Prepared for
Illinois Power Generating Company

Date
January 31, 2024

Project No.
1940103649-003

2023 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

LANDFILL
COFFEEN POWER PLANT
COFFEEN, ILLINOIS
CCR UNIT 105

RAMBOLL Bright ideas. Sustainable change.

2023 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT COFFEEN POWER PLANT LANDFILL

Project name	**Coffeen Power Plant Landfill**
Project no.	**1940103649-003**
Recipient	**Illinois Power Generating Company**
Document type	**Annual Groundwater Monitoring and Corrective Action Report**
Version	**FINAL**
Date	**January 31, 2024**
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Description	**Annual Report required by 40 C.F.R. § 257.90(e)**

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ACRONYMS AND ABBREVIATIONS

40 C.F.R.	Title 40 of the Code of Federal Regulations
ASD	Alternative Source Demonstration
CCR	coal combustion residuals
CPP	Coffeen Power Plant
D11	Quarter 3, 2022 Detection Monitoring sampling event
D12	Quarter 1, 2023 Detection Monitoring sampling event
D12R	Quarter 2, 2023 Detection Monitoring sampling event
D13	Quarter 3, 2023 Detection Monitoring sampling event
D13R	Quarter 4, 2023 Detection Monitoring sampling event
GWPS	groundwater protection standard
IPGC	Illinois Power Generating Company
Ramboll	Ramboll Americas Engineering Solutions, Inc.
SAP	Sampling and Analysis Plan
SSI	statistically significant increase
TBD	to be determined

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 the Landfill located at the Coffeen Power Plant (CPP) near Coffeen, Illinois.

Groundwater is being monitored at the Landfill in accordance with the Detection Monitoring Program requirements specified in 40 C.F.R. § 257.94.

No changes were made to the monitoring system in 2023 (no wells were installed or decommissioned).

The following statistically significant increases (SSIs) of 40 C.F.R. § 257 Appendix III parameter concentrations greater than background concentrations were determined in 2023:

- Chloride at well G120
- pH at well G106

Alternative Source Demonstrations (ASDs) were completed for the SSIs referenced above and the Landfill remains in the Detection Monitoring Program.

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 the Landfill 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 3**).
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 [GWPS] 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 the Landfill for calendar year 2023.

2. MONITORING AND CORRECTIVE ACTION PROGRAM STATUS

No changes have occurred to the monitoring program status in calendar year 2023 and the Landfill remains in the Detection Monitoring Program in accordance with 40 C.F.R. § 257.94.

3. KEY ACTIONS COMPLETED IN 2023

A summary of the samples collected from background and compliance monitoring wells in 2023 under the Detection 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**. A groundwater monitoring plan (GMP) was developed for the Landfill in 2023; no changes were made to the monitoring system (Ramboll, 2023a).

One groundwater sample was collected from each background and compliance well during each monitoring event.[1] All samples were collected and analyzed in accordance with the Multi-Site Sampling and Analysis Plan (SAP) (Ramboll, 2023b).

Potentiometric surfaces for both monitoring events in 2023 are included in **Figures 2 and 3**. All monitoring data and analytical results obtained under 40 C.F.R. §§ 257.90 through 257.98 in 2023 are presented in **Tables 1 and 2**. 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, 2022a), the Multi-Site Quality Assurance Project Plan (Ramboll, 2022b), and the Multi-Site Data Management Plan (Ramboll, 2022c) to determine any SSIs of Appendix III parameters relative to background concentrations. SSIs are summarized in **Table A** and highlighted in **Table 2.** Statistical background values are provided in **Table 3**. A flow chart showing the statistical methodology for determination of background values is included as **Appendix B**. Analytical data received after December 31, 2023 will be reported in the 2024 Annual Groundwater Monitoring and Corrective Action Report.

Potential alternative sources were evaluated as outlined in the 40 C.F.R. § 257.94(e)(2). An ASD was completed in 2023 for the SSIs summarized in **Table A**. The date the ASD was completed is also provided in **Table A**. The ASD was certified by a qualified professional engineer and is included in **Appendix C**. The Landfill remains in the Detection Monitoring Program.

[1] Background monitoring wells G200 and R201 were indicated as having insufficient water to sample during August 2023 2023 and no groundwater samples were collected.

Table A. 2023 Detection Monitoring Program Summary

Event ID	Sampling Dates [1, 2, 3]	Analytical Data Receipt Date [4]	SSI(s) Determination Date	SSI(s)	ASD Completion Date
D11 [5]	August 23-24, 2022	October 13, 2022	January 11, 2023	Chloride (G120, G125) pH (G106)	April 11, 2023
D12	February 14-16, 2023	June 22, 2023	September 20, 2023	Chloride (G120) pH (G106)	December 19, 2023
D12R	May 31 and June 7, 2023	July 24, 2023	NA	NA	NA
D13 [6]	August 9-10, 2023	November 21, 2023	February 19, 2024	TBD	TBD
D13R [7]	November 14-15, 2023	TBD	NA	NA	NA

Notes:

ASD: Alternative Source Demonstration

NA: not applicable

SSL: Statistically Significant Level

TBD: to be determined in 2024

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

[2] The following background wells were sampled for each event: G102, G200, and R201

[3] The following compliance wells were sampled for each event: G106, G110, G120, G125, and T127

[4] Analytical data received after December 31, 2023 will be reported in the 2024 Annual Groundwater Monitoring and Corrective Action Report.

[5] Laboratory reports and associated analytical data tables were included in the 2022 Annual Groundwater Monitoring and Corrective Action Report.

[6] Groundwater samples were not collected from compliance monitoring wells G200 and R201 during the August 2023 sampling event.

[7] Groundwater samples were only collected from background monitoring wells G102, G200, and R201 during the November 2023 sampling event.

4. PROBLEMS ENCOUNTERED AND ACTIONS TO RESOLVE THE PROBLEMS

No problems were encountered with the groundwater monitoring program during 2023. Groundwater samples were collected and analyzed in accordance with the SAP and all data were accepted.

5. KEY ACTIVITIES PLANNED FOR 2024

The following key activities are planned for 2024:

- Continuation of the Detection Monitoring Program with semiannual sampling scheduled for the first and third quarters of 2024.
- Complete evaluation of analytical data from the compliance wells using updated background data to determine whether an SSI of Appendix III parameters detected at concentrations greater than background concentrations has occurred.
- If an SSI is identified, potential alternate sources (*i.e.,* a source other than the CCR unit caused the SSI or that the SSI resulted from error in sampling, analysis, statistical evaluation, or natural variation in groundwater quality) will be evaluated.
  - If an alternate source is identified to be the cause of the SSI, a written demonstration will be completed within 90 days of SSI determination and included in the 2024 Annual Groundwater Monitoring and Corrective Action Report.
  - If an alternate source(s) is not identified to be the cause of the SSI, the applicable requirements of 40 C.F.R. §§ 257.94 through 257.98 as may apply in 2024 (*e.g.,* assessment monitoring) will be met, including associated recordkeeping/notifications required by 40 C.F.R. §§ 257.105 through 257.108.

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. Multi-Site Statistical Analysis Plan, 40 C.F.R. § 257. December 28, 2022.

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

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

Ramboll Americas Engineering Solutions, Inc. (Ramboll), 2023a. 40 C.F.R. § 257 Groundwater Monitoring Plan, Landfill, Coffeen Power Plant, Coffeen, Illinois. December 18, 2023.

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

TABLES

TABLE 1
GROUNDWATER ELEVATION DATA
2023 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
COFFEEN POWER PLANT
LANDFILL
COFFEEN, IL

Well ID	Well Type	Monitored Unit	Date	Depth to Groundwater (feet BMP)	Groundwater Elevation (feet NAVD88)
G102	Background	UA	02/13/2023	4.80	624.24
G102	Background	UA	08/08/2023	10.34	618.70
G102	Background	UA	10/24/2023	12.60	616.44
G102	Background	UA	11/13/2023	12.84	616.20
G102	Background	UA	12/18/2023	12.82	616.22
G106	Compliance	UA	02/13/2023	8.44	622.71
G106	Compliance	UA	03/30/2023	7.82	623.32
G106	Compliance	UA	04/30/2023	9.16	621.98
G106	Compliance	UA	05/30/2023	9.81	621.33
G106	Compliance	UA	06/08/2023	10.39	620.76
G106	Compliance	UA	07/08/2023	10.50	620.65
G106	Compliance	UA	08/08/2023	12.17	618.98
G106	Compliance	UA	09/25/2023	12.97	618.18
G106	Compliance	UA	10/25/2023	14.01	617.14
G106	Compliance	UA	11/13/2023	14.21	616.94
G106	Compliance	UA	12/18/2023	13.87	617.28
G110	Compliance	UA	02/13/2023	10.80	618.85
G110	Compliance	UA	05/30/2023	12.70	616.95
G110	Compliance	UA	08/08/2023	14.16	615.49
G110	Compliance	UA	10/25/2023	15.31	614.34
G110	Compliance	UA	11/13/2023	15.43	614.22
G120	Compliance	UA	02/13/2023	14.43	617.44
G120	Compliance	UA	05/30/2023	14.86	617.01
G120	Compliance	UA	08/08/2023	16.31	615.56
G120	Compliance	UA	10/25/2023	17.18	614.69
G120	Compliance	UA	11/13/2023	17.08	614.79
G125	Compliance	UA	02/13/2023	11.99	621.52
G125	Compliance	UA	05/30/2023	13.54	619.97
G125	Compliance	UA	08/08/2023	18.53	614.98
G125	Compliance	UA	10/25/2023	21.21	612.30
G125	Compliance	UA	11/13/2023	Dry	Dry
G200	Background	UA	02/13/2023	2.91	623.03
G200	Background	UA	03/30/2023	3.01	622.92
G200	Background	UA	04/30/2023	4.51	621.42
G200	Background	UA	05/30/2023	5.89	620.04
G200	Background	UA	06/08/2023	6.44	619.49
G200	Background	UA	08/08/2023	9.21	616.73
G200	Background	UA	09/25/2023	10.61	615.33
G200	Background	UA	10/25/2023	11.51	614.43
G200	Background	UA	11/13/2023	11.88	614.06
G200	Background	UA	12/18/2023	11.48	614.46
R201	Background	UA	02/14/2023	2.80	623.54
R201	Background	UA	03/30/2023	2.56	623.77
R201	Background	UA	04/30/2023	3.95	622.38
R201	Background	UA	05/30/2023	5.31	621.02
R201	Background	UA	06/08/2023	6.13	620.21

TABLE 1
GROUNDWATER ELEVATION DATA
2023 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
COFFEEN POWER PLANT
LANDFILL
COFFEEN, IL

Well ID	Well Type	Monitored Unit	Date	Depth to Groundwater (feet BMP)	Groundwater Elevation (feet NAVD88)
R201	Background	UA	07/08/2023	6.75	619.59
R201	Background	UA	08/08/2023	11.61	614.73
R201	Background	UA	09/25/2023	10.12	616.22
R201	Background	UA	10/24/2023	11.20	615.14
R201	Background	UA	11/13/2023	11.73	614.61
R201	Background	UA	12/18/2023	11.37	614.97
T127	Compliance	UA	02/13/2023	14.15	616.81
T127	Compliance	UA	05/30/2023	14.56	616.40
T127	Compliance	UA	08/08/2023	15.20	615.76
T127	Compliance	UA	10/25/2023	15.99	614.97
T127	Compliance	UA	11/13/2023	15.95	615.01

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

UA = uppermost aquifer

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TABLE 2
ANALYTICAL RESULTS - APPENDIX III PARAMETERS
2023 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
COFFEEN POWER PLANT
LANDFILL
COFFEEN, IL

Well ID	HSU	Well Type	Date	Event ID	Parameter	Unit	Result	Background	SSI Type
G102	UA	Background	02/14/2023	D12	Boron, total	mg/L	0.0071 U	NA	NA
G102	UA	Background	08/09/2023	D13	Boron, total	mg/L	0.02 UJ	NA	NA
G102	UA	Background	11/14/2023	D13R	Boron, total	mg/L	0.012 J	NA	NA
G102	UA	Background	02/14/2023	D12	Calcium, total	mg/L	53.0	NA	NA
G102	UA	Background	08/09/2023	D13	Calcium, total	mg/L	76.1	NA	NA
G102	UA	Background	11/14/2023	D13R	Calcium, total	mg/L	80.7	NA	NA
G102	UA	Background	02/14/2023	D12	Chloride, total	mg/L	4.90	NA	NA
G102	UA	Background	08/09/2023	D13	Chloride, total	mg/L	31.0	NA	NA
G102	UA	Background	11/14/2023	D13R	Chloride, total	mg/L	33.0	NA	NA
G102	UA	Background	02/14/2023	D12	Fluoride, total	mg/L	0.266	NA	NA
G102	UA	Background	08/09/2023	D13	Fluoride, total	mg/L	0.310 J+	NA	NA
G102	UA	Background	11/14/2023	D13R	Fluoride, total	mg/L	0.320	NA	NA
G102	UA	Background	02/14/2023	D12	pH (field)	SU	7.0	NA	NA
G102	UA	Background	08/09/2023	D13	pH (field)	SU	7.2	NA	NA
G102	UA	Background	11/14/2023	D13R	pH (field)	SU	7.3	NA	NA
G102	UA	Background	02/14/2023	D12	Sulfate, total	mg/L	33.0	NA	NA
G102	UA	Background	08/09/2023	D13	Sulfate, total	mg/L	126	NA	NA
G102	UA	Background	11/14/2023	D13R	Sulfate, total	mg/L	136	NA	NA
G102	UA	Background	02/14/2023	D12	Total Dissolved Solids	mg/L	400	NA	NA
G102	UA	Background	08/09/2023	D13	Total Dissolved Solids	mg/L	538	NA	NA
G102	UA	Background	11/14/2023	D13R	Total Dissolved Solids	mg/L	560	NA	NA
G200	UA	Background	02/16/2023	D12	Boron, total	mg/L	0.0290	NA	NA
G200	UA	Background	11/14/2023	D13R	Boron, total	mg/L	0.01 J	NA	NA
G200	UA	Background	02/16/2023	D12	Calcium, total	mg/L	120	NA	NA
G200	UA	Background	11/14/2023	D13R	Calcium, total	mg/L	80.3	NA	NA
G200	UA	Background	02/16/2023	D12	Chloride, total	mg/L	50.0	NA	NA
G200	UA	Background	11/14/2023	D13R	Chloride, total	mg/L	43.0	NA	NA
G200	UA	Background	02/16/2023	D12	Fluoride, total	mg/L	0.04 U	NA	NA
G200	UA	Background	11/14/2023	D13R	Fluoride, total	mg/L	0.380	NA	NA
G200	UA	Background	02/16/2023	D12	pH (field)	SU	6.7	NA	NA
G200	UA	Background	11/14/2023	D13R	pH (field)	SU	7.2	NA	NA
G200	UA	Background	02/16/2023	D12	Sulfate, total	mg/L	100	NA	NA
G200	UA	Background	11/14/2023	D13R	Sulfate, total	mg/L	106	NA	NA
G200	UA	Background	02/16/2023	D12	Total Dissolved Solids	mg/L	440	NA	NA
G200	UA	Background	11/14/2023	D13R	Total Dissolved Solids	mg/L	455	NA	NA
R201	UA	Background	02/16/2023	D12	Boron, total	mg/L	0.0190	NA	NA
R201	UA	Background	11/14/2023	D13R	Boron, total	mg/L	0.0092 U	NA	NA
R201	UA	Background	02/16/2023	D12	Calcium, total	mg/L	97.0	NA	NA
R201	UA	Background	11/14/2023	D13R	Calcium, total	mg/L	103	NA	NA
R201	UA	Background	02/16/2023	D12	Chloride, total	mg/L	51.0	NA	NA
R201	UA	Background	11/14/2023	D13R	Chloride, total	mg/L	60.0 J	NA	NA
R201	UA	Background	02/16/2023	D12	Fluoride, total	mg/L	0.359	NA	NA
R201	UA	Background	11/14/2023	D13R	Fluoride, total	mg/L	0.410	NA	NA
R201	UA	Background	02/16/2023	D12	pH (field)	SU	7.1	NA	NA
R201	UA	Background	11/14/2023	D13R	pH (field)	SU	7.0	NA	NA
R201	UA	Background	02/16/2023	D12	Sulfate, total	mg/L	160	NA	NA

TABLE 2
ANALYTICAL RESULTS - APPENDIX III PARAMETERS
2023 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
COFFEEN POWER PLANT
LANDFILL
COFFEEN, IL

Well ID	HSU	Well Type	Date	Event ID	Parameter	Unit	Result	Background	SSI Type
R201	UA	Background	11/14/2023	D13R	Sulfate, total	mg/L	167 J	NA	NA
R201	UA	Background	02/16/2023	D12	Total Dissolved Solids	mg/L	750	NA	NA
R201	UA	Background	11/14/2023	D13R	Total Dissolved Solids	mg/L	705	NA	NA
G106	UA	Compliance	02/14/2023	D12	Boron, total	mg/L	0.0420	0.340	No Exceedance
G106	UA	Compliance	08/10/2023	D13	Boron, total	mg/L	0.0308 J+	0.340	TBD
G106	UA	Compliance	02/14/2023	D12	Calcium, total	mg/L	100	135	No Exceedance
G106	UA	Compliance	08/10/2023	D13	Calcium, total	mg/L	93.5	135	TBD
G106	UA	Compliance	02/14/2023	D12	Chloride, total	mg/L	69.0	96.0	No Exceedance
G106	UA	Compliance	08/10/2023	D13	Chloride, total	mg/L	56.0	96.0	TBD
G106	UA	Compliance	02/14/2023	D12	Fluoride, total	mg/L	0.327	0.504	No Exceedance
G106	UA	Compliance	08/10/2023	D13	Fluoride, total	mg/L	0.440 J+	0.504	TBD
G106	UA	Compliance	02/14/2023	D12	pH (field)	SU	6.7	6.9/7.5	Confirmed
G106	UA	Compliance	06/07/2023	D12R	pH (field)	SU	6.8	6.9/7.5	Confirmed
G106	UA	Compliance	08/10/2023	D13	pH (field)	SU	6.9	6.9/7.5	TBD
G106	UA	Compliance	02/14/2023	D12	Sulfate, total	mg/L	140	303	No Exceedance
G106	UA	Compliance	08/10/2023	D13	Sulfate, total	mg/L	123	303	TBD
G106	UA	Compliance	02/14/2023	D12	Total Dissolved Solids	mg/L	620	859	No Exceedance
G106	UA	Compliance	08/10/2023	D13	Total Dissolved Solids	mg/L	608	859	TBD
G110	UA	Compliance	02/15/2023	D12	Boron, total	mg/L	0.0076 J	0.340	No Exceedance
G110	UA	Compliance	08/09/2023	D13	Boron, total	mg/L	0.02 UJ	0.340	TBD
G110	UA	Compliance	02/15/2023	D12	Calcium, total	mg/L	95.0	135	No Exceedance
G110	UA	Compliance	08/09/2023	D13	Calcium, total	mg/L	94.8	135	TBD
G110	UA	Compliance	02/15/2023	D12	Chloride, total	mg/L	49.0	96.0	No Exceedance
G110	UA	Compliance	08/09/2023	D13	Chloride, total	mg/L	58.0	96.0	TBD
G110	UA	Compliance	02/15/2023	D12	Fluoride, total	mg/L	0.315	0.504	No Exceedance
G110	UA	Compliance	08/09/2023	D13	Fluoride, total	mg/L	0.390 J+	0.504	TBD
G110	UA	Compliance	02/15/2023	D12	pH (field)	SU	6.8	6.9/7.5	Exceedance Not Confirmed
G110	UA	Compliance	05/31/2023	D12R	pH (field)	SU	6.9	6.9/7.5	No Exceedance
G110	UA	Compliance	08/09/2023	D13	pH (field)	SU	6.7	6.9/7.5	TBD
G110	UA	Compliance	02/15/2023	D12	Sulfate, total	mg/L	90.0	303	No Exceedance
G110	UA	Compliance	08/09/2023	D13	Sulfate, total	mg/L	94.0	303	TBD
G110	UA	Compliance	02/15/2023	D12	Total Dissolved Solids	mg/L	640	859	No Exceedance
G110	UA	Compliance	08/09/2023	D13	Total Dissolved Solids	mg/L	582	859	TBD
G120	UA	Compliance	02/15/2023	D12	Boron, total	mg/L	0.0073 J	0.340	No Exceedance
G120	UA	Compliance	08/09/2023	D13	Boron, total	mg/L	0.0092 U	0.340	TBD
G120	UA	Compliance	02/15/2023	D12	Calcium, total	mg/L	91.0	135	No Exceedance
G120	UA	Compliance	08/09/2023	D13	Calcium, total	mg/L	83.6	135	TBD
G120	UA	Compliance	02/15/2023	D12	Chloride, total	mg/L	110	96.0	Determined
G120	UA	Compliance	08/09/2023	D13	Chloride, total	mg/L	101	96.0	TBD
G120	UA	Compliance	02/15/2023	D12	Fluoride, total	mg/L	0.356	0.504	No Exceedance
G120	UA	Compliance	08/09/2023	D13	Fluoride, total	mg/L	0.380 J+	0.504	TBD
G120	UA	Compliance	02/15/2023	D12	pH (field)	SU	7.2	6.9/7.5	No Exceedance
G120	UA	Compliance	08/09/2023	D13	pH (field)	SU	7.0	6.9/7.5	TBD
G120	UA	Compliance	02/15/2023	D12	Sulfate, total	mg/L	33.0	303	No Exceedance
G120	UA	Compliance	08/09/2023	D13	Sulfate, total	mg/L	28.0 J+	303	TBD
G120	UA	Compliance	02/15/2023	D12	Total Dissolved Solids	mg/L	610	859	No Exceedance

TABLE 2
ANALYTICAL RESULTS - APPENDIX III PARAMETERS
2023 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
COFFEEN POWER PLANT
LANDFILL
COFFEEN, IL

Well ID	HSU	Well Type	Date	Event ID	Parameter	Unit	Result	Background	SSI Type
G120	UA	Compliance	08/09/2023	D13	Total Dissolved Solids	mg/L	530	859	TBD
G125	UA	Compliance	02/15/2023	D12	Boron, total	mg/L	0.0071 U	0.340	No Exceedance
G125	UA	Compliance	08/09/2023	D13	Boron, total	mg/L	0.0092 U	0.340	TBD
G125	UA	Compliance	02/15/2023	D12	Calcium, total	mg/L	77.0	135	No Exceedance
G125	UA	Compliance	08/09/2023	D13	Calcium, total	mg/L	67.6	135	TBD
G125	UA	Compliance	02/15/2023	D12	Chloride, total	mg/L	79.0	96.0	No Exceedance
G125	UA	Compliance	08/09/2023	D13	Chloride, total	mg/L	82.0	96.0	TBD
G125	UA	Compliance	02/15/2023	D12	Fluoride, total	mg/L	0.333	0.504	No Exceedance
G125	UA	Compliance	08/09/2023	D13	Fluoride, total	mg/L	0.470 J+	0.504	TBD
G125	UA	Compliance	02/15/2023	D12	pH (field)	SU	7.2	6.9/7.5	No Exceedance
G125	UA	Compliance	08/09/2023	D13	pH (field)	SU	7.2	6.9/7.5	TBD
G125	UA	Compliance	02/15/2023	D12	Sulfate, total	mg/L	74.0	303	No Exceedance
G125	UA	Compliance	08/09/2023	D13	Sulfate, total	mg/L	103 J-	303	TBD
G125	UA	Compliance	02/15/2023	D12	Total Dissolved Solids	mg/L	640	859	No Exceedance
G125	UA	Compliance	08/09/2023	D13	Total Dissolved Solids	mg/L	556	859	TBD
T127	UA	Compliance	02/15/2023	D12	Boron, total	mg/L	0.0210	0.340	No Exceedance
T127	UA	Compliance	08/09/2023	D13	Boron, total	mg/L	0.02 UJ	0.340	TBD
T127	UA	Compliance	02/15/2023	D12	Calcium, total	mg/L	74.0	135	No Exceedance
T127	UA	Compliance	08/09/2023	D13	Calcium, total	mg/L	76.8	135	TBD
T127	UA	Compliance	02/15/2023	D12	Chloride, total	mg/L	32.0	96.0	No Exceedance
T127	UA	Compliance	08/09/2023	D13	Chloride, total	mg/L	45.0	96.0	TBD
T127	UA	Compliance	02/15/2023	D12	Fluoride, total	mg/L	0.467	0.504	No Exceedance
T127	UA	Compliance	08/09/2023	D13	Fluoride, total	mg/L	0.480 J+	0.504	TBD
T127	UA	Compliance	02/15/2023	D12	pH (field)	SU	7.2	6.9/7.5	No Exceedance
T127	UA	Compliance	08/09/2023	D13	pH (field)	SU	7.0	6.9/7.5	TBD
T127	UA	Compliance	02/15/2023	D12	Sulfate, total	mg/L	78.0	303	No Exceedance
T127	UA	Compliance	08/09/2023	D13	Sulfate, total	mg/L	87.0 J-	303	TBD
T127	UA	Compliance	02/15/2023	D12	Total Dissolved Solids	mg/L	440 J	859	No Exceedance
T127	UA	Compliance	08/09/2023	D13	Total Dissolved Solids	mg/L	500	859	TBD

Notes:
HSU = hydrostratigraphic unit:

UA = Uppermost Aquifer

ID = identification
mg/L = milligrams per liter
NA = not applicable
R = resample
Statistically Significant Increase (SSI) Type:

TBD: To be determined in 2024.

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.

Determined: An exceedance was determined without comparison to a resample.

Confirmed: An exceedance was determined with comparison to a resample. If a determined exceedance is confirmed by resample, both the sample and resample are noted as confirmed.

SU = Standard Units
J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J- = The result is an estimated quantity, but the result may be biased low.
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.

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TABLE 3
STATISTICAL BACKGROUND VALUES
2023 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
COFFEEN POWER PLANT
LANDFILL
COFFEEN, IL

Parameter	Date Range	Sample Count	Percent Non-Detects	Statistical Calculation	Statistical Background Value (LPL/UPL)
Boron (mg/L)	11/16/2015 - 02/09/2022	67	42	Non-Parametric UPL	0.340
Calcium (mg/L)	11/16/2015 - 02/09/2022	66	0	Parametric UPL	135
Chloride (mg/L)	11/16/2015 - 02/09/2022	70	0	Non-Parametric UPL	96.0
Fluoride (mg/L)	11/16/2015 - 02/09/2022	70	7	Non-Parametric UPL	0.504
pH (field) (SU)	11/16/2015 - 02/09/2022	70	0	Non-Parametric LPL/UPL	6.9/7.5
Sulfate (mg/L)	11/16/2015 - 02/09/2022	67	0	Parametric UPL (log-transformed)	303
Total Dissolved Solids (mg/L)	11/16/2015 - 02/09/2022	67	0	Parametric UPL	859

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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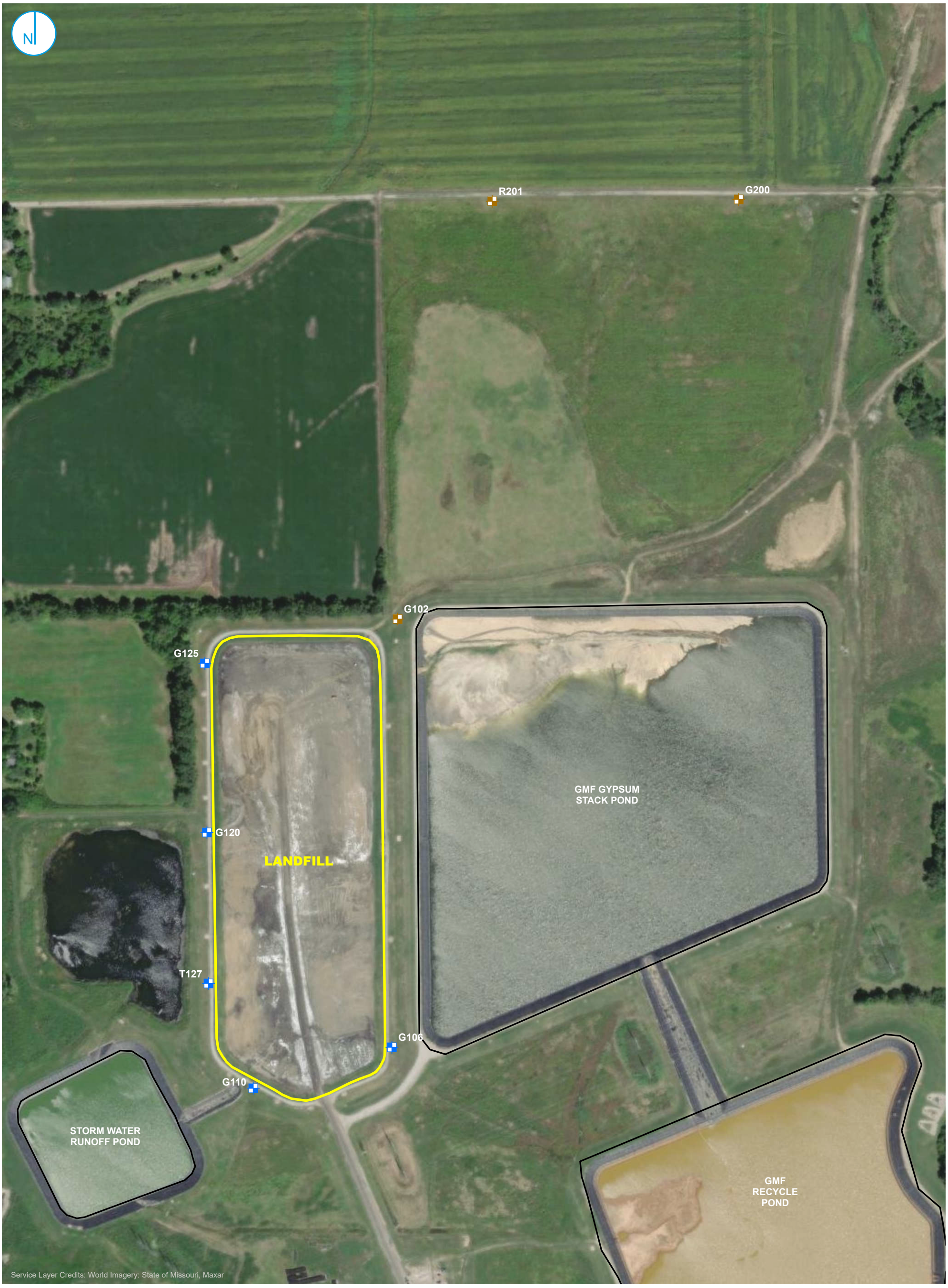
FIGURES



COMPLIANCE MONITORING WELL
BACKGROUND MONITORING WELL
REGULATED UNIT (SUBJECT UNIT)
SITE FEATURE
PROPERTY BOUNDARY

0 150 300 Feet

MONITORING WELL LOCATION MAP

2023 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT LANDFILL

COFFEEN POWER PLANT
COFFEEN, ILLINOIS

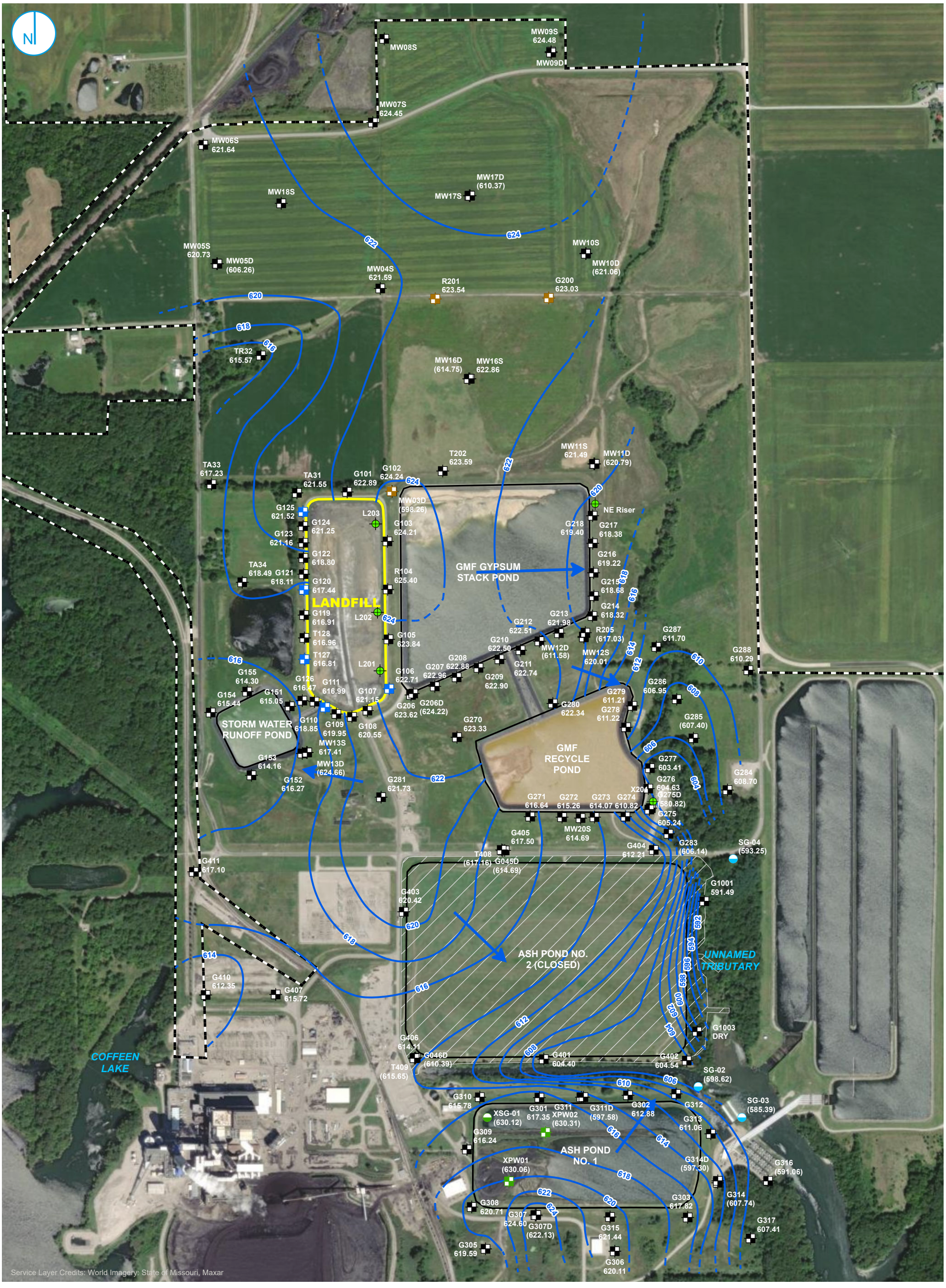
FIGURE 1

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.

RAMBOLL

PROJECT: 169000XXXX | DATED: 12/11/2023 | DESIGNER: egreaves

Y:\Mapping\Projects\22\2285\MXD\GW_Contours\Round_2023\Coffeen\LF_105\2023_LF_105.aprx



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

- 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 FEBRUARY 13 AND 14, 2023

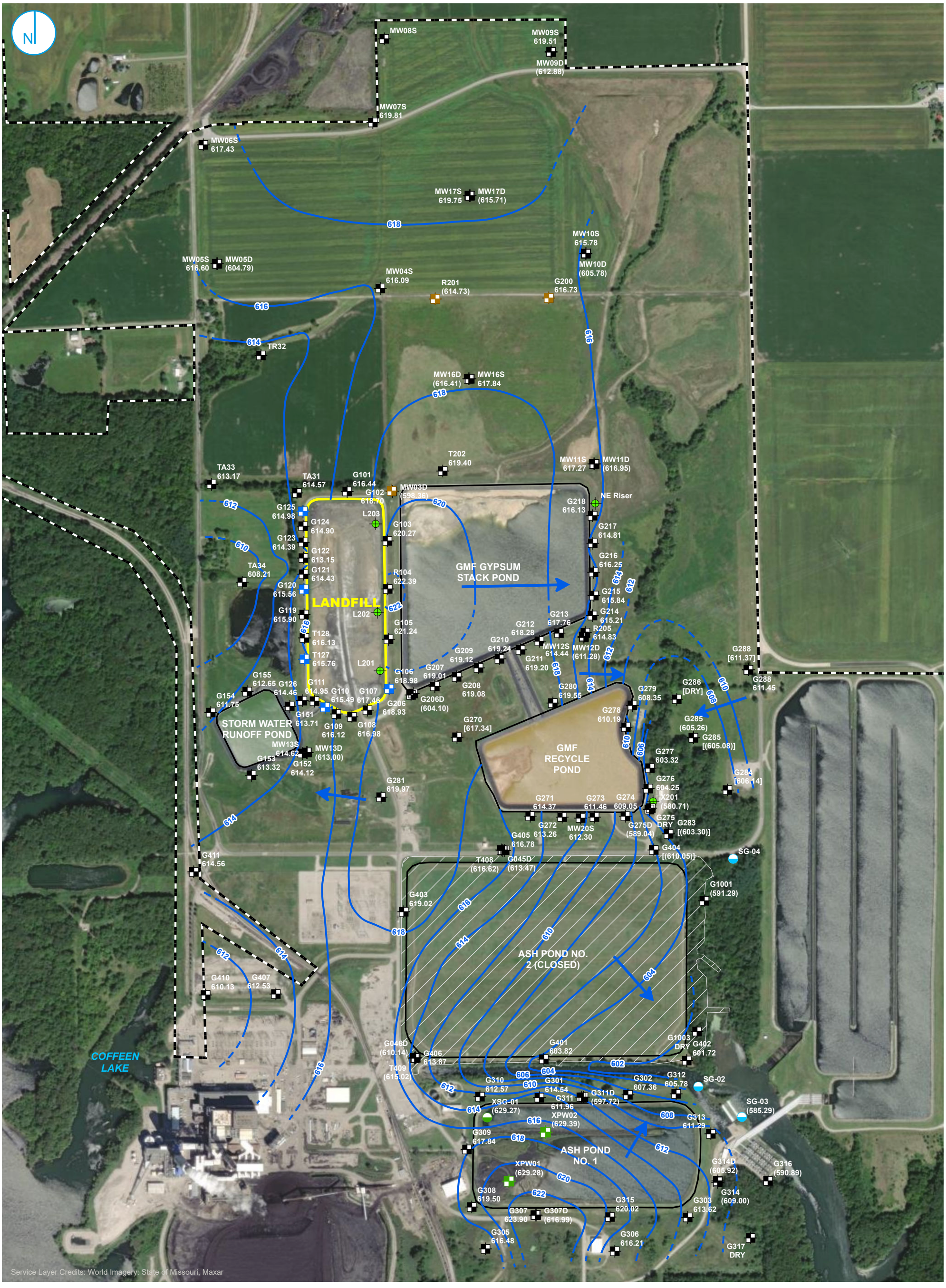
2023 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT LANDFILL

COFFEEN POWER PLANT
COFFEEN, ILLINOIS

FIGURE 2

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.

RAMBOLL



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

- 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. 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 AUGUST 8, 2023

2023 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT LANDFILL

COFFEEN POWER PLANT
COFFEEN, ILLINOIS

FIGURE 3

RAMBOLL AMERICAS ENGINEERING SOLUTIONS, INC.

RAMBOLL

APPENDICES

APPENDIX A
LABORATORY REPORTS AND FIELD DATA SHEETS

Pace Analytical Services, LLC
2231 W. Altorfer Drive
Peoria, IL 61615
(800)752-6651

June 22, 2023

John Romang
Vistra - Coffeen
134 CIPS Lane
Coffeen, IL 62017

Dear John Romang:

Please find enclosed the **revised** analytical results for the sample(s) the laboratory received. All testing is performed according to our current TNI accreditations unless otherwise noted. This report cannot be reproduced, except in full, without the written permission of Pace Analytical Services, LLC.

If you have any questions regarding your report, please contact your project manager. Quality and timely data is of the utmost importance to us.

Pace Analytical Services appreciates the opportunity to provide you with analytical expertise. We are always trying to improve our customer service and we welcome you to contact the General Manager, Lisa Grant, with any feedback you have about your experience with our laboratory at 309-683-1764 or lisa.grant@pacelabs.com.

Gail J Schindler

Gail Schindler
Project Manager
(309) 692-9688 x1716
gail.schindler@pacelabs.com

Pace Analytical Services, LLC
2231 W. Altorfer Drive
Peoria, IL 61615
(800)752-6651

SAMPLE RECEIPT CHECK LIST

Items not applicable will be marked as in compliance

Work Order GB02992

YES	Samples received within temperature compliance when applicable
YES	COC present upon sample receipt
YES	COC completed & legible
YES	Sampler name & signature present
YES	Unique sample IDs assigned
YES	Sample collection location recorded
YES	Date & time collected recorded on COC
YES	Relinquished by client signature on COC
YES	COC & labels match
YES	Sample labels are legible
YES	Appropriate bottle(s) received
YES	Sufficient sample volume received
YES	Sample containers received undamaged
NO	Zero headspace, <6 mm present in VOA vials
NO	Trip blank(s) received
YES	All non-field analyses received within holding times
YES	Short hold time analysis
YES	Current PDC COC submitted
NO	Case narrative provided

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Peoria, IL 61615
(800)752-6651

Work Order GB03263

YES	Samples received within temperature compliance when applicable
YES	COC present upon sample receipt
YES	COC completed & legible
YES	Sampler name & signature present
YES	Unique sample IDs assigned
YES	Sample collection location recorded
YES	Date & time collected recorded on COC
YES	Relinquished by client signature on COC
YES	COC & labels match
YES	Sample labels are legible
YES	Appropriate bottle(s) received
YES	Sufficient sample volume received
YES	Sample containers received undamaged
NO	Zero headspace, <6 mm present in VOA vials
NO	Trip blank(s) received
YES	All non-field analyses received within holding times
YES	Short hold time analysis
YES	Current PDC COC submitted
NO	Case narrative provided

Pace Analytical Services, LLC
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Peoria, IL 61615
(800)752-6651

Work Order GB03332

YES	Samples received within temperature compliance when applicable
YES	COC present upon sample receipt
YES	COC completed & legible
YES	Sampler name & signature present
YES	Unique sample IDs assigned
YES	Sample collection location recorded
YES	Date & time collected recorded on COC
YES	Relinquished by client signature on COC
YES	COC & labels match
YES	Sample labels are legible
YES	Appropriate bottle(s) received
YES	Sufficient sample volume received
YES	Sample containers received undamaged
NO	Zero headspace, <6 mm present in VOA vials
NO	Trip blank(s) received
YES	All non-field analyses received within holding times
NO	Short hold time analysis
YES	Current PDC COC submitted
YES	Case narrative provided

Pace Analytical Services, LLC
2231 W. Altorfer Drive
Peoria, IL 61615
(800)752-6651

Case Narrative

Revised Report - removed case narrative comments.

Pace Analytical Services, LLC
2231 W. Altorfer Drive
Peoria, IL 61615
(800)752-6651

ANALYTICAL RESULTS

Sample: GB02992-01
Name: G102
Matrix: Ground Water - Grab

Sampled: 02/14/23 15:50
Received: 02/15/23 16:00
PO #: 1164124

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	4.9	mg/L		02/20/23 21:23	1	1.0	02/20/23 21:23	CRD	EPA 300.0 REV 2.1
Fluoride	0.266	mg/L		02/20/23 21:23	1	0.250	02/20/23 21:23	CRD	EPA 300.0 REV 2.1
Sulfate	33	mg/L		02/20/23 21:41	25	25	02/20/23 21:41	CRD	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	4.62	Feet		02/14/23 00:00	1		02/14/23 00:00	FIELD	Field*
Dissolved oxygen, Field	1.9	mg/L		02/14/23 00:00	1		02/14/23 00:00	FIELD	Field*
Oxidation Reduction Potential	187	mV		02/14/23 00:00	1	-500	02/14/23 00:00	FIELD	Field*
pH, Field Measured	7.00	pH Units		02/14/23 00:00	1		02/14/23 00:00	FIELD	Field*
Specific Conductance, Field Measured	536.0	umhos/cm		02/14/23 00:00	1		02/14/23 00:00	FIELD	Field*
Temperature, Field Measured	11.7	°C		02/14/23 00:00	1		02/14/23 00:00	FIELD	Field*
Turbidity, Field Measured	< 0.00	NTU		02/14/23 00:00	1	0.00	02/14/23 00:00	FIELD	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO3	250	mg/L		02/22/23 10:11	1	10	02/22/23 10:11	CPS	SM 2320B 1997*
Alkalinity - carbonate as CaCO3	< 10	mg/L		02/22/23 10:11	1	10	02/22/23 10:11	CPS	SM 2320B 1997*
Soluble General Chemistry - PIA									
Solids - total dissolved solids (TDS)	400	mg/L		02/17/23 10:41	1	26	02/17/23 12:21	CPS	SM 2540C
Total Metals - PIA									
Boron	< 10	ug/L		02/20/23 09:25	5	10	02/23/23 09:29	JMW	EPA 6020A
Calcium	53	mg/L		02/20/23 09:25	5	0.20	02/23/23 09:29	JMW	EPA 6020A
Magnesium	22	mg/L		02/20/23 09:25	5	0.10	02/23/23 09:29	JMW	EPA 6020A
Potassium	0.24	mg/L		02/20/23 09:25	5	0.10	02/23/23 09:29	JMW	EPA 6020A
Sodium	40	mg/L		02/20/23 09:25	5	0.10	02/23/23 09:29	JMW	EPA 6020A

Pace Analytical Services, LLC
2231 W. Altorfer Drive
Peoria, IL 61615
(800)752-6651

ANALYTICAL RESULTS

Sample: GB02992-04
Name: G106
Matrix: Ground Water - Grab

Sampled: 02/14/23 12:21
Received: 02/15/23 16:00
PO #: 1164124

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	69	mg/L		02/21/23 00:06	25	25	02/21/23 00:06	CRD	EPA 300.0 REV 2.1
Fluoride	0.327	mg/L		02/20/23 23:48	1	0.250	02/20/23 23:48	CRD	EPA 300.0 REV 2.1
Sulfate	140	mg/L		02/21/23 00:06	25	25	02/21/23 00:06	CRD	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	8.36	Feet		02/14/23 00:00	1		02/14/23 00:00	FIELD	Field*
Dissolved oxygen, Field	2.5	mg/L		02/14/23 00:00	1		02/14/23 00:00	FIELD	Field*
Oxidation Reduction Potential	211	mV		02/14/23 00:00	1	-500	02/14/23 00:00	FIELD	Field*
pH, Field Measured	6.67	pH Units		02/14/23 00:00	1		02/14/23 00:00	FIELD	Field*
Specific Conductance, Field Measured	1070	umhos/cm		02/14/23 00:00	1		02/14/23 00:00	FIELD	Field*
Temperature, Field Measured	11.4	°C		02/14/23 00:00	1		02/14/23 00:00	FIELD	Field*
Turbidity, Field Measured	< 0.00	NTU		02/14/23 00:00	1	0.00	02/14/23 00:00	FIELD	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO3	320	mg/L		02/22/23 10:11	1	10	02/22/23 10:11	CPS	SM 2320B 1997*
Alkalinity - carbonate as CaCO3	< 10	mg/L		02/22/23 10:11	1	10	02/22/23 10:11	CPS	SM 2320B 1997*
Soluble General Chemistry - PIA									
Solids - total dissolved solids (TDS)	620	mg/L		02/16/23 14:53	1	26	02/16/23 15:53	HRF	SM 2540C
Total Metals - PIA									
Boron	42	ug/L		02/20/23 09:25	5	10	02/23/23 10:05	JMW	EPA 6020A
Calcium	100	mg/L		02/20/23 09:25	5	0.20	02/23/23 10:05	JMW	EPA 6020A
Magnesium	42	mg/L		02/20/23 09:25	5	0.10	02/23/23 10:05	JMW	EPA 6020A
Potassium	0.52	mg/L		02/20/23 09:25	5	0.10	02/23/23 10:05	JMW	EPA 6020A
Sodium	73	mg/L		02/20/23 09:25	5	0.10	02/23/23 10:05	JMW	EPA 6020A

Pace Analytical Services, LLC
2231 W. Altorfer Drive
Peoria, IL 61615
(800)752-6651

ANALYTICAL RESULTS

Sample: GB03263-04
Name: G110
Matrix: Ground Water - Grab

Sampled: 02/15/23 13:05
Received: 02/16/23 14:30
PO #: 1164124

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	49	mg/L		02/20/23 11:40	10	10	02/20/23 11:40	CRD	EPA 300.0 REV 2.1
Fluoride	0.315	mg/L		02/20/23 11:22	1	0.250	02/20/23 11:22	CRD	EPA 300.0 REV 2.1
Sulfate	90	mg/L		02/20/23 11:40	10	10	02/20/23 11:40	CRD	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	11.09	Feet		02/15/23 13:05	1		02/15/23 13:05	FIELD	Field*
Dissolved oxygen, Field	1.4	mg/L		02/15/23 13:05	1		02/15/23 13:05	FIELD	Field*
Oxidation Reduction Potential	175	mV		02/15/23 13:05	1	-500	02/15/23 13:05	FIELD	Field*
pH, Field Measured	6.78	pH Units		02/15/23 13:05	1		02/15/23 13:05	FIELD	Field*
Specific Conductance, Field Measured	902.0	umhos/cm		02/15/23 13:05	1		02/15/23 13:05	FIELD	Field*
Temperature, Field Measured	15.1	°C		02/15/23 13:05	1		02/15/23 13:05	FIELD	Field*
Turbidity, Field Measured	< 0.00	NTU		02/15/23 13:05	1	0.00	02/15/23 13:05	FIELD	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO3	320	mg/L		02/24/23 10:13	1	10	02/24/23 10:13	CPS	SM 2320B 1997*
Alkalinity - carbonate as CaCO3	< 10	mg/L		02/24/23 10:13	1	10	02/24/23 10:13	CPS	SM 2320B 1997*
Soluble General Chemistry - PIA									
Solids - total dissolved solids (TDS)	640	mg/L		02/17/23 10:41	1	26	02/17/23 12:21	CPS	SM 2540C
Total Metals - PIA									
Boron	< 10	ug/L		02/21/23 08:55	5	10	02/22/23 16:12	JMW	EPA 6020A
Calcium	95	mg/L		02/21/23 08:55	5	0.20	02/22/23 10:13	JMW	EPA 6020A
Magnesium	39	mg/L		02/21/23 08:55	5	0.10	02/22/23 10:13	JMW	EPA 6020A
Potassium	0.14	mg/L		02/21/23 08:55	5	0.10	02/22/23 10:13	JMW	EPA 6020A
Sodium	46	mg/L		02/21/23 08:55	5	0.10	02/22/23 10:13	JMW	EPA 6020A

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ANALYTICAL RESULTS

Sample: GB03263-07
Name: G120
Matrix: Ground Water - Grab

Sampled: 02/15/23 11:47
Received: 02/16/23 14:30
PO #: 1164124

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	110	mg/L		02/24/23 00:18	25	25	02/24/23 00:18	CRD	EPA 300.0 REV 2.1
Fluoride	0.356	mg/L		02/24/23 00:00	1	0.250	02/24/23 00:00	CRD	EPA 300.0 REV 2.1
Sulfate	33	mg/L		02/24/23 00:18	25	25	02/24/23 00:18	CRD	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	14.57	Feet		02/15/23 11:47	1		02/15/23 11:47	FIELD	Field*
Dissolved oxygen, Field	5.6	mg/L		02/15/23 11:47	1		02/15/23 11:47	FIELD	Field*
Oxidation Reduction Potential	89.0	mV		02/15/23 11:47	1	-500	02/15/23 11:47	FIELD	Field*
pH, Field Measured	7.15	pH Units		02/15/23 11:47	1		02/15/23 11:47	FIELD	Field*
Specific Conductance, Field Measured	943.1	umhos/cm		02/15/23 11:47	1		02/15/23 11:47	FIELD	Field*
Temperature, Field Measured	14.0	°C		02/15/23 11:47	1		02/15/23 11:47	FIELD	Field*
Turbidity, Field Measured	3.79	NTU		02/15/23 11:47	1	0.00	02/15/23 11:47	FIELD	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO3	290	mg/L		02/24/23 10:13	1	10	02/24/23 10:13	CPS	SM 2320B 1997*
Alkalinity - carbonate as CaCO3	< 10	mg/L		02/24/23 10:13	1	10	02/24/23 10:13	CPS	SM 2320B 1997*
Soluble General Chemistry - PIA									
Solids - total dissolved solids (TDS)	610	mg/L		02/17/23 10:45	1	26	02/17/23 16:40	HRF	SM 2540C
Total Metals - PIA									
Boron	< 10	ug/L		02/21/23 08:55	5	10	02/22/23 16:15	JMW	EPA 6020A
Calcium	91	mg/L		02/21/23 08:55	5	0.20	02/22/23 10:16	JMW	EPA 6020A
Magnesium	39	mg/L		02/21/23 08:55	5	0.10	02/22/23 10:16	JMW	EPA 6020A
Potassium	0.44	mg/L		02/21/23 08:55	5	0.10	02/22/23 10:16	JMW	EPA 6020A
Sodium	36	mg/L		02/21/23 08:55	5	0.10	02/22/23 10:16	JMW	EPA 6020A

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ANALYTICAL RESULTS

Sample: GB03263-12
Name: G125
Matrix: Ground Water - Grab

Sampled: 02/15/23 15:44
Received: 02/16/23 14:30
PO #: 1164124

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	79	mg/L		02/20/23 12:17	10	10	02/20/23 12:17	CRD	EPA 300.0 REV 2.1
Fluoride	0.333	mg/L		02/20/23 11:59	1	0.250	02/20/23 11:59	CRD	EPA 300.0 REV 2.1
Sulfate	74	mg/L		02/20/23 12:17	10	10	02/20/23 12:17	CRD	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	11.91	Feet		02/15/23 15:44	1		02/15/23 15:44	FIELD	Field*
Dissolved oxygen, Field	4.7	mg/L		02/15/23 15:44	1		02/15/23 15:44	FIELD	Field*
Oxidation Reduction Potential	103	mV		02/15/23 15:44	1	-500	02/15/23 15:44	FIELD	Field*
pH, Field Measured	7.18	pH Units		02/15/23 15:44	1		02/15/23 15:44	FIELD	Field*
Specific Conductance, Field Measured	975.3	umhos/cm		02/15/23 15:44	1		02/15/23 15:44	FIELD	Field*
Temperature, Field Measured	13.8	°C		02/15/23 15:44	1		02/15/23 15:44	FIELD	Field*
Turbidity, Field Measured	24.2	NTU		02/15/23 15:44	1	0.00	02/15/23 15:44	FIELD	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO3	290	mg/L		02/24/23 10:13	1	10	02/24/23 10:13	CPS	SM 2320B 1997*
Alkalinity - carbonate as CaCO3	< 10	mg/L		02/24/23 10:13	1	10	02/24/23 10:13	CPS	SM 2320B 1997*
Soluble General Chemistry - PIA									
Solids - total dissolved solids (TDS)	640	mg/L		02/17/23 10:45	1	26	02/17/23 16:40	HRF	SM 2540C
Total Metals - PIA									
Boron	< 10	ug/L		02/21/23 08:55	5	10	02/22/23 16:17	JMW	EPA 6020A
Calcium	77	mg/L		02/21/23 08:55	5	0.20	02/22/23 10:20	JMW	EPA 6020A
Magnesium	33	mg/L		02/21/23 08:55	5	0.10	02/22/23 10:20	JMW	EPA 6020A
Potassium	0.36	mg/L		02/21/23 08:55	5	0.10	02/22/23 10:20	JMW	EPA 6020A
Sodium	70	mg/L		02/21/23 08:55	5	0.10	02/22/23 10:20	JMW	EPA 6020A

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ANALYTICAL RESULTS

Sample: GB03263-32
Name: L203
Matrix: Ground Water - Grab

Sampled: 02/15/23 13:16
Received: 02/16/23 14:30
PO #: 1164124

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	98	mg/L		02/21/23 21:51	10	10	02/21/23 21:51	CRD	EPA 300.0 REV 2.1
Sulfate	8400	mg/L		02/21/23 23:03	1000	1000	02/21/23 23:03	CRD	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	5.75	Feet		02/15/23 13:16	1		02/15/23 13:16	FIELD	Field*
Dissolved oxygen, Field	1.7	mg/L		02/15/23 13:16	1		02/15/23 13:16	FIELD	Field*
Oxidation Reduction Potential	-74.0	mV		02/15/23 13:16	1	-500	02/15/23 13:16	FIELD	Field*
pH, Field Measured	11.5	pH Units		02/15/23 13:16	1		02/15/23 13:16	FIELD	Field*
Specific Conductance, Field Measured	15200	umhos/cm		02/15/23 13:16	1		02/15/23 13:16	FIELD	Field*
Temperature, Field Measured	20.4	°C		02/15/23 13:16	1		02/15/23 13:16	FIELD	Field*
Turbidity, Field Measured	19.0	NTU		02/15/23 13:16	1	0.00	02/15/23 13:16	FIELD	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO3	< 10	mg/L		02/24/23 10:13	1	10	02/24/23 10:13	CPS	SM 2320B 1997*
Alkalinity - carbonate as CaCO3	180	mg/L		02/24/23 10:13	1	10	02/24/23 10:13	CPS	SM 2320B 1997*
Solids - total dissolved solids (TDS)	13000	mg/L		02/22/23 16:53	1	51	02/22/23 17:39	HRF	SM 2540C
Total Metals - PIA									
Calcium	85	mg/L		02/22/23 14:11	100	4.0	02/23/23 12:33	JMW	EPA 6020A
Magnesium	< 2.0	mg/L		02/22/23 14:11	100	2.0	02/23/23 12:33	JMW	EPA 6020A
Potassium	280	mg/L		02/22/23 14:11	100	2.0	02/23/23 12:33	JMW	EPA 6020A
Sodium	4300	mg/L		02/22/23 14:11	100	2.0	02/23/23 12:33	JMW	EPA 6020A

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ANALYTICAL RESULTS

Sample: GB03263-36
Name: T127
Matrix: Ground Water - Grab

Sampled: 02/15/23 10:09
Received: 02/16/23 14:30
PO #: 1164124

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	32	mg/L	Q4	02/22/23 03:23	10	10	02/22/23 03:23	CRD	EPA 300.0 REV 2.1
Fluoride	0.467	mg/L		02/22/23 02:26	1	0.250	02/22/23 02:26	CRD	EPA 300.0 REV 2.1
Sulfate	78	mg/L	Q4	02/22/23 03:23	10	10	02/22/23 03:23	CRD	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	14.32	Feet		02/15/23 10:09	1		02/15/23 10:09	FIELD	Field*
Dissolved oxygen, Field	3.8	mg/L		02/15/23 10:09	1		02/15/23 10:09	FIELD	Field*
Oxidation Reduction Potential	87.6	mV		02/15/23 10:09	1	-500	02/15/23 10:09	FIELD	Field*
pH, Field Measured	7.18	pH Units		02/15/23 10:09	1		02/15/23 10:09	FIELD	Field*
Specific Conductance, Field Measured	859.4	umhos/cm		02/15/23 10:09	1		02/15/23 10:09	FIELD	Field*
Temperature, Field Measured	13.8	°C		02/15/23 10:09	1		02/15/23 10:09	FIELD	Field*
Turbidity, Field Measured	148	NTU		02/15/23 10:09	1	0.00	02/15/23 10:09	FIELD	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO3	310	mg/L		02/24/23 10:13	1	10	02/24/23 10:13	CPS	SM 2320B 1997*
Alkalinity - carbonate as CaCO3	< 10	mg/L		02/24/23 10:13	1	10	02/24/23 10:13	CPS	SM 2320B 1997*
Soluble General Chemistry - PIA									
Solids - total dissolved solids (TDS)	440	mg/L		02/22/23 16:13	1	26	02/22/23 16:56	HRF	SM 2540C
Total Metals - PIA									
Boron	21	ug/L		02/22/23 14:11	5	10	02/27/23 07:44	JMW	EPA 6020A
Calcium	74	mg/L		02/22/23 14:11	5	0.20	02/23/23 13:23	JMW	EPA 6020A
Magnesium	29	mg/L		02/22/23 14:11	5	0.10	02/23/23 18:38	JMW	EPA 6020A
Potassium	0.81	mg/L		02/22/23 14:11	5	0.10	02/23/23 13:23	JMW	EPA 6020A
Sodium	73	mg/L		02/22/23 14:11	5	0.10	02/23/23 13:23	JMW	EPA 6020A

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ANALYTICAL RESULTS

Sample: GB03332-01
Name: G200
Matrix: Ground Water - Grab

Sampled: 02/16/23 13:00
Received: 02/17/23 08:30
PO #: 1164124

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	50	mg/L		02/22/23 11:57	25	25	02/22/23 11:57	CRD	EPA 300.0 REV 2.1
Fluoride	< 0.250	mg/L		02/22/23 11:39	1	0.250	02/22/23 11:39	CRD	EPA 300.0 REV 2.1
Sulfate	100	mg/L		02/22/23 11:57	25	25	02/22/23 11:57	CRD	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	2.71	Feet		02/16/23 13:00	1		02/16/23 13:00	FIELD	Field*
Dissolved oxygen, Field	4.6	mg/L		02/16/23 13:00	1		02/16/23 13:00	FIELD	Field*
Oxidation Reduction Potential	126	mV		02/16/23 13:00	1	-500	02/16/23 13:00	FIELD	Field*
pH, Field Measured	6.65	pH Units		02/16/23 13:00	1		02/16/23 13:00	FIELD	Field*
Specific Conductance, Field Measured	902.0	umhos/cm		02/16/23 13:00	1		02/16/23 13:00	FIELD	Field*
Temperature, Field Measured	7.8	°C		02/16/23 13:00	1		02/16/23 13:00	FIELD	Field*
Turbidity, Field Measured	388	NTU		02/16/23 13:00	1	0.00	02/16/23 13:00	FIELD	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO3	310	mg/L		02/24/23 10:13	1	10	02/24/23 10:13	CPS	SM 2320B 1997*
Alkalinity - carbonate as CaCO3	< 10	mg/L		02/24/23 10:13	1	10	02/24/23 10:13	CPS	SM 2320B 1997*
Soluble General Chemistry - PIA									
Solids - total dissolved solids (TDS)	440	mg/L		02/20/23 15:17	1	26	02/20/23 16:57	HRF	SM 2540C
Total Metals - PIA									
Boron	29	ug/L		02/22/23 14:11	5	10	02/27/23 07:52	JMW	EPA 6020A
Calcium	120	mg/L		02/22/23 14:11	5	0.20	02/23/23 13:42	JMW	EPA 6020A
Magnesium	54	mg/L		02/22/23 14:11	5	0.10	02/23/23 18:57	JMW	EPA 6020A
Potassium	1.9	mg/L		02/22/23 14:11	5	0.10	02/23/23 13:42	JMW	EPA 6020A
Sodium	65	mg/L		02/22/23 14:11	5	0.10	02/23/23 13:42	JMW	EPA 6020A

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ANALYTICAL RESULTS

Sample: GB03332-22
Name: R201
Matrix: Ground Water - Grab

Sampled: 02/16/23 10:05
Received: 02/17/23 08:30
PO #: 1164124

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	51	mg/L		02/23/23 17:40	50	50	02/23/23 17:40	CRD	EPA 300.0 REV 2.1
Fluoride	0.359	mg/L		02/23/23 17:22	1	0.250	02/23/23 17:22	CRD	EPA 300.0 REV 2.1
Sulfate	160	mg/L		02/23/23 17:40	50	50	02/23/23 17:40	CRD	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	2.78	Feet		02/16/23 10:05	1		02/16/23 10:05	FIELD	Field*
Dissolved oxygen, Field	2.4	mg/L		02/16/23 10:05	1		02/16/23 10:05	FIELD	Field*
Oxidation Reduction Potential	-15.0	mV		02/16/23 10:05	1	-500	02/16/23 10:05	FIELD	Field*
pH, Field Measured	7.09	pH Units		02/16/23 10:05	1		02/16/23 10:05	FIELD	Field*
Specific Conductance, Field Measured	1175	umhos/cm		02/16/23 10:05	1		02/16/23 10:05	FIELD	Field*
Temperature, Field Measured	8.5	°C		02/16/23 10:05	1		02/16/23 10:05	FIELD	Field*
Turbidity, Field Measured	5.10	NTU		02/16/23 10:05	1	0.00	02/16/23 10:05	FIELD	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO3	400	mg/L		02/28/23 10:36	1	10	02/28/23 10:36	CPS	SM 2320B 1997*
Alkalinity - carbonate as CaCO3	< 10	mg/L		02/28/23 10:36	1	10	02/28/23 10:36	CPS	SM 2320B 1997*
Soluble General Chemistry - PIA									
Solids - total dissolved solids (TDS)	750	mg/L		02/21/23 15:28	1	26	02/21/23 16:28	HRF	SM 2540C
Total Metals - PIA									
Boron	19	ug/L		02/23/23 09:11	5	10	03/02/23 11:11	JMW	EPA 6020A
Calcium	97	mg/L		02/23/23 09:11	5	0.20	03/02/23 11:11	JMW	EPA 6020A
Magnesium	42	mg/L		02/23/23 09:11	5	0.10	03/02/23 11:11	JMW	EPA 6020A
Potassium	0.84	mg/L		02/23/23 09:11	5	0.10	03/02/23 11:11	JMW	EPA 6020A
Sodium	110	mg/L		02/23/23 09:11	5	0.10	03/02/23 11:11	JMW	EPA 6020A

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QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B326014 - No Prep - SM 2540C									
Blank (B326014-BLK1)				Prepared & Analyzed: 02/16/23					
Solids - total dissolved solids (TDS)	< 17	mg/L							
LCS (B326014-BS1)				Prepared & Analyzed: 02/16/23					
Solids - total dissolved solids (TDS)	943	mg/L		1000		94	84.9-109		
Batch B326084 - No Prep - SM 2540C									
Blank (B326084-BLK1)				Prepared & Analyzed: 02/17/23					
Solids - total dissolved solids (TDS)	< 17	mg/L							
LCS (B326084-BS1)				Prepared & Analyzed: 02/17/23					
Solids - total dissolved solids (TDS)	1000	mg/L		1000		100	84.9-109		
Batch B326085 - No Prep - SM 2540C									
Blank (B326085-BLK1)				Prepared & Analyzed: 02/17/23					
Solids - total dissolved solids (TDS)	< 17	mg/L							
LCS (B326085-BS1)				Prepared & Analyzed: 02/17/23					
Solids - total dissolved solids (TDS)	1010	mg/L		1000		101	84.9-109		
Batch B326203 - SW 3015 - EPA 6020A									
Blank (B326203-BLK1)				Prepared: 02/20/23 Analyzed: 02/23/23					
Boron	< 10	ug/L							
Calcium	< 0.20	mg/L							
Magnesium	< 0.10	mg/L							
Potassium	< 0.10	mg/L							
Sodium	< 0.10	mg/L							
LCS (B326203-BS1)				Prepared: 02/20/23 Analyzed: 02/23/23					
Boron	556	ug/L		555.6		100	80-120		
Calcium	5.76	mg/L		5.556		104	80-120		
Magnesium	5.47	mg/L		5.556		98	80-120		
Potassium	5.70	mg/L		5.556		103	80-120		
Sodium	5.55	mg/L		5.556		100	80-120		
Batch B326266 - No Prep - SM 2540C									
Blank (B326266-BLK1)				Prepared & Analyzed: 02/20/23					
Solids - total dissolved solids (TDS)	< 17	mg/L							
LCS (B326266-BS1)				Prepared & Analyzed: 02/20/23					
Solids - total dissolved solids (TDS)	923	mg/L		1000		92	84.9-109		
Batch B326312 - SW 3015 - EPA 6020A									
Blank (B326312-BLK1)				Prepared: 02/21/23 Analyzed: 02/22/23					
Boron	< 10	ug/L							
Calcium	< 0.20	mg/L							
Magnesium	< 0.10	mg/L							
Potassium	< 0.10	mg/L							
Sodium	< 0.10	mg/L							
LCS (B326312-BS1)				Prepared: 02/21/23 Analyzed: 02/22/23					
Boron	540	ug/L		555.6		97	80-120		

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QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
LCS (B326312-BS1)				Prepared: 02/21/23 Analyzed: 02/22/23					
Calcium	5.65	mg/L		5.556		102	80-120		
Magnesium	5.33	mg/L		5.556		96	80-120		
Potassium	5.75	mg/L		5.556		104	80-120		
Sodium	5.10	mg/L		5.556		92	80-120		
Batch B326412 - No Prep - SM 2540C									
Blank (B326412-BLK1)				Prepared & Analyzed: 02/21/23					
Solids - total dissolved solids (TDS)	< 17	mg/L							
LCS (B326412-BS1)				Prepared & Analyzed: 02/21/23					
Solids - total dissolved solids (TDS)	1000	mg/L		1000		100	84.9-109		
Batch B326429 - IC No Prep - EPA 300.0 REV 2.1									
Calibration Blank (B326429-CCB1)				Prepared & Analyzed: 02/20/23					
Sulfate	0.00	mg/L							
Fluoride	0.00	mg/L							
Chloride	0.0986	mg/L							
Calibration Check (B326429-CCV1)				Prepared & Analyzed: 02/20/23					
Sulfate	4.89	mg/L		5.000		98	90-110		
Fluoride	5.05	mg/L		5.000		101	90-110		
Chloride	4.63	mg/L		5.000		93	90-110		
Batch B326430 - IC No Prep - EPA 300.0 REV 2.1									
Calibration Blank (B326430-CCB1)				Prepared & Analyzed: 02/20/23					
Sulfate	0.00	mg/L							
Chloride	0.00	mg/L							
Fluoride	0.00	mg/L							
Calibration Check (B326430-CCV1)				Prepared & Analyzed: 02/20/23					
Sulfate	4.96	mg/L		5.000		99	90-110		
Chloride	4.92	mg/L		5.000		98	90-110		
Fluoride	5.01	mg/L		5.000		100	90-110		
Batch B326498 - IC No Prep - EPA 300.0 REV 2.1									
Calibration Blank (B326498-CCB1)				Prepared & Analyzed: 02/21/23					
Sulfate	0.00	mg/L							
Chloride	0.0695	mg/L							
Fluoride	0.00	mg/L							
Calibration Blank (B326498-CCB2)				Prepared & Analyzed: 02/21/23					
Chloride	0.00	mg/L							
Sulfate	0.00	mg/L							
Fluoride	0.00	mg/L							
Calibration Check (B326498-CCV1)				Prepared & Analyzed: 02/21/23					
Chloride	4.88	mg/L		5.000		98	90-110		
Fluoride	5.24	mg/L		5.000		105	90-110		
Sulfate	4.91	mg/L		5.000		98	90-110		
Calibration Check (B326498-CCV2)				Prepared & Analyzed: 02/21/23					
Sulfate	4.87	mg/L		5.000		97	90-110		
Fluoride	5.19	mg/L		5.000		104	90-110		

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2231 W. Altorfer Drive
Peoria, IL 61615
(800)752-6651

QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Calibration Check (B326498-CCV2)				Prepared & Analyzed: 02/21/23					
Chloride	4.90	mg/L		5.000		98	90-110		
Matrix Spike (B326498-MS2)	**Sample: GB03263-36**			Prepared & Analyzed: 02/22/23					
Sulfate	1.00E9	mg/L	Q4	1.500	77.9	NR	80-120		
Fluoride	2.05	mg/L		1.500	0.467	106	80-120		
Chloride	< 1.0	mg/L	Q4	1.500	32	NR	80-120		
Matrix Spike Dup (B326498-MSD2)	**Sample: GB03263-36**			Prepared & Analyzed: 02/22/23					
Chloride	< 1.0	mg/L	Q4	1.500	32	NR	80-120		20
Sulfate	1.00E9	mg/L	Q4	1.500	77.9	NR	80-120	0	20
Fluoride	2.05	mg/L		1.500	0.467	106	80-120	0.07	20
Batch B326510 - SW 3015 - EPA 6020A									
Blank (B326510-BLK1)				Prepared: 02/22/23 Analyzed: 02/23/23					
Boron	< 10	ug/L							
Calcium	< 0.20	mg/L							
Magnesium	< 0.10	mg/L							
Potassium	< 0.10	mg/L							
Sodium	< 0.10	mg/L							
LCS (B326510-BS1)				Prepared: 02/22/23 Analyzed: 02/23/23					
Boron	583	ug/L		555.6		105	80-120		
Calcium	5.80	mg/L		5.556		104	80-120		
Magnesium	5.49	mg/L		5.556		99	80-120		
Potassium	5.69	mg/L		5.556		102	80-120		
Sodium	5.53	mg/L		5.556		100	80-120		
Batch B326524 - No Prep - SM 2540C									
Blank (B326524-BLK1)				Prepared & Analyzed: 02/22/23					
Solids - total dissolved solids (TDS)	< 17	mg/L							
LCS (B326524-BS1)				Prepared & Analyzed: 02/22/23					
Solids - total dissolved solids (TDS)	950	mg/L		1000		95	84.9-109		
Batch B326527 - No Prep - SM 2540C									
Blank (B326527-BLK1)				Prepared & Analyzed: 02/22/23					
Solids - total dissolved solids (TDS)	< 17	mg/L							
LCS (B326527-BS1)				Prepared & Analyzed: 02/22/23					
Solids - total dissolved solids (TDS)	1010	mg/L		1000		101	84.9-109		
Batch B326575 - SW 3015 - EPA 6020A									
Blank (B326575-BLK1)				Prepared: 02/23/23 Analyzed: 03/02/23					
Boron	< 10	ug/L							
Calcium	< 0.20	mg/L							
Magnesium	< 0.10	mg/L							
Potassium	< 0.10	mg/L							
Sodium	< 0.10	mg/L							
LCS (B326575-BS1)				Prepared: 02/23/23 Analyzed: 03/02/23					
Boron	538	ug/L		555.6		97	80-120		
Calcium	5.35	mg/L		5.556		96	80-120		
Magnesium	5.74	mg/L		5.556		103	80-120		

Pace Analytical Services, LLC
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QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
LCS (B326575-BS1)				Prepared: 02/23/23 Analyzed: 03/02/23					
Potassium	5.46	mg/L		5.556		98	80-120		
Sodium	5.86	mg/L		5.556		105	80-120		
Batch B326576 - No Prep - SM 2320B 1997									
Duplicate (B326576-DUP3)	**Sample: GB02992-01**			Prepared & Analyzed: 02/22/23					
Alkalinity - bicarbonate as CaCO3	238	mg/L			250			5	10
Alkalinity - carbonate as CaCO3	< 10	mg/L			ND				10
Batch B326599 - IC No Prep - EPA 300.0 REV 2.1									
Calibration Blank (B326599-CCB1)				Prepared & Analyzed: 02/22/23					
Chloride	0.00	mg/L							
Sulfate	0.00	mg/L							
Fluoride	0.00	mg/L							
Calibration Check (B326599-CCV1)				Prepared & Analyzed: 02/22/23					
Chloride	4.92	mg/L		5.000		98	90-110		
Fluoride	5.24	mg/L		5.000		105	90-110		
Sulfate	4.95	mg/L		5.000		99	90-110		
Batch B326721 - IC No Prep - EPA 300.0 REV 2.1									
Calibration Blank (B326721-CCB1)				Prepared & Analyzed: 02/23/23					
Fluoride	0.00	mg/L							
Chloride	0.226	mg/L							
Sulfate	0.00	mg/L							
Calibration Check (B326721-CCV1)				Prepared & Analyzed: 02/23/23					
Fluoride	5.08	mg/L		5.000		102	90-110		
Chloride	4.87	mg/L		5.000		97	90-110		
Sulfate	4.89	mg/L		5.000		98	90-110		
Batch B326745 - No Prep - SM 2320B 1997									
Blank (B326745-BLK1)				Prepared & Analyzed: 02/24/23					
Alkalinity - carbonate as CaCO3	< 2.0	mg/L							
Alkalinity - bicarbonate as CaCO3	2.50	mg/L							
Blank (B326745-BLK2)				Prepared & Analyzed: 02/24/23					
Alkalinity - bicarbonate as CaCO3	2.50	mg/L							
Alkalinity - carbonate as CaCO3	< 2.0	mg/L							
Blank (B326745-BLK3)				Prepared & Analyzed: 02/24/23					
Alkalinity - bicarbonate as CaCO3	2.50	mg/L							
Alkalinity - carbonate as CaCO3	< 2.0	mg/L							
Duplicate (B326745-DUP2)	**Sample: GB03263-07**			Prepared & Analyzed: 02/24/23					
Alkalinity - carbonate as CaCO3	< 10	mg/L			ND				10
Alkalinity - bicarbonate as CaCO3	288	mg/L			288			0	10

Pace Analytical Services, LLC
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Peoria, IL 61615
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NOTES

Specifications regarding method revisions, method modifications, and calculations used for analysis are available upon request. Please contact your project manager.

* Not a TNI accredited analyte

Certifications

CHI - McHenry, IL - 4314-A W. Crystal Lake Road, McHenry, IL 60050
TNI Accreditation for Drinking Water and Wastewater Fields of Testing through IL EPA Accreditation No. 100279
Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory Registry No. 17556

PIA - Peoria, IL - 2231 W. Altorfer Drive, Peoria, IL 61615
TNI Accreditation for Drinking Water, Wastewater, Solid and Hazardous Material Fields of Testing through IL EPA Accreditation No. 100230
Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory Registry No. 17553
Drinking Water Certifications/Accreditations: Iowa (240); Kansas (E-10338); Missouri (870)
Wastewater Certifications/Accreditations: Arkansas (88-0677); Iowa (240); Kansas (E-10338)
Solid and Hazardous Material Certifications/Accreditations: Arkansas (88-0677); Iowa (240); Kansas (E-10338)

SPMO - Springfield, MO - 1805 W Sunset Street, Springfield, MO 65807
USEPA DMR-QA Program

STL - Hazelwood, MO - 944 Anglum Rd, Hazelwood, MO 63042
TNI Accreditation for Wastewater, Solid and Hazardous Material Fields of Testing through KS KDHE Certification No. E-10389
TNI Accreditation for Wastewater, Solid and Hazardous Material Fields of Testing through IL EPA Accreditation No. - 200080
Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory, Registry No. 171050
Missouri Department of Natural Resources - Certificate of Approval for Microbiological Laboratory Service - No. 1050

Qualifiers

Q4 The matrix spike recovery result is unusable since the analyte concentration in the sample is greater than four times the spike level. The associated blank spike was acceptable.

Gail J Schindler

Certified by: Gail Schindler, Project Manager

GB00992

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp	Report To:	Brian Voelker	Attention:	Jason Stuckey
Address:	13498 E. 900th St	Copy To:	Jason Stuckey	Company Name:	Vistra Corp
				Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone: (217) 753-8911	Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	standard	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	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_WPCP_102	COF_WPCP_103_104	COF_WPCP_106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G101																												
2	G102			G	2/14/23	1550		7																					
3	G103				2/14/23	1425		7																					
4	G105				2/14/23	1311		7																					
5	G106				2/14/23	1221		7																					
6	G107				2/14/23	1106		4																					
7	G108																												
8	G109																												
9	G110																												
10	G111																												
11	G119																												
12	G120																												
13	G121																												
14	G122																												
15	G123																												
16	G124																												

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
COF-Q1-2023	Joseph R Reed	2/15/23	700							
					2/15/23	1600	2.1	Y	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Joe Reed

SIGNATURE of SAMPLER: Joseph R Reed DATE Signed (MM/DD/YY): 2/15/23

2/15/23

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:

Company:	Vistra Corp
Address:	13498 E. 900th St
Email To:	Brian.Voelker@VistraCorp.com
Phone: (217) 753-8911	Fax:
Requested Due Date/TAT:	standard

Section B Required Project Information:

Report To:	Brian Voelker
Copy To:	Jason Stuckey
Purchase Order No.:	
Project Name:	
Project Number:	2285

Section C Invoice Information:

Attention:	Jason Stuckey
Company Name:	Vistra Corp
Address:	see Section A
Quote Reference:	
Project Manager:	
Profile #:	

REGULATORY AGENCY

NPDES | **GROUND WATER** | DRINKING WATER
UST | RCRA | OTHER

Site Location **STATE:** IL

Section D Required Client Information

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

Valid Matrix Codes

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	COF_257_101	COF_257_102	COF_257_103	COF_257_104	COF_257_105	COF_811_105	COF_WPCP_102	COF_WPCP_103_104	COF_WPCP_106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G125																										
2	G126																										
3	G151		G	2/14/23	1610		6																				
4	G152			2/14/23	1217		4																				
5	G153			2/14/23	1310		4																				
6	G154			2/14/23	1410		6																				
7	G155			2/14/23	1508		4																				
8	G200																										
9	G206																										
10	G206D																										
11	G207																										
12	G208		G	2/14/23	1435		6																				
13	G209																										
14	G210		G	2/14/23	1328		6																				
15	G211																										
16	G212		G	2/14/23	1609		7																				

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
COF-Q1-2023	Joseph F Reed	2/15/23	700		2/15/23	1600	2.1	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: Joe Reed

SIGNATURE of SAMPLER: Joseph F Reed

DATE Signed (MM/DD/YY): 2/15/23

2/15/23

CHAIN-OF-CUSTODY / Analytical Request Document

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Section A Required Client Information:

Company:	Vistra Corp
Address:	13498 E. 900th St
Email To:	Brian.Voelker@VistraCorp.com
Phone: (217) 753-8911	Fax:
Requested Due Date/TAT:	standard

Section B Required Project Information:

Report To:	Brian Voelker
Copy To:	Jason Stuckey
Purchase Order No.:	
Project Name:	
Project Number:	2285

Section C Invoice Information:

Attention:	Jason Stuckey
Company Name:	Vistra Corp
Address:	see Section A
Quote Reference:	
Project Manager:	
Profile #:	

REGULATORY AGENCY

NPDES **GROUND WATER** DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

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

Valid Matrix Codes

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

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	COF_257_101	COF_257_102	COF_257_103	COF_257_104	COF_257_105	COF_811_105	COF_WPCP_102	COF_WPCP_103_104	COF_WPCP_106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G213																										
2	G214		G	2/14/23	1129		6																				
3	G215																										
4	G216		G	2/14/23	1223		6																				
5	G217																										
6	G218																										
7	G270																										
8	G271																										
9	G272																										
10	G273																										
11	G274																										
12	G275																										
13	G276																										
14	G277																										
15	G278																										
16	G279																										

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
COF-Q1-2023	Joseph R Reed	2/15/23	700							
					2/15/23	1600	2.1	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: Joseph R Reed

SIGNATURE of SAMPLER: Joseph R Reed

DATE Signed (MM/DD/YY): 2/15/23

2/15/23

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:

Company:	Vistra Corp
Address:	13498 E. 900th St
Email To:	Brian.Voelker@VistraCorp.com
Phone: (217) 753-8911	Fax:
Requested Due Date/TAT:	standard

Section B Required Project Information:

Report To:	Brian Voelker
Copy To:	Jason Stuckey
Purchase Order No.:	
Project Name:	
Project Number:	2285

Section C Invoice Information:

Attention:	Jason Stuckey
Company Name:	Vistra Corp
Address:	see Section A
Quote Reference:	
Project Manager:	
Profile #:	

REGULATORY AGENCY

NPDES **GROUND WATER** DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

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

Valid Matrix Codes

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N: COF_257_101	COF_257_102	COF_257_103	COF_257_104	COF_257_105	COF_811_105	COF_WPCP_102	COF_WPCP_103_104	COF_WPCP_106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G316																									
2	G401																									
3	G402																									
4	G403																									
5	G404		G	2/14/23	1550		5																			
6	G405			2/14/23	1651		5																			
7	G406			2/14/23	1336		5																			
8	G407			2/14/23	1228		5																			
9	G410			2/14/23	1123		5																			
10	G411			2/14/23	1443		5																			
11	G1001																									
12	G1003																									
13	L203																									
14	NE Riser																									
15	R104																									
16	R201																									

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
COF-Q1-2023	Joseph R Reed	2/15/23	700		2/15/23	1600	2.1	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: Joe Reed

SIGNATURE of SAMPLER: Joseph R Reed DATE Signed (MM/DD/YY): 2/15/23

2/15/23

VISTRA - COFFEEN GB03763
COFFEEN 1Q23

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:

Company:	Vistra Corp
Address:	13498 E. 900th St
Email To:	Brian.Voelker@VistraCorp.com
Phone: (217) 753-8911	Fax:
Requested Due Date/TAT:	standard

Section B Required Project Information:

Report To:	Brian Voelker
Copy To:	Jason Stuckey
Purchase Order No.:	
Project Name:	
Project Number:	2285

Section C Invoice Information:

Attention:	Jason Stuckey
Company Name:	Vistra Corp
Address:	see Section A
Quote Reference:	
Project Manager:	
Profile #:	

REGULATORY AGENCY

NPDES | GROUND WATER | DRINKING WATER
UST | RCRA | OTHER

Site Location STATE: IL

Section D Required Client Information

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

Valid Matrix Codes

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

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	COF_257_101	COF_257_102	COF_257_103	COF_257_104	COF_257_105	COF_811_105	COF_WPCP_102	COF_WPCP_103_104	COF_WPCP_106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G101		G	2/15/23	1017		4																				
2	G102																										
3	G103																										
4	G105																										
5	G106																										
6	G107																										
7	G108		G	2/15/23	1142		4																				
8	G109		G	2/15/23	1220		4																				
9	G110		G	2/15/23	1305		6																				
10	G111		G	2/15/23	1417		4																				
11	G119		G	2/15/23	1548		4																				
12	G120		G	2/15/23	1147		4																				
13	G121		G	2/15/23	1233		4																				
14	G122		G	2/15/23	1322		4																				
15	G123		G	2/15/23	1405		4																				
16	G124		G	2/15/23	1448		4																				

Requested Analysis Filtered (Y/N)

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
COF-Q1-2023	Joseph R Reed	2/16/23	700		2-16	1125				
		2-16	1415		2/16/23	1430	2.8	Y	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Joe Reed

SIGNATURE of SAMPLER: Joseph R Reed

DATE Signed (MM/DD/YY): 2/16/23

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

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:

Company:	Vistra Corp
Address:	13498 E. 900th St
Email To:	Brian.Voelker@VistraCorp.com
Phone: (217) 753-8911	Fax:
Requested Due Date/TAT:	standard

Section B Required Project Information:

Report To:	Brian Voelker
Copy To:	Jason Stuckey
Purchase Order No.:	
Project Name:	
Project Number:	2285

Section C Invoice Information:

Attention:	Jason Stuckey
Company Name:	Vistra Corp
Address:	see Section A
Quote Reference:	
Project Manager:	
Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

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

Valid Matrix Codes

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

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N: COF_257_101	COF_257_102	COF_257_103	COF_257_104	COF_257_105	COF_811_105	COF_WPCP_102	COF_WPCP_103_104	COF_WPCP_106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G125			2/15/23	1544		6																		
2	G126			2/15/23	1708		4																		
3	G151																								
4	G152																								
5	G153																								
6	G154																								
7	G155																								
8	G200																								
9	G206																								
10	G206D																								
11	G207																								
12	G208																								
13	G209	G		2/15/23	1312		7																		
14	G210																								
15	G211	G		2/15/23	948		6																		
16	G212																								

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
COF-Q1-2023		2/16/23	700		2-16	1126				
		2-16	1415		2/16/23	1430	2.8	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: Joe Reed

SIGNATURE of SAMPLER: Joseph R Reed DATE Signed (MM/DD/YY): 2/16/23

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:

Company:	Vistra Corp
Address:	13498 E. 900th St
Email To:	Brian.Voelker@VistraCorp.com
Phone: (217) 753-8911	Fax:
Requested Due Date/TAT:	standard

Section B Required Project Information:

Report To:	Brian Voelker
Copy To:	Jason Stuckey
Purchase Order No.:	
Project Name:	
Project Number:	2285

Section C Invoice Information:

Attention:	Jason Stuckey
Company Name:	Vistra Corp
Address:	see Section A
Quote Reference:	
Project Manager:	
Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

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

Valid Matrix Codes

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

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N: COF_257_101	COF_257_102	COF_257_103	COF_257_104	COF_257_105	COF_811_105	COF_WPCP_102	COF_WPCP_103_104	COF_WPCP_106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G213		G	2/15/23	1059		7																			
2	G214																									
3	G215		G	2/15/23	1204		7																			
4	G216																									
5	G217		G	2/15/23	1708		7																			
6	G218																									
7	G270																									
8	G271																									
9	G272																									
10	G273																									
11	G274																									
12	G275																									
13	G276		G	2/15/23	1545		7																			
14	G277		G	2/15/23	1419		6																			
15	G278		G	2/15/23	1603		6																			
16	G279																									

Requested Analysis Filtered (Y/N)

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
COF-Q1-2023	Joe Reed	2/16/23	700		2-16	1125				
		2-16	1415		2/16/23	1430	2.8	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: Joe Reed

SIGNATURE of SAMPLER: Joe Reed

DATE Signed (MM/DD/YY): 2/16/23

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:

Company:	Vistra Corp
Address:	13498 E. 900th St
Email To:	Brian.Voelker@VistraCorp.com
Phone: (217) 753-8911	Fax:
Requested Due Date/TAT:	standard

Section B Required Project Information:

Report To:	Brian Voelker
Copy To:	Jason Stuckey
Purchase Order No.:	
Project Name:	
Project Number:	2285

Section C Invoice Information:

Attention:	Jason Stuckey
Company Name:	Vistra Corp
Address:	see Section A
Quote Reference:	
Project Manager:	
Profile #:	

REGULATORY AGENCY

NPDES | GROUND WATER | DRINKING WATER
UST | RCRA | OTHER

Site Location STATE: IL

Section D Required Client Information

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

Valid Matrix Codes

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

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	COF_257_101	COF_257_102	COF_257_103	COF_257_104	COF_257_105	COF_811_105	COF_WPCP_102	COF_WPCP_103_104	COF_WPCP_106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G280																										
2	G281																										
3	G301		G	2/15/23	1330	3																					
4	G302		G	2/15/23	1230	3																					
5	G303		G	2/15/23	1552																						
6	G305		G	2/15/23	1452	3																					
7	G306																										
8	G307		G	2/15/23	1524	3																					
9	G307D		G	2/15/23	~~1625~~	3																					
10	G308			G 3/8/23	16:25																						
11	G310																										
12	G312		G	2/15/23	—	U																					
13	G313																										
14	G314																										
15	G314D																										
16	G315		G	2/15/23	1119	3																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-Q1-2023	Joseph R Reed	2/16/23	700		2.16	1128	
		2.16	1416		1430	2/16/23	2.8 / Y / N / Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Joe Reed

SIGNATURE of SAMPLER: Joseph R Reed — DATE Signed (MM/DD/YY): 2/16/23

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

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:

Company:	Vistra Corp
Address:	13498 E. 900th St
Email To:	Brian.Voelker@VistraCorp.com
Phone: (217) 753-8911	Fax:
Requested Due Date/TAT:	standard

Section B Required Project Information:

Report To:	Brian Voelker
Copy To:	Jason Stuckey
Purchase Order No.:	
Project Name:	
Project Number:	2285

Section C Invoice Information:

Attention:	Jason Stuckey
Company Name:	Vistra Corp
Address:	see Section A
Quote Reference:	
Project Manager:	
Profile #:	

REGULATORY AGENCY

NPDES | GROUND WATER | DRINKING WATER
UST | RCRA | OTHER

Site Location STATE: IL

Section D Required Client Information

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

Valid Matrix Codes

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N)	COF_257_101	COF_257_102	COF_257_103	COF_257_104	COF_257_105	COF_811_105	COF_WPCP_102	COF_WPCP_103_104	COF_WPCP_106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G316																									
2	G401		G	2/15/23	1155		5																			
3	G402		G	2/15/23	1045		5																			
4	G403		G	2/15/23	1302		5																			
5	G404																									
6	G405																									
7	G406																									
8	G407																									
9	G410																									
10	G411																									
11	G1001		G	2/15/23	1015		3																			
12	G1003																									
13	L203		G	2/15/23	1316		2																			
14	NE Riser		G	2/15/23	1413		2																			
15	R104		G	2/15/23	1105		7																			
16	R201																									

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-Q1-2023	Joseph A Reed	2/16/23	700		2-16	1125				
		2-16	1413		2/16/23	1430	2.8	Y	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Joe Reed

SIGNATURE of SAMPLER: Joseph A Reed — DATE Signed (MM/DD/YY): 2/16/23

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:

Company:	Vistra Corp
Address:	13498 E. 900th St
Email To:	Brian.Voelker@VistraCorp.com
Phone: (217) 753-8911	Fax:
Requested Due Date/TAT:	standard

Section B Required Project Information:

Report To:	Brian Voelker
Copy To:	Jason Stuckey
Purchase Order No.:	
Project Name:	
Project Number:	2285

Section C Invoice Information:

Attention:	Jason Stuckey
Company Name:	Vistra Corp
Address:	see Section A
Quote Reference:	
Project Manager:	
Profile #:	

REGULATORY AGENCY

NPDES | **GROUND WATER** | DRINKING WATER
UST | RCRA | OTHER

Site Location STATE: IL

Section D Required Client Information

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

Valid Matrix Codes

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

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	COF_257_101	COF_257_102	COF_257_103	COF_257_104	COF_257_105	COF_811_105	COF_WPCP_102	COF_WPCP_103_104	COF_WPCP_106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	R205		G	2/15/23	1516		6																				
2	SG-02																										
3	SG-03																										
4	SG-04																										
5	T127		G	2/15/23	1009		6																				
6	T128		G	2/15/23	1053		4																				
7	X201		G	2/15/23	1330		2																				
8	XPW01		G	2/15/23	1650		2																				
9	XPW02		G	2/15/23	1621		2																				
10	XSG-01																										
11																											
12																											
13																											
14																											
15																											
16																											

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
COF-Q1-2023	Joseph R Reed	2/16/23	700		2-16	1125
		2-16	1415		2/16/23	1430

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

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Joe Reed

SIGNATURE of SAMPLER: Joseph R Reed DATE Signed (MM/DD/YY): 2/16/23

VISTRA - COFFEEN GBO 3332
COFFEEN 1Q23

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp	Report To: Brian Voelker	Attention: Jason Stuckey
Address: 13498 E. 900th St	Copy To: Jason Stuckey	Company Name: Vistra Corp
		Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: standard	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_WPCP_102	COF_WPCP_103_104	COF_WPCP_106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G125																										
2	G126																										
3	G151																										
4	G152																										
5	G153																										
6	G154																										
7	G155																										
8	G200	W	G	2/16/23	1300		7																				
9	G206D	"	"	"	1112		2																				
10	~~G206D AM~~	"	"	"	1023		7																				
11	G207				1130		6																				
12	G208																										
13	G209																										
14	G210																										
15	G211																										
16	G212																										

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

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
COF-Q1-2023	Austin Moon	2/16/23	1817							
					2/17/23	830	3.8	X	N	X
							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: AMSTER, KLABDE
SIGNATURE of SAMPLER: Austin Moon
DATE Signed (MM/DD/YY): 2/16/23

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:

Company:	Vistra Corp
Address:	13498 E. 900th St
Email To:	Brian.Voelker@VistraCorp.com
Phone: (217) 753-8911	Fax:
Requested Due Date/TAT:	standard

Section B Required Project Information:

Report To:	Brian Voelker
Copy To:	Jason Stuckey
Purchase Order No.:	
Project Name:	
Project Number:	2285

Section C Invoice Information:

Attention:	Jason Stuckey
Company Name:	Vistra Corp
Address:	see Section A
Quote Reference:	
Project Manager:	
Profile #:	

REGULATORY AGENCY

NPDES | **GROUND WATER** | DRINKING WATER
UST | RCRA | OTHER

Site Location *STATE:* IL

Section D Required Client Information

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

Valid Matrix Codes

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	COF_257_101	COF_257_102	COF_257_103	COF_257_104	COF_257_105	COF_811_105	COF_WPCP_102	COF_WPCP_103_104	COF_WPCP_106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G213																										
2	G214																										
3	G215																										
4	G216																										
5	G217																										
6	G218	W	G	2/16/23	1312		7																				
7	G270				1507		6																				
8	G271				1457		7																				
9	G272				1405		6																				
10	G273				1518		7																				
11	G274				1335		6																				
12	G275				1215		6																				
13	G276																										
14	G277																										
15	G278																										
16	G279				1127		7																				

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
COF-Q1-2023		2/16/23	1817							
					2/17/23	830	3.8	Y	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: ANDREW KRAPF

SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY): 2/16/23

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

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp	Report To: Brian Voelker	Attention: Jason Stuckey
Address: 13498 E. 900th St	Copy To: Jason Stuckey	Company Name: Vistra Corp
		Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: standard	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_WPCP_102	COF_WPCP_103_104	COF_WPCP_106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G280	W	G	2/16/23	1018		7																			
2	G281				1419		5																			
3	G301																									
4	G302																									
5	G303																									
6	G305																									
7	G306				1126		3																			
8	G307																									
9	G307D																									
10	G308				1249		3																			
11	G310				1348		3																			
12	G312																									
13	G313				1153		3																			
14	G314D				1057		3																			
15	G314D-AM				1003		3																			
16	G315																									

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-Q1-2023	Quatin Moore	2/16/23	1817				
					2/17/23	830	3.8 / Y / N / Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: ANDREW CLARKE

SIGNATURE of SAMPLER: Quatin Moore DATE Signed (MM/DD/YY): 02/16/23

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

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp	Report To: Brian Voelker	Attention: Jason Stuckey
Address: 13498 E. 900th St	Copy To: Jason Stuckey	Company Name: Vistra Corp
		Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: standard	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	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_WPCP_102	COF_WPCP_103_104	COF_WPCP_106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G316	WT	G	2/16/23	1025		3																			
2	G401																									
3	G402																									
4	G403																									
5	G404																									
6	G405																									
7	G406																									
8	G407																									
9	G410																									
10	G411																									
11	G1001																									
12	G1003																									
13	L203																									
14	NE Riser																									
15	R104																									
16	R201	WT	G	2/16/23	1009		6																			

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
COF-Q1-2023	[signature]	2/16/23	1817			
				[signature]	2/17/23	830

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

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: ANDREW KLAPOTE

SIGNATURE of SAMPLER: [signature]

DATE Signed (MM/DD/YY): 2/16/23

SUBCONTRACT ORDER
Transfer Chain of Custody

1-28

Pace Analytical Services, LLC

GB03332

SENDING LABORATORY

PDC Laboratories, Inc.
2231 W Altorfer Dr
Peoria, IL 61615
(800) 752-6651

RECEIVING LABORATORY

Pace Analytical Services, LLC - Hazelwood
944 Anglum Road
Hazelwood, MO 63042
(314) 432-0550

Sample: GB03332-06
Name: G270

Sampled: 02/16/23 15:04
Matrix: Ground Water
Preservative: H2SO4, cool <6

Analysis	Due	Expires	Comments
Phenol	03/01/23 16:00	03/16/23 15:04	

Please email results to Gail Schindler at gail.schindler@pacelabs.com

Date Shipped: 3/17/23 3/18/23 (EMS 3/18/23) Total # of Containers: 1 Sample Origin (State): IL PO #: —

Turn-Around Time Requested ☒ NORMAL ☐ RUSH Date Results Needed: _____

Relinquished By	Date/Time	Received By	Date/Time
(EMS 3/18/23) 3/18/23	3/17/23 0945		3/20/23 10:24

Sample Temperature Upon Receipt	4.6 °C
Sample(s) Received on Ice	Y or N
Proper Bottles Received in Good Condition	Y or N
Bottles Filled with Adequate Volume	Y or N
Samples Received Within Hold Time	Y or N
Date/Time Taken From Sample Bottle	Y or N

Coffeen

WELL/SAMPLE POINT G102 **Purge Method:** Compressor

Date: 14-Feb-23 Start Time: 1457 Finish/Sample Time: 1550

Well Depth (Bottom) From MP: **20.36** ft Min. Purge Volume: 1 Gal / L

Depth to Water From MP: 4.62 ft Total Purge Volume: 1.4 Gal / L

FOTW 4.91 ft

Total Drawdown: 0.29 ft

Reading (Units)	Time	Depth (ft.)	Flow Rate (mL/min)	pH (s.u.)	Spec Cond (umhos/cm)	Temp (deg C)	ORP (mV)	DO (mg/L)	Turb (NTU)
1	1514 ISB	4.91	100	7.05	947	11.74	188	1.86	0.0
2	1514	4.91	1	7.04	939	11.79	188	1.85	0.0
3	1515	4.91	1	7.00	936	11.69	187	1.88	0.0
4									
5									
Stabilization	NA	NA	NA	± 0.2	± 3%	± 0.2	± 20	± 10% or 0.2	NA

Field Meter: Horriba

Sample Appearance:

Odor: ☑ None ☐ Slight ☐ Mod. ☐ Strong

Color ☑ None ☐ Slight ☐ Mod. ☐ Strong

Turb: ☑ None ☐ Slight ☐ Mod ☐ Strong

Well Integrity	Yes	No
Well has ID sign	✓	
Casing locked/secure	✓	
Well cap fits securely.		✓
Good seal/drainage	✓	
Well has weep holes		✓

BOTTLE INFORMATION:

Unfiltered	
Qty	Bottles
	VOAs (C,V, 40mL, HCL)
	VOAS (C,V, 40mL)
	Organics (A,G,U 1000mL)
	Organics (A,G,U 500mL)
	TOC (A,V 40mL, H2SO4)
	TOX (A,G 250mL, H2SO4)
1	Metals (P,250mL, HNO3)
1	Cyanide (P, 250mL, NaOH)
1	Phenols (A,G,250mL, H2SO4)
1	General (P, 250 mL)

Filtered	
Qty	Bottles
1	Metals (P,250mL, HNO3)
1	Ammonia (P,250mL, H2S04)
1	General (P,500mL)

Comments

Sampler's Signature: Austin Moore

Coffeen

WELL/SAMPLE POINT G106 **Purge Method:** Compressor

Date: 14-Feb-23 Start Time: 1124 Finish/Sample Time: 1221

Well Depth (Bottom) From MP: **22.36** ft Min. Purge Volume: 1 Gal / L

Depth to Water From MP: 8.36 ft Total Purge Volume: 1.5 Gal / L

13.35ft FD+W

Total Drawdown: 5.02 ft

Reading	Time	Depth	Flow Rate	pH	Spec Cond	Temp	ORP	DO	Turb
(Units)		(ft.)	(mL/min)	(s.u.)	(umhos/cm)	(deg C)	(mV)	(mg/L)	(NTU)
1	1142	10.28	100	6.67	1060	11.42	212	4.7	0.0
2	1143	10.37		6.67	1050	11.41	212	3.36	0.0
3	1144	10.39		6.67	1060	11.42	212	2.79	0.0
4	1145	10.39		6.67	1070	11.42	211	2.50	0.0
5									
Stabilization	NA	NA	NA	± 0.2	± 3%	± 0.2	± 20	± 10% or 0.2	NA

Field Meter: Horiba

Sample Appearance:

Odor: ☑ None ☐ Slight ☐ Mod. ☐ Strong

Color ☑ None ☐ Slight ☐ Mod. ☐ Strong

Turb: ☑ None ☐ Slight ☐ Mod ☐ Strong

Well Integrity	Yes	No
Well has ID sign	/	
Casing locked/secure	/	
Well cap fits securely.	/	
Good seal/drainage	/	
Well has weep holes		/

BOTTLE INFORMATION:

Unfiltered	
Qty	Bottles
	VOAs (C,V, 40mL, HCL)
	VOAS (C,V, 40mL)
	Organics (A,G,U 1000mL)
	Organics (A,G,U 500mL)
	TOC (A,V 40mL, H2SO4)
	TOX (A,G 250mL, H2SO4)
	Metals (P,250mL, HNO3)
	Cyanide (P, 250mL, NaOH)
	Phenols (A,G,250mL, H2SO4)
1	General (P, 250 mL)

Filtered	
Qty	Bottles
1	Metals (P,250mL, HNO3)
1	Ammonia (P,250mL, H2S04)
1	General (P,500mL)

Comments

Sampler's Signature: Austin Moore

Coffeen

WELL/SAMPLE POINT G110 **Purge Method:** Compressor

Date: 15-Feb-23 Start Time: 1232 Finish/Sample Time: 1305

Well Depth (Bottom) From MP: 22.61 ft Min. Purge Volume: 1 Gal / (L)

Depth to Water From MP: 11.09 ft Total Purge Volume: 1.3 Gal / (L)

FDTW 11.39 ft

Total Drawdown: 0.3 ft

Reading	Time	Depth	Flow Rate	pH	Spec Cond	Temp	ORP	DO	Turb
(Units)		(ft.)	(mL/min)	(s.u.)	(umhos/cm)	(deg C)	(mV)	(mg/L)	(NTU)
1	1243	11.39	100	6.87	902	19.42	183	1.94	0.0
2	1294	11.39	1	6.80	907	19.23	178	1.59	0.0
3	1245	11.39	1	6.78	902	19.08	175	1.42	0.0
4									
5									
Stabilization	NA	NA	NA	± 0.2	± 3%	± 0.2	± 20	± 10% or 0.2	NA

Field Meter: Horiba

Sample Appearance:

Odor: ☑ None ☐ Slight ☐ Mod. ☐ Strong

Color ☑ None ☐ Slight ☐ Mod. ☐ Strong

Turb: ☑ None ☐ Slight ☐ Mod ☐ Strong

Well Integrity	Yes	No
Well has ID sign	/	
Casing locked/secure	/	
Well cap fits securely.	/	
Good seal/drainage	/	
Well has weep holes	/	

BOTTLE INFORMATION:

Unfiltered	
Qty	Bottles
	VOAs (C,V, 40mL, HCL)
	VOAS (C,V, 40mL)
	Organics (A,G,U 1000mL)
	Organics (A,G,U 500mL)
	TOC (A,V 40mL, H2SO4)
	TOX (A,G 250mL, H2SO4)
1	Metals (P,250mL, HNO3)
1	Cyanide (P, 250mL, NaOH)
	Phenols (A,G,250mL, H2SO4)
1	General (P, 250 mL)

Filtered	
Qty	Bottles
1	Metals (P,250mL, HNO3)
~~1~~	Ammonia (P,250mL, H2S04)
~~1~~	General (P,500mL)

Comments

Sampler's Signature: Austin Moore

Coffeen

WELL/SAMPLE POINT G120 **Purge Method:** Bladder pump

Date: 2/15/23 Start Time: 11:09 Finish/Sample Time: 11:47

Well Depth (Bottom) From MP: 22.94 ft Min. Purge Volume: 1.0 Gal (L)

Depth to Water From MP: ~~14.82~~ ft MDE 14.57 Total Purge Volume: 1.25 Gal / (L)

Total Drawdown: 3.39 ft

Reading	Time	Depth	Flow Rate	pH	Spec Cond	Temp	ORP	DO	Turb
(Units)		(ft.)	(mL/min)	(s.u.)	(umhos/cm)	(deg C)	(mV)	(mg/L)	(NTU)
1	11:20	15.80	100	7.15	940.10	14.03	87.5	3.91	3.31
2	11:21	15.85	100	7.16	940.75	14.06	88.9	5.56	3.55
3	11:22	15.95	100	7.16	939.05	14.04	88.4	5.57	3.91
4	11:23	16.02	100	7.15	943.09	13.98	89.0	5.61	3.79
5									
Stabilization	NA	NA	NA	± 0.2	± 3%	± 0.2	± 20	± 10% or 0.2	NA

Field Meter: AT 486944

Sample Appearance:

Odor: ☒ None ☐ Slight ☐ Mod. ☐ Strong

Color ☒ None ☐ Slight ☐ Mod. ☐ Strong

Turb: ☐ None ☒ Slight ☐ Mod ☐ Strong

Well Integrity	Yes	No
Well has ID sign	✓	
Casing locked/secure	✓	
Well cap fits securely.	✓	
Good seal/drainage	✓	
Well has weep holes	✓	

BOTTLE INFORMATION:

Unfiltered	
Qty	Bottles
	VOAs (C,V, 40mL, HCL)
	VOAS (C,V, 40mL)
	Organics (A,G,U 1000mL)
	Organics (A,G,U 500mL)
	TOC (A,V 40mL, H2SO4)
	TOX (A,G 250mL, H2SO4)
1	Metals (P,250mL, HNO3)
1	Cyanide (P, 250mL, NaOH)
	Phenols (A,G,250mL, H2SO4)
	General (P, 250 mL)

Filtered	
Qty	Bottles
1	Metals (P,250mL, HNO3)
1	Ammonia (P,250mL, H2S04)
1	General (P,500mL)

Comments

Sampler's Signature: MJK

Coffeen

WELL/SAMPLE POINT G125 **Purge Method:** Bladder pump

Date: 2/15/23 Start Time: 15:01 Finish/Sample Time: 15:44

Well Depth (Bottom) From MP: 24.90 ft Min. Purge Volume: 1.0 Gal (L)

Depth to Water From MP: 11.91 ft Total Purge Volume: ~~1.79~~ 1.5 Gal (L)

Total Drawdown: 1.79 ft

Reading	Time	Depth	Flow Rate	pH	Spec Cond	Temp	ORP	DO	Turb
(Units)		(ft.)	(mL/min)	(s.u.)	(umhos/cm)	(deg C)	(mV)	(mg/L)	(NTU)
1	15:17	13.10	100	7.18	976.65	13.88	102.4	4.79	27.21
2	15:18	13.10	100	7.18	978.84	13.90	102.9	4.73	25.65
3	15:19	13.10	100	7.18	975.27	13.83	103.4	4.72	24.17
4									
5									
Stabilization	NA	NA	NA	± 0.2	± 3%	± 0.2	± 20	± 10% or 0.2	NA

Field Meter: AT486944

Sample Appearance:

Odor: ~~☑~~ None ☐ Slight ☐ Mod. ☐ Strong

Color ~~☑~~ None ☐ Slight ☐ Mod. ☐ Strong

Turb: ☐ None ~~☑~~ Slight ☐ Mod ☐ Strong

Well Integrity	Yes	No
Well has ID sign	✓	
Casing locked/secure	✓	
Well cap fits securely.	✓	
Good seal/drainage	✓	
Well has weep holes	✓	

BOTTLE INFORMATION:

Unfiltered	
Qty	Bottles
	VOAs (C,V, 40mL, HCL)
	VOAS (C,V, 40mL)
	Organics (A,G,U 1000mL)
	Organics (A,G,U 500mL)
	TOC (A,V 40mL, H2SO4)
	TOX (A,G 250mL, H2SO4)
1	Metals (P,250mL, HNO3)
1	Cyanide (P, 250mL, NaOH)
	Phenols (A,G,250mL, H2SO4)
1	General (P, 250 mL)

Filtered	
Qty	Bottles
1	Metals (P,250mL, HNO3)
1	Ammonia (P,250mL, H2S04)
1	General (P,500mL)

Comments

Sampler's Signature:

Coffeen

WELL/SAMPLE POINT T127 **Purge Method:** Bladder Pump

Date: 2/15/23 Start Time: 9:24 Finish/Sample Time: 10:09

Well Depth (Bottom) From MP: 25.48 ft Min. Purge Volume: 1.0 Gal (L)

Depth to Water From MP: 14.32 ft Total Purge Volume: 1.5 Gal (L)

Total Drawdown: 0.53 ft

Reading	Time	Depth	Flow Rate	pH	Spec Cond	Temp	ORP	DO	Turb
(Units)		(ft.)	(mL/min)	(s.u.)	(umhos/cm)	(deg C)	(mV)	(mg/L)	(NTU)
1	9:34	14.52	100	7.18	859.36	13.79	~~4.16~~ MOF 95.6	4.16	202.69
2	~~9:36~~ 9:39 MOF	14.52	100	7.18	861.81	13.75	88.8	3.98	181.74
3	~~9:38~~ 9:42 MOF	14.52	100	7.18	859.40	13.75	87.6	3.79	148.42
4									
5									
Stabilization	NA	NA	NA	± 0.2	± 3%	± 0.2	± 20	± 10% or 0.2	NA

Field Meter: AT 486944

Sample Appearance:

Odor: ☒ None ☐ Slight ☐ Mod. ☐ Strong

Color ☐ None ☒ Slight ☐ Mod. ☐ Strong

Turb: ☐ None ☐ Slight ☒ Mod ☐ Strong

Well Integrity	Yes	No
Well has ID sign	✓	
Casing locked/secure	✓	
Well cap fits securely.	✓	
Good seal/drainage	✓	
Well has weep holes	✓	

BOTTLE INFORMATION:

Unfiltered	
Qty	Bottles
	VOAs (C,V, 40mL, HCL)
	VOAS (C,V, 40mL)
	Organics (A,G,U 1000mL)
	Organics (A,G,U 500mL)
	TOC (A,V 40mL, H2SO4)
	TOX (A,G 250mL, H2SO4)
1	Metals (P,250mL, HNO3)
1	Cyanide (P, 250mL, NaOH)
	Phenols (A,G,250mL, H2SO4)
1	General (P, ~~250~~ 500mL)

Filtered	
Qty	Bottles
1	Metals (P,250mL, HNO3)
1	Ammonia (P,250mL, H2S04)
1	General (P,500mL)

Comments

Sampler's Signature:

Coffeen

WELL/SAMPLE POINT G200 **Purge Method:** Bladder

Date: 2nd 7/16/23 Start Time: 1200 Finish/Sample Time: 1300

Well Depth (Bottom) From MP: 20.20 ft Min. Purge Volume: 1.5 Gal / L

Depth to Water From MP: 2.71 ft Total Purge Volume: 1.8 Gal / L

Total Drawdown: 0.0 ft

Reading	Time	Depth	Flow Rate	pH	Spec Cond	Temp	ORP	DO	Turb
(Units)		(ft.)	(mL/min)	(s.u.)	(umhos/cm)	(deg C)	(mV)	(mg/L)	(NTU)
1	12 16	2.71	100	6.67	899	7.71	137	4.64	464
2	12 17	2.71	100	6.65	899	7.80	130	4.60	466
3	12 18	2.71	100	6.65	902	7.82	126	4.55	388
4									
5									
Stabilization	NA	NA	NA	± 0.2	± 3%	± 0.2	± 20	± 10% or 0.2	NA

Field Meter: Horiba

Sample Appearance:

Odor: ☒ None ☐ Slight ☐ Mod. ☐ Strong

Color ☐ None ☒ Slight ☐ Mod. ☐ Strong

Turb: ☐ None ☒ Slight ☐ Mod ☐ Strong

Well Integrity	Yes	No
Well has ID sign	X	
Casing locked/secure	X	
Well cap fits securely.	X	
Good seal/drainage	X	
Well has weep holes	X	

BOTTLE INFORMATION:

Unfiltered	
Qty	Bottles
	VOAs (C,V, 40mL, HCL)
	VOAS (C,V, 40mL)
	Organics (A,G,U 1000mL)
	Organics (A,G,U 500mL)
	TOC (A,V 40mL, H2SO4)
	TOX (A,G 250mL, H2SO4)
1	Metals (P,250mL, HNO3)
1	Cyanide (P, 250mL, NaOH)
1	Phenols (A,G,250mL, H2SO4)
	General (P, 250 mL)
1 1	2L HCl

7

Filtered	
Qty	Bottles
1	Metals (P,250mL, HNO3)
	Ammonia (P,250mL, H2S04)
1	General (P,500mL)

Comments

Sampler's Signature: Joseph R Rad

Coffeen

WELL/SAMPLE POINT R201 **Purge Method:** submersible

Date: 2/16/23 Start Time: 905 Finish/Sample Time: 1005

Well Depth (Bottom) From MP: 19.80 ft Min. Purge Volume: 1.5 Gal / L

Depth to Water From MP: 2.78 ft Total Purge Volume: 1.8 Gal / L

End DTW 5.11

Total Drawdown: JR 5.11 ~~5.~~ 2.33 ft

Reading	Time	Depth	Flow Rate	pH	Spec Cond	Temp	ORP	DO	Turb
(Units)		(ft.)	(mL/min)	(s.u.)	(umhos/cm)	(deg C)	(mV)	(mg/L)	(NTU)
1	923	3.01	100	7.20	1176.6	8.60	-11	2.50	4.7
2	924	3.25	100	7.14	1175.1	8.51	-14	2.48	4.9
3	925	3.53	100	7.09	1175.0	8.48	-15	2.45	5.1
4									
5									
Stabilization	NA	NA	NA	± 0.2	± 3%	± 0.2	± 20	± 10% or 0.2	NA

Field Meter: AT 600

Sample Appearance:

Odor: ☒ None ☐ Slight ☐ Mod. ☐ Strong

Color ☒ None ☐ Slight ☐ Mod. ☐ Strong

Turb: ☒ None ☐ Slight ☐ Mod ☐ Strong

Well Integrity	Yes	No
Well has ID sign	X	
Casing locked/secure	X	
Well cap fits securely.	X	
Good seal/drainage	X	
Well has weep holes	X	

BOTTLE INFORMATION:

Unfiltered	
Qty	Bottles
	VOAs (C,V, 40mL, HCL)
	VOAS (C,V, 40mL)
	Organics (A,G,U 1000mL)
	Organics (A,G,U 500mL)
	TOC (A,V 40mL, H2SO4)
	TOX (A,G 250mL, H2SO4)
1	Metals (P,250mL, HNO3)
1	Cyanide (P, 250mL, NaOH)
1	Phenols (A,G,250mL, H2SO4)
	General (P, 250 mL)
1	2 HCl

6

Filtered	
Qty	Bottles
1	Metals (P,250mL, HNO3)
	Ammonia (P,250mL, H2S04)
1	General (P,500mL)

Comments well has bladder pump w/broken air line

Sampler's Signature: Joseph R Reed

Coffeen

WELL/SAMPLE POINT L203 **Purge Method:** pump

Date: 2/15/2023 Start Time: 1308 Finish/Sample Time: 1316

Well Depth (Bottom) From MP: ~ ft Min. Purge Volume: ~ Gal / L

Depth to Water From MP: 5.75 ft Total Purge Volume: ~ Gal / L

Total Drawdown: ~ ft

Reading	Time	Depth	Flow Rate	pH	Spec Cond	Temp	ORP	DO	Turb
(Units)		(ft.)	(mL/min)	(s.u.)	(umhos/cm)	(deg C)	(mV)	(mg/L)	(NTU)
1	1311	5.75	~	11.52	15200	20.39	-74	1.72	19.0
2									
3									
4									
5									
Stabilization	NA	NA	NA	± 0.2	± 3%	± 0.2	± 20	± 10% or 0.2	NA

Field Meter: Horiba

Sample Appearance:

Odor: ☐ None ☒ Slight ☐ Mod. ☐ Strong

Color ☐ None ☒ Slight ☐ Mod. ☐ Strong

Turb: ☐ None ☒ Slight ☐ Mod ☐ Strong

Well Integrity	Yes	No
Well has ID sign		✓
Casing locked/secure		✓
Well cap fits securely.		✓
Good seal/drainage		✓
Well has weep holes		✓

BOTTLE INFORMATION:

(2)

Unfiltered	
Qty	Bottles
	VOAs (C,V, 40mL, HCL)
	VOAS (C,V, 40mL)
	Organics (A,G,U 1000mL)
	Organics (A,G,U 500mL)
	TOC (A,V 40mL, H2SO4)
	TOX (A,G 250mL, H2SO4)
1	Metals (P,250mL, HNO3)
	Cyanide (P, 250mL, NaOH)
	Phenols (A,G,250mL, H2SO4)
1	General (P, ~~250 mL~~) 500mL

Filtered	
Qty	Bottles
	Metals (P,250mL, HNO3)
	Ammonia (P,250mL, H2S04)
	General (P,500mL)

Comments

Sampler's Signature:

Multiparameter Meter Field Calibration Checklist

Field Personnel:	Austin Moore	Location:	Coffeen
Weather:	55°-37° cloudy/rain wind SE 13 mph	Environment:	Rain, muddy grass
Multiparameter Water Meter	Make: Horriba	Model: U-5000	Serial Number: PW2GY7D3
Water Level Meter	Make: WT	Model: Heron	Serial Number: 111F220930ML

Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	3.92	s.u.	±0.1 s.u.	P	N	N/A	MSI	L344-09	12/14/2023
pH 7.00a	6.98	s.u.	±0.1 s.u.				MSI	L343-07	12/9/2023
pH 10.00a	10.03	s.u.	±0.1 s.u.				MSI	M082-04	3/25/2024
SC Zero (DI)	0	µS/cm	0<25 µS/cm				Pace Labs	N/A (DI)	N/A (DI)
SC 2000	2010	µS/cm	±5%				Geotech	2GE1442	May-23
ORP	239	mV	±15 mV				InSitu	2G1762	Jun-23
DO (Zero pt)	0.08	mg/L	±0.1				Macron	#000228049	8/26/2025
DO (Saturated)		%	97-100%				Pace Labs	N/A (DI)	N/A (DI)
Turbidity (DI)	0.0	NTU	<2 NTU				Pace Labs	N/A (DI)	N/A (DI)

Approx. every 4 hrs, unless only one well

ICV (Initial Calibration Verification) Time: 0829

Buffer	Check Value	Units	Range	Pass/Fail	Action Taken?	Manufacturer	Lot#	Exp.
pH 4.00b	3.97	s.u.	±0.15 s.u.	P	N	Geotech	2GC243	Mar-24
pH 7.00b	7.04	s.u.	±0.15 s.u.			Geotech	2GC931	Mar-24
pH 10.00b	10.09	s.u.	±0.15 s.u.			Geotech	2GE820	May-24
SC 1000	983	µS/cm	±5%			Ricca	4205H64	May-24

Approx. every 4 hrs, unless only one well

CCV (Continued Calibration Verification): Time: 0952

Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	4.03	s.u.	±0.1 s.u.	P	N	N/A	MSI	L315-04	11/22/2023
pH 7.00a	7.06	s.u.	±0.1 s.u.				MSI	L172-33	6/23/2023
pH 10.00a	10.03	s.u.	±0.1 s.u.				MSI	L354-22	1/5/2024
SC 1000	1023	µS/cm	±5%				Ricca	2108D48	Jul-23
DO (Zero pt)	0.07	mg/L	±0.1 mg/L				Macron	#000228049	8/26/2025
Turbidity (DI)	0.0	NTU	<2 NTU				Pace Labs	N/A (DI)	N/A (DI)

Approx. every 4 hrs, unless only one well

CCV (Continued Calibration Verification): Time:

Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
4.00a		s.u.	±0.1 s.u.				MSI	L315-04	11/22/2023
7.00a		s.u.	±0.1 s.u.				MSI	L172-33	6/23/2023
10.00a		s.u.	±0.1 s.u.				MSI	L354-22	1/5/2024
SC 1000		µS/cm	±5%				Ricca	2108D48	Jul-23
DO (Zero pt)		mg/L	±0.1 mg/L				Macron	#000228049	8/26/2025
Turbidity (DI)		NTU	<2 NTU				Pace Labs	N/A (DI)	N/A (DI)

Comments:

Signature:	Austin Moore	Date:	14-Feb-23

Multiparameter Meter Field Calibration Checklist

Field Personnel:	Joe Reed	Location:	Coffeen Power Plant
Weather:	Rain 47-53°F wind 10-20 mph	Environment:	Wet swampy
Multiparameter Water Meter	Make: Aquatroll	Model: 600	Serial Number: 762193
Water Level Meter	Make: Solinst	Model: 101	Serial Number: 336216

Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	4.03	s.u.	±0.1 s.u.	P	N		MSI	L344-09	12/14/2023
pH 7.00a	7.02	s.u.	±0.1 s.u.				MSI	L343-07	12/9/2023
pH 10.00a	9.94	s.u.	±0.1 s.u.				MSI	M082-04	3/25/2024
SC Zero (DI)	0.5	µS/cm	0<25 µS/cm				Pace Labs	N/A (DI)	N/A (DI)
SC 2000	2019	µS/cm	±5%				Geotech	2GE1442	May-23
ORP	243 @ 10°C	mV	±15 mV				InSitu	2G1762	Jun-23
DO (Zero pt)	0.05	mg/L	±0.1				Macron	#000228049	8/26/2025
DO (Saturated)	98.7	%	97-100%				Pace Labs	N/A (DI)	N/A (DI)
Turbidity (DI)	0.1	NTU	<2 NTU				Pace Labs	N/A (DI)	N/A (DI)

Approx. every 4 hrs, unless only one well

ICV (Initial Calibration Verification) — Time: 915

Buffer	Check Value	Units	Range	Pass/Fail	Action Taken?	Manufacturer	Lot#	Exp.
pH 4.00b	4.01	s.u.	±0.15 s.u.	P	N	Geotech	2GC243	Mar-24
pH 7.00b	6.99	s.u.	±0.15 s.u.			Geotech	2GC931	Mar-24
pH 10.00b	10.01	s.u.	±0.15 s.u.			Geotech	2GE820	May-24
SC 1000	1019	µS/cm	±5%			Ricca	4205H64	May-24

Approx. every 4 hrs, unless only one well

CCV (Continued Calibration Verification): — Time: 1637

Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	4.05	s.u.	±0.1 s.u.	P	N		MSI	L315-04	11/22/2023
pH 7.00a	7.02	s.u.	±0.1 s.u.				MSI	L172-33	6/23/2023
pH 10.00a	10.06	s.u.	±0.1 s.u.				MSI	L354-22	1/5/2024
SC 1000	1010	µS/cm	±5%				Ricca	2108D48	Jul-23
DO (Zero pt)	0.05	mg/L	±0.1 mg/L				Macron	#000228049	8/26/2025
Turbidity (DI)	0.0	NTU	<2 NTU				Pace Labs	N/A (DI)	N/A (DI)

Approx. every 4 hrs, unless only one well

CCV (Continued Calibration Verification): — Time:

Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
4.00a		s.u.	±0.1 s.u.				MSI	L315-04	11/22/2023
7.00a		s.u.	±0.1 s.u.				MSI	L172-33	6/23/2023
10.00a		s.u.	±0.1 s.u.				MSI	L354-22	1/5/2024
SC 1000		µS/cm	±5%				Ricca	2108D48	Jul-23
DO (Zero pt)		mg/L	±0.1 mg/L				Macron	#000228049	8/26/2025
Turbidity (DI)		NTU	<2 NTU				Pace Labs	N/A (DI)	N/A (DI)

Comments:

Signature: Joseph R Reed — Date: 2/14/2023

Multiparameter Meter Field Calibration Checklist

Field Personnel:	Kyle Lane	Location:	Coffeen Power
Weather:	48° rainy WIND	Environment:	wet, muddy

Multiparameter Water Meter	Make: Horiba	Model: U-5000	Serial Number:	U4U1EVTF	
Water Level Meter	Make: Heron	Model: water tape	Serial Number:	19FF2111192HB	

Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	4.08	s.u.	±0.1 s.u.	P	Na	Na	MSI	L344-09	12/14/2023
pH 7.00a	7.09	s.u.	±0.1 s.u.				MSI	L343-07	12/9/2023
pH 10.00a	10.08	s.u.	±0.1 s.u.				MSI	M082-04	3/25/2024
SC Zero (DI)	23.12	µS/cm	0<25 µS/cm				Pace Labs	N/A (DI)	N/A (DI)
SC 2000	2,025	µS/cm	±5%				Geotech	2GE1442	May-23
ORP	236	mV	±15 mV				InSitu	2G1762	Jun-23
DO (Zero pt)	0.02	mg/L	±0.1				Macron	#000228049	8/26/2025
DO (Saturated)	98.46	%	97-100%				Pace Labs	N/A (DI)	N/A (DI)
Turbidity (DI)	1.31	NTU	<2 NTU				Pace Labs	N/A (DI)	N/A (DI)

Approx. every 4 hrs, unless only one well

ICV (Initial Calibration Verification) — Time: 10:21

Buffer	Check Value	Units	Range	Pass/Fail	Action Taken?	Manufacturer	Lot#	Exp.
pH 4.00b	3.99	s.u.	±0.15 s.u.	P	Na	Geotech	2GC243	Mar-24
pH 7.00b	6.98	s.u.	±0.15 s.u.			Geotech	2GC931	Mar-24
pH 10.00b	9.91	s.u.	±0.15 s.u.			Geotech	2GE820	May-24
SC 1000	1,048	µS/cm	±5%			Ricca	4205H64	May-24

Approx. every 4 hrs, unless only one well

CCV (Continued Calibration Verification): — Time: X

Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	X	s.u.	±0.1 s.u.	X	X	X	MSI	L315-04	11/22/2023
pH 7.00a		s.u.	±0.1 s.u.				MSI	L172-33	6/23/2023
pH 10.00a		s.u.	±0.1 s.u.				MSI	L354-22	1/5/2024
SC 1000		µS/cm	±5%				Ricca	2108D48	Jul-23
DO (Zero pt)		mg/L	±0.1 mg/L				Macron	#000228049	8/26/2025
Turbidity (DI)		NTU	<2 NTU				Pace Labs	N/A (DI)	N/A (DI)

Approx. every 4 hrs, unless only one well

CCV (Continued Calibration Verification): — Time: 16:47

Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
4.00a	4.08	s.u.	±0.1 s.u.	P	Na	Na	MSI	L315-04	11/22/2023
7.00a	7.05	s.u.	±0.1 s.u.				MSI	L172-33	6/23/2023
10.00a	10.00	s.u.	±0.1 s.u.				MSI	L354-22	1/5/2024
SC 1000	1040	µS/cm	±5%				Ricca	2108D48	Jul-23
DO (Zero pt)	0.04	mg/L	±0.1 mg/L				Macron	#000228049	8/26/2025
Turbidity (DI)	1.48	NTU	<2 NTU				Pace Labs	N/A (DI)	N/A (DI)

Comments: Na

Signature: [signature] Date: 2-14-23

Multiparameter Meter Field Calibration Checklist

Field Personnel:	Aaron Pemberton	Location:	Coffeen
Weather:	46°-54° rain cloudy Wind SE 10mph	Environment:	grass, gravel, mud
Multiparameter Water Meter	Make: Horiba	Model: U-5000	Serial Number: YL9H59HA
Water Level Meter	Make: Heron	Model: Dipper T	Serial Number: 3717-7

Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	4.08	s.u.	±0.1 s.u.	P	NO	N/A	MSI	L344-09	12/14/2023
pH 7.00a	7.01	s.u.	±0.1 s.u.				MSI	L343-07	12/9/2023
pH 10.00a	10.00	s.u.	±0.1 s.u.				MSI	M082-04	3/25/2024
SC Zero (DI)	10.0	µS/cm	0<25 µS/cm				Pace Labs	N/A (DI)	N/A (DI)
SC 2000	2060	µS/cm	±5%				Geotech	2GE1442	May-23
ORP	248	mV	±15 mV				InSitu	2G1762	Jun-23
DO (Zero pt)	0.09	mg/L	±0.1				Macron	#000228049	8/26/2025
DO (Saturated)	98.9	%	97-100%				Pace Labs	N/A (DI)	N/A (DI)
Turbidity (DI)	0.0	NTU	<2 NTU				Pace Labs	N/A (DI)	N/A (DI)

Approx. every 4 hrs, unless only one well

242 @ 15°C

ICV (Initial Calibration Verification) Time: 9:00

Buffer	Check Value	Units	Range	Pass/Fail	Action Taken?	Manufacturer	Lot#	Exp.
pH 4.00b	4.02	s.u.	±0.15 s.u.	P	N/A	Geotech	2GC243	Mar-24
pH 7.00b	6.87	s.u.	±0.15 s.u.			Geotech	2GC931	Mar-24
pH 10.00b	10.01	s.u.	±0.15 s.u.			Geotech	2GE820	May-24
SC 1000	1020	µS/cm	±5%			Ricca	4205H64	May-24

Approx. every 4 hrs, unless only one well

CCV (Continued Calibration Verification): Time: 1700

Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	4.02	s.u.	±0.1 s.u.	P	NO	N/A	MSI	L315-04	11/22/2023
pH 7.00a	7.04	s.u.	±0.1 s.u.				MSI	L172-33	6/23/2023
pH 10.00a	10.06	s.u.	±0.1 s.u.				MSI	L354-22	1/5/2024
SC 1000	1020	µS/cm	±5%				Ricca	2108D48	Jul-23
DO (Zero pt)	0.09	mg/L	±0.1 mg/L				Macron	#000228049	8/26/2025
Turbidity (DI)	0.0	NTU	<2 NTU				Pace Labs	N/A (DI)	N/A (DI)

Approx. every 4 hrs, unless only one well

CCV (Continued Calibration Verification): Time:

Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
4.00a		s.u.	±0.1 s.u.				MSI	L315-04	11/22/2023
7.00a		s.u.	±0.1 s.u.				MSI	L172-33	6/23/2023
10.00a		s.u.	±0.1 s.u.				MSI	L354-22	1/5/2024
SC 1000		µS/cm	±5%				Ricca	2108D48	Jul-23
DO (Zero pt)		mg/L	±0.1 mg/L				Macron	#000228049	8/26/2025
Turbidity (DI)		NTU	<2 NTU				Pace Labs	N/A (DI)	N/A (DI)

Comments:

Signature: [signature] Date: 2/14/2023

Multiparameter Meter Field Calibration Checklist

Field Personnel:	Kyle Lane	Location:	Coffeen
Weather:	48° sunny	Environment:	Wet muddy
Multiparameter Water Meter	Make: ~~Horiba~~	Model: V-5000	Serial Number: VHV1FV4F
Water Level Meter	Make: Heron	Model: Water tape	Serial Number: 19FF2111192HB

Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	4.06	s.u.	±0.1 s.u.	P	N/a	N/a	MSI	L344-09	12/14/2023
pH 7.00a	7.09	s.u.	±0.1 s.u.				MSI	L343-07	12/9/2023
pH 10.00a	10.04	s.u.	±0.1 s.u.				MSI	M082-04	3/25/2024
SC Zero (DI)	22.19	µS/cm	0<25 µS/cm				Pace Labs	N/A (DI)	N/A (DI)
SC 2000	2234	µS/cm	±5%				Geotech	2GE1442	May-23
ORP	234	mV	±15 mV				InSitu	2G1762	Jun-23
DO (Zero pt)	0.04	mg/L	±0.1				Macron	#000228049	8/26/2025
DO (Saturated)	98.36	%	97-100%				Pace Labs	N/A (DI)	N/A (DI)
Turbidity (DI)	1.20	NTU	<2 NTU				Pace Labs	N/A (DI)	N/A (DI)

Approx. every 4 hrs, unless only one well

ICV (Initial Calibration Verification) — Time: 08:46

Buffer	Check Value	Units	Range	Pass/Fail	Action Taken?	Manufacturer	Lot#	Exp.
pH 4.00b	4.01	s.u.	±0.15 s.u.	P	N/a	Geotech	2GC243	Mar-24
pH 7.00b	6.98	s.u.	±0.15 s.u.			Geotech	2GC931	Mar-24
pH 10.00b	9.99	s.u.	±0.15 s.u.			Geotech	2GE820	May-24
SC 1000	1043	µS/cm	±5%			Ricca	4205H64	May-24

Approx. every 4 hrs, unless only one well

CCV (Continued Calibration Verification): — Time: X

Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a		s.u.	±0.1 s.u.				MSI	L315-04	11/22/2023
pH 7.00a		s.u.	±0.1 s.u.				MSI	L172-33	6/23/2023
pH 10.00a		s.u.	±0.1 s.u.				MSI	L354-22	1/5/2024
SC 1000		µS/cm	±5%				Ricca	2108D48	Jul-23
DO (Zero pt)		mg/L	±0.1 mg/L				Macron	#000228049	8/26/2025
Turbidity (DI)		NTU	<2 NTU				Pace Labs	N/A (DI)	N/A (DI)

Approx. every 4 hrs, unless only one well

CCV (Continued Calibration Verification): — Time: 17:20

Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
4.00a	4.04	s.u.	±0.1 s.u.	P	N/a	N/a	MSI	L315-04	11/22/2023
7.00a	7.06	s.u.	±0.1 s.u.				MSI	L172-33	6/23/2023
10.00a	10.09	s.u.	±0.1 s.u.				MSI	L354-22	1/5/2024
SC 1000	1029	µS/cm	±5%				Ricca	2108D48	Jul-23
DO (Zero pt)	0.01	mg/L	±0.1 mg/L				Macron	#000228049	8/26/2025
Turbidity (DI)	1.41	NTU	<2 NTU				Pace Labs	N/A (DI)	N/A (DI)

Comments: N/a

Signature: [signature] Date: ~~1-5~~ 2-15-23

Multiparameter Meter Field Calibration Checklist

Field Personnel:	Austin Moore	Location:	Coffeen
Weather:	55-43 sunny wind WSW 13 mph	Environment:	muddy, gas
Multiparameter Water Meter	Make: Horiba	Model: U-5000	Serial Number: PW26YJD3
Water Level Meter	Make: WT	Model: Heron	Serial Number: IIFF220930SML

Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	3.91	s.u.	±0.1 s.u.	P	N	N/A	MSI	L344-09	12/14/2023
pH 7.00a	6.97	s.u.	±0.1 s.u.				MSI	L343-07	12/9/2023
pH 10.00a	10.00	s.u.	±0.1 s.u.				MSI	M082-04	3/25/2024
SC Zero (DI)	0	µS/cm	0<25 µS/cm				Pace Labs	N/A (DI)	N/A (DI)
SC 2000	2090	µS/cm	±5%				Geotech	2GE1442	May-23
ORP	253	mV	±15 mV				InSitu	2G1762	Jun-23
DO (Zero pt)	0.08	mg/L	±0.1				Macron	#000228049	8/26/2025
DO (Saturated)		%	97-100%				Pace Labs	N/A (DI)	N/A (DI)
Turbidity (DI)	0.0	NTU	<2 NTU				Pace Labs	N/A (DI)	N/A (DI)

Approx. every 4 hrs, unless only one well

ICV (Initial Calibration Verification) Time: 0849

Buffer	Check Value	Units	Range	Pass/Fail	Action Taken?	Manufacturer	Lot#	Exp.
pH 4.00b	3.98	s.u.	±0.15 s.u.	P	N	Geotech	2GC243	Mar-24
pH 7.00b	7.03	s.u.	±0.15 s.u.			Geotech	2GC931	Mar-24
pH 10.00b	10.06	s.u.	±0.15 s.u.			Geotech	2GE820	May-24
SC 1000	1029	µS/cm	±5%			Ricca	4205H64	May-24

Approx. every 4 hrs, unless only one well

CCV (Continued Calibration Verification): Time: 1510

Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	4.01	s.u.	±0.1 s.u.				MSI	L315-04	11/22/2023
pH 7.00a	7.04	s.u.	±0.1 s.u.				MSI	L172-33	6/23/2023
pH 10.00a	10.03	s.u.	±0.1 s.u.				MSI	L354-22	1/5/2024
SC 1000	1020	µS/cm	±5%				Ricca	2108D48	Jul-23
DO (Zero pt)	0.07	mg/L	±0.1 mg/L				Macron	#000228049	8/26/2025
Turbidity (DI)	0.0	NTU	<2 NTU				Pace Labs	N/A (DI)	N/A (DI)

Approx. every 4 hrs, unless only one well

CCV (Continued Calibration Verification): Time:

Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
4.00a		s.u.	±0.1 s.u.				MSI	L315-04	11/22/2023
7.00a		s.u.	±0.1 s.u.				MSI	L172-33	6/23/2023
10.00a		s.u.	±0.1 s.u.				MSI	L354-22	1/5/2024
SC 1000		µS/cm	±5%				Ricca	2108D48	Jul-23
DO (Zero pt)		mg/L	±0.1 mg/L				Macron	#000228049	8/26/2025
Turbidity (DI)		NTU	<2 NTU				Pace Labs	N/A (DI)	N/A (DI)

Comments:

Signature:	Austin Moore	Date:	15-Feb-23

Multiparameter Meter Field Calibration Checklist

Field Personnel:	David Escamilla	Location:	Coffeen Power Plant
Weather:	46-54°, Sunny, 13mph WSW	Environment:	Gravel Roads
Multiparameter Water Meter	Make:	Model:	Serial Number: 16L86944
Water Level Meter	Make:	Model:	Serial Number: 19FF2111015HB

Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	4.00	s.u.	±0.1 s.u.	P	N	N/A	MSI	L344-09	12/14/2023
pH 7.00a	6.95	s.u.	±0.1 s.u.				MSI	L343-07	12/9/2023
pH 10.00a	10.08	s.u.	±0.1 s.u.				MSI	M082-04	3/25/2024
SC Zero (DI)	24.31	µS/cm	0<25 µS/cm				Pace Labs	N/A (DI)	N/A (DI)
SC 2000	2028.7	µS/cm	±5%				Geotech	2GE1442	May-23
ORP @ 14°	244.8	mV	±15 mV				InSitu	2G1762	Jun-23
DO (Zero pt)	0.08	mg/L	±0.1				Macron	#000228049	8/26/2025
DO (Saturated)	94.53	%	97-100%	F	Y	100.00	Pace Labs	N/A (DI)	N/A (DI)
Turbidity (DI)	0.55	NTU	<2 NTU	P	N	N/A	Pace Labs	N/A (DI)	N/A (DI)

Approx. every 4 hrs, unless only one well

ICV (Initial Calibration Verification) — Time: 8:46

Buffer	Check Value	Units	Range	Pass/Fail	Action Taken?	Manufacturer	Lot#	Exp.
pH 4.00b	3.90	s.u.	±0.15 s.u.	P	N/A	Geotech	2GC243	Mar-24
pH 7.00b	6.87	s.u.	±0.15 s.u.			Geotech	2GC931	Mar-24
pH 10.00b	9.91	s.u.	±0.15 s.u.			Geotech	2GE820	May-24
SC 1000	1032.2	µS/cm	±5%			Ricca	4205H64	May-24

Approx. every 4 hrs, unless only one well

CCV (Continued Calibration Verification): — Time: 14:50

Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	4.07	s.u.	±0.1 s.u.	P	N	N/A	MSI	L315-04	11/22/2023
pH 7.00a	7.09	s.u.	±0.1 s.u.				MSI	L172-33	6/23/2023
pH 10.00a	10.03	s.u.	±0.1 s.u.				MSI	L354-22	1/5/2024
SC 1000	1016.53	µS/cm	±5%				Ricca	2108D48	Jul-23
DO (Zero pt)	0.10	mg/L	±0.1 mg/L				Macron	#000228049	8/26/2025
Turbidity (DI)	0.21	NTU	<2 NTU				Pace Labs	N/A (DI)	N/A (DI)

Approx. every 4 hrs, unless only one well

CCV (Continued Calibration Verification): — Time:

Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
4.00a	4.10	s.u.	±0.1 s.u.	P	N	N/A	MSI	L315-04	11/22/2023
7.00a	7.09	s.u.	±0.1 s.u.				MSI	L172-33	6/23/2023
10.00a	10.04	s.u.	±0.1 s.u.				MSI	L354-22	1/5/2024
SC 1000	1021.61	µS/cm	±5%				Ricca	2108D48	Jul-23
DO (Zero pt)	0.07	mg/L	±0.1 mg/L				Macron	#000228049	8/26/2025
Turbidity (DI)	0.09	NTU	<2 NTU				Pace Labs	N/A (DI)	N/A (DI)

Comments:

Signature: [signature] Date: 2/15/23

Multiparameter Meter Field Calibration Checklist

Field Personnel:	Aaron Pemberton	Location:	coffeen
Weather:	46°-55°F Sunny Wind SW 12 mph	Environment:	grass, mud gravel

Multiparameter Water Meter	Make: Horiba	Model: U-5000	Serial Number:	YL9K5914A	
Water Level Meter	Make: Heron	Model: Dipper T	Serial Number:	3717-T	

Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	4.01	s.u.	±0.1 s.u.	P	NO	N/A	MSI	L344-09	12/14/2023
pH 7.00a	6.62	s.u.	±0.1 s.u.				MSI	L343-07	12/9/2023
pH 10.00a	9.65	s.u.	±0.1 s.u.				MSI	M082-04	3/25/2024
SC Zero (DI)	17.0	µS/cm	0<25 µS/cm				Pace Labs	N/A (DI)	N/A (DI)
SC 2000	1980	µS/cm	±5%				Geotech	2GE1442	May-23
ORP	230	mV	±15 mV				InSitu	2G1762	Jun-23
DO (Zero pt)	0.09	mg/L	±0.1				Macron	#000228049	8/26/2025
DO (Saturated)	~~0.09 98.6~~	%	97-100%				Pace Labs	N/A (DI)	N/A (DI)
Turbidity (DI)	0.0	NTU	<2 NTU	—		—	Pace Labs	N/A (DI)	N/A (DI)

Approx. every 4 hrs, unless only one well

242 @ 15°C

ICV (Initial Calibration Verification) Time: 0900

Buffer	Check Value	Units	Range	Pass/Fail	Action Taken?	Manufacturer	Lot#	Exp.
pH 4.00b	4.04	s.u.	±0.15 s.u.	P	N/A	Geotech	2GC243	Mar-24
pH 7.00b	6.87	s.u.	±0.15 s.u.			Geotech	2GC931	Mar-24
pH 10.00b	9.97	s.u.	±0.15 s.u.			Geotech	2GE820	May-24
SC 1000	1030	µS/cm	±5%			Ricca	4205H64	May-24

Approx. every 4 hrs, unless only one well

CCV (Continued Calibration Verification): Time: 1630

Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	4.07	s.u.	±0.1 s.u.	P	NO	N/A	MSI	L315-04	11/22/2023
pH 7.00a	6.96	s.u.	±0.1 s.u.				MSI	L172-33	6/23/2023
pH 10.00a	9.95	s.u.	±0.1 s.u.				MSI	L354-22	1/5/2024
SC 1000	977	µS/cm	±5%				Ricca	2108D48	Jul-23
DO (Zero pt)	0.08	mg/L	±0.1 mg/L				Macron	#000228049	8/26/2025
Turbidity (DI)	0.0	NTU	<2 NTU	—			Pace Labs	N/A (DI)	N/A (DI)

Approx. every 4 hrs, unless only one well

CCV (Continued Calibration Verification): Time:

Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
4.00a		s.u.	±0.1 s.u.				MSI	L315-04	11/22/2023
7.00a		s.u.	±0.1 s.u.				MSI	L172-33	6/23/2023
10.00a		s.u.	±0.1 s.u.				MSI	L354-22	1/5/2024
SC 1000		µS/cm	±5%				Ricca	2108D48	Jul-23
DO (Zero pt)		mg/L	±0.1 mg/L				Macron	#000228049	8/26/2025
Turbidity (DI)		NTU	<2 NTU				Pace Labs	N/A (DI)	N/A (DI)

Comments:

Signature: [signature] Date: 2/15/2023

Multiparameter Meter Field Calibration Checklist

Field Personnel:	Austin Moore	Location:	Coffeen
Weather:	43°-28° cloudy Wind NE 6mph	Environment:	mud, grass

Multiparameter Water Meter	Make: Horiba	Model: U-5000	Serial Number:	PW2GYJD3	
Water Level Meter	Make: WT	Model: Heron	Serial Number:	IIFF220930SML	

Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	3.91	s.u.	±0.1 s.u.	P	N	N/A	MSI	L344-09	12/14/2023
pH 7.00a	6.96	s.u.	±0.1 s.u.				MSI	L343-07	12/9/2023
pH 10.00a	9.98	s.u.	±0.1 s.u.				MSI	M082-04	3/25/2024
SC Zero (DI)	0	µS/cm	0<25 µS/cm				Pace Labs	N/A (DI)	N/A (DI)
SC 2000	2010	µS/cm	±5%				Geotech	2GE1442	May-23
ORP	234	mV	±15 mV				InSitu	2G1762	Jun-23
DO (Zero pt)	0.08	mg/L	±0.1				Macron	#000228049	8/26/2025
DO (Saturated)	—	%	97-100%				Pace Labs	N/A (DI)	N/A (DI)
Turbidity (DI)	0.0	NTU	<2 NTU				Pace Labs	N/A (DI)	N/A (DI)

Approx. every 4 hrs, unless only one well

ICV (Initial Calibration Verification) — Time: 0836

Buffer	Check Value	Units	Range	Pass/Fail	Action Taken?	Manufacturer	Lot#	Exp.
pH 4.00b	3.96	s.u.	±0.15 s.u.	P	N	Geotech	2GC243	Mar-24
pH 7.00b	7.01	s.u.	±0.15 s.u.			Geotech	2GC931	Mar-24
pH 10.00b	10.03	s.u.	±0.15 s.u.			Geotech	2GE820	May-24
SC 1000	990	µS/cm	±5%			Ricca	4205H64	May-24

Approx. every 4 hrs, unless only one well

CCV (Continued Calibration Verification): — Time:

Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	3.98	s.u.	±0.1 s.u.				MSI	L315-04	11/22/2023
pH 7.00a	7.06	s.u.	±0.1 s.u.				MSI	L172-33	6/23/2023
pH 10.00a	10.09	s.u.	±0.1 s.u.				MSI	L354-22	1/5/2024
SC 1000	1030	µS/cm	±5%				Ricca	2108D48	Jul-23
DO (Zero pt)	0.06	mg/L	±0.1 mg/L				Macron	#000228049	8/26/2025
Turbidity (DI)	0.0	NTU	<2 NTU				Pace Labs	N/A (DI)	N/A (DI)

Approx. every 4 hrs, unless only one well

CCV (Continued Calibration Verification): — Time:

Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
4.00a		s.u.	±0.1 s.u.				MSI	L315-04	11/22/2023
7.00a		s.u.	±0.1 s.u.				MSI	L172-33	6/23/2023
10.00a		s.u.	±0.1 s.u.				MSI	L354-22	1/5/2024
SC 1000		µS/cm	±5%				Ricca	2108D48	Jul-23
DO (Zero pt)		mg/L	±0.1 mg/L				Macron	#000228049	8/26/2025
Turbidity (DI)		NTU	<2 NTU				Pace Labs	N/A (DI)	N/A (DI)

Comments:

Signature:	Austin Moore	Date:	16-Feb-23

Multiparameter Meter Field Calibration Checklist

Field Personnel:	Kyle Lane	Location:	Coffeen
Weather:	36° Cold Cloudy	Environment:	Wet Muddy

Multiparameter Water Meter	Make: HoriBa	Model: U-5000	Serial Number:	U4U1FV4F	
Water Level Meter	Make: Heron	Model: Water tape	Serial Number:	19FF211192HB	

Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	4.09	s.u.	±0.1 s.u.	P	NA	NA	MSI	L344-09	12/14/2023
pH 7.00a	7.08	s.u.	±0.1 s.u.				MSI	L343-07	12/9/2023
pH 10.00a	10.04	s.u.	±0.1 s.u.				MSI	M082-04	3/25/2024
SC Zero (DI)	24.9	µS/cm	0<25 µS/cm				Pace Labs	N/A (DI)	N/A (DI)
SC 2000	2026	µS/cm	±5%				Geotech	2GE1442	May-23
ORP	268	mV	±15 mV				InSitu	2G1762	Jun-23
DO (Zero pt)	0.03	mg/L	±0.1				Macron	#000228049	8/26/2025
DO (Saturated)	99.4	%	97-100%				Pace Labs	N/A (DI)	N/A (DI)
Turbidity (DI)	1.04	NTU	<2 NTU				Pace Labs	N/A (DI)	N/A (DI)

Approx. every 4 hrs, unless only one well

ICV (Initial Calibration Verification) — Time: 09:04

Buffer	Check Value	Units	Range	Pass/Fail	Action Taken?	Manufacturer	Lot#	Exp.
pH 4.00b	4.13	s.u.	±0.15 s.u.	P	NA	Geotech	2GC243	Mar-24
pH 7.00b	7.03	s.u.	±0.15 s.u.			Geotech	2GC931	Mar-24
pH 10.00b	9.95	s.u.	±0.15 s.u.			Geotech	2GE820	May-24
SC 1000	1041	µS/cm	±5%			Ricca	4205H64	May-24

Approx. every 4 hrs, unless only one well

CCV (Continued Calibration Verification): — Time: X

Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	X	s.u.	±0.1 s.u.	X	X	X	MSI	L315-04	11/22/2023
pH 7.00a		s.u.	±0.1 s.u.				MSI	L172-33	6/23/2023
pH 10.00a		s.u.	±0.1 s.u.				MSI	L354-22	1/5/2024
SC 1000		µS/cm	±5%				Ricca	2108D48	Jul-23
DO (Zero pt)		mg/L	±0.1 mg/L				Macron	#000228049	8/26/2025
Turbidity (DI)		NTU	<2 NTU				Pace Labs	N/A (DI)	N/A (DI)

Approx. every 4 hrs, unless only one well

CCV (Continued Calibration Verification): — Time: 15:25

Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
4.00a	4.01	s.u.	±0.1 s.u.	P	NA	NA	MSI	L315-04	11/22/2023
7.00a	7.07	s.u.	±0.1 s.u.				MSI	L172-33	6/23/2023
10.00a	9.94	s.u.	±0.1 s.u.				MSI	L354-22	1/5/2024
SC 1000	1011	µS/cm	±5%				Ricca	2108D48	Jul-23
DO (Zero pt)	9.06	mg/L	±0.1 mg/L				Macron	#000228049	8/26/2025
Turbidity (DI)	1.28	NTU	<2 NTU				Pace Labs	N/A (DI)	N/A (DI)

Comments: Na

Signature: [signature] Date: 2-16-23

Multiparameter Meter Field Calibration Checklist

Field Personnel:	Aaron Pemberton	Location:	Coffeen
Weather:	37°-43°F Cloudy Wind NE 6mph	Environment:	grass, mud, gravel
Multiparameter Water Meter	Make: Horiba Model: U-5000	Serial Number:	YLGKJ9HA
Water Level Meter	Make: Heron Model: Dipper T	Serial Number:	3217-T

Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	4.05	s.u.	±0.1 s.u.	P	NO	N/A	MSI	L344-09	12/14/2023
pH 7.00a	6.91	s.u.	±0.1 s.u.				MSI	L343-07	12/9/2023
pH 10.00a	9.97	s.u.	±0.1 s.u.				MSI	M082-04	3/25/2024
SC Zero (DI)	20.0	µS/cm	0<25 µS/cm				Pace Labs	N/A (DI)	N/A (DI)
SC 2000	1950	µS/cm	±5%				Geotech	2GE1442	May-23
ORP	251	mV	±15 mV				InSitu	2G1762	Jun-23
DO (Zero pt)	0.03	mg/L	±0.1				Macron	#000228049	8/26/2025
DO (Saturated)	99.2	%	97-100%				Pace Labs	N/A (DI)	N/A (DI)
Turbidity (DI)	0.0	NTU	<2 NTU				Pace Labs	N/A (DI)	N/A (DI)

Approx. every 4 hrs, unless only one well

249 @ 10°C

ICV (Initial Calibration Verification) Time: 0840

Buffer	Check Value	Units	Range	Pass/Fail	Action Taken?	Manufacturer	Lot#	Exp.
pH 4.00b	4.02	s.u.	±0.15 s.u.	P	N/A	Geotech	2GC243	Mar-24
pH 7.00b	6.85	s.u.	±0.15 s.u.			Geotech	2GC931	Mar-24
pH 10.00b	9.90	s.u.	±0.15 s.u.			Geotech	2GE820	May-24
SC 1000 0463	1413	µS/cm	±5%			Ricca	4205H64	May-24

Approx. every 4 hrs, unless only one well

CCV (Continued Calibration Verification): Time: 1522

Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	4.03	s.u.	±0.1 s.u.	P	NO	N/A	MSI	L315-04	11/22/2023
pH 7.00a	7.00	s.u.	±0.1 s.u.				MSI	L172-33	6/23/2023
pH 10.00a	10.01	s.u.	±0.1 s.u.				MSI	L354-22	1/5/2024
SC 1000	1010	µS/cm	±5%				Ricca	2108D48	Jul-23
DO (Zero pt)	0.09	mg/L	±0.1 mg/L				Macron	#000228049	8/26/2025
Turbidity (DI)	0.0	NTU	<2 NTU				Pace Labs	N/A (DI)	N/A (DI)

Approx. every 4 hrs, unless only one well

CCV (Continued Calibration Verification): Time:

Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
4.00a		s.u.	±0.1 s.u.				MSI	L315-04	11/22/2023
7.00a		s.u.	±0.1 s.u.				MSI	L172-33	6/23/2023
10.00a		s.u.	±0.1 s.u.				MSI	L354-22	1/5/2024
SC 1000		µS/cm	±5%				Ricca	2108D48	Jul-23
DO (Zero pt)		mg/L	±0.1 mg/L				Macron	#000228049	8/26/2025
Turbidity (DI)		NTU	<2 NTU				Pace Labs	N/A (DI)	N/A (DI)

Comments:

Signature:		Date:	2/16/2023

Multiparameter Meter Field Calibration Checklist

Field Personnel:	David Escanilla	Location:	Coffeen Power Plant
Weather:	37-43°, Cloudy, 6 mph NE	Environment:	Gravel Road
Multiparameter Water Meter	Make:	Model:	Serial Number: AT 486944
Water Level Meter	Make:	Model:	Serial Number: 19FF2111015HB

Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	3.88	s.u.	±0.1 s.u.	F	Y	4.00	MSI	L344-09	12/14/2023
pH 7.00a	6.95	s.u.	±0.1 s.u.			7.06	MSI	L343-07	12/9/2023
pH 10.00a	10.12	s.u.	±0.1 s.u.	↓	↓	10.08	MSI	M082-04	3/25/2024
SC Zero (DI)	20.56	µS/cm	0<25 µS/cm	P	N	N/A	Pace Labs	N/A (DI)	N/A (DI)
SC 2000	2022.4	µS/cm	±5%	P	N	N/A	Geotech	2GE1442	May-23
ORP @ 10°	255.6	mV	±15 mV	P	N	N/A	InSitu	2G1762	Jun-23
DO (Zero pt)	0.09	mg/L	±0.1	P	N	N/A	Macron	#000228049	8/26/2025
DO (Saturated)	106.05	%	97-100%	F	Y	100.00	Pace Labs	N/A (DI)	N/A (DI)
Turbidity (DI)	0.30	NTU	<2 NTU	P	N	N/A	Pace Labs	N/A (DI)	N/A (DI)

Approx. every 4 hrs, unless only one well

ICV (Initial Calibration Verification)

Time: 8:54

Buffer	Check Value	Units	Range	Pass/Fail	Action Taken?	Manufacturer	Lot#	Exp.
pH 4.00b	4.02	s.u.	±0.15 s.u.	P	No; N/A more	Geotech	2GC243	Mar-24
pH 7.00b	7.04	s.u.	±0.15 s.u.			Geotech	2GC931	Mar-24
pH 10.00b	10.03	s.u.	±0.15 s.u.			Geotech	2GE820	May-24
SC 1000	1016.8	µS/cm	±5%	↓	↓	Ricca	4205H64	May-24

Approx. every 4 hrs, unless only one well

CCV (Continued Calibration Verification):

Time: 15:18

Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	4.10	s.u.	±0.1 s.u.	P	N	N/A	MSI	L315-04	11/22/2023
pH 7.00a	7.06	s.u.	±0.1 s.u.				MSI	L172-33	6/23/2023
pH 10.00a	10.08	s.u.	±0.1 s.u.				MSI	L354-22	1/5/2024
SC 1000	1006.2	µS/cm	±5%				Ricca	2108D48	Jul-23
DO (Zero pt)	0.09	mg/L	±0.1 mg/L				Macron	#000228049	8/26/2025
Turbidity (DI)	0.87	NTU	<2 NTU	↓	↓	↓	Pace Labs	N/A (DI)	N/A (DI)

Approx. every 4 hrs, unless only one well

CCV (Continued Calibration Verification):

Time:

Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
4.00a		s.u.	±0.1 s.u.				MSI	L315-04	11/22/2023
7.00a		s.u.	±0.1 s.u.				MSI	L172-33	6/23/2023
10.00a		s.u.	±0.1 s.u.				MSI	L354-22	1/5/2024
SC 1000		µS/cm	±5%				Ricca	2108D48	Jul-23
DO (Zero pt)		mg/L	±0.1 mg/L				Macron	#000228049	8/26/2025
Turbidity (DI)		NTU	<2 NTU				Pace Labs	N/A (DI)	N/A (DI)

Comments:

Signature: [signature] Date: 2/16/23

Pace Analytical Services, LLC
2231 W. Altorfer Drive
Peoria, IL 61615
(800)752-6651

July 24, 2023

Brian Voelker
Vistra - Coffeen
1500 Eastport Plaza Drive
Collinsville, IL 62234

Dear Brian Voelker:

Please find enclosed the analytical results for the sample(s) the laboratory received. All testing is performed according to our current TNI accreditations unless otherwise noted. This report cannot be reproduced, except in full, without the written permission of Pace Analytical Services, LLC.

If you have any questions regarding your report, please contact your project manager. Quality and timely data is of the utmost importance to us.

Pace Analytical Services appreciates the opportunity to provide you with analytical expertise. We are always trying to improve our customer service and we welcome you to contact the General Manager, Lisa Grant, with any feedback you have about your experience with our laboratory at 309-683-1764 or lisa.grant@pacelabs.com.

Sincerely,

Gail J Schindler

Gail Schindler
Project Manager
(309) 692-9688 x1716
gail.schindler@pacelabs.com

Pace Analytical Services, LLC
2231 W. Altorfer Drive
Peoria, IL 61615
(800)752-6651

SAMPLE RECEIPT CHECK LIST

Items not applicable will be marked as in compliance

Work Order GF00140

YES	Samples received within temperature compliance when applicable
YES	COC present upon sample receipt
YES	COC completed & legible
YES	Sampler name & signature present
YES	Unique sample IDs assigned
YES	Sample collection location recorded
YES	Date & time collected recorded on COC
YES	Relinquished by client signature on COC
YES	COC & labels match
YES	Sample labels are legible
YES	Appropriate bottle(s) received
YES	Sufficient sample volume received
YES	Sample containers received undamaged
YES	Zero headspace, <6 mm present in VOA vials
YES	Trip blank(s) received
YES	All non-field analyses received within holding times
YES	Short hold time analysis
YES	Current PDC COC submitted
NO	Case narrative provided

Pace Analytical Services, LLC
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Work Order GF01285

YES	Samples received within temperature compliance when applicable
YES	COC present upon sample receipt
YES	COC completed & legible
YES	Sampler name & signature present
YES	Unique sample IDs assigned
YES	Sample collection location recorded
YES	Date & time collected recorded on COC
YES	Relinquished by client signature on COC
YES	COC & labels match
YES	Sample labels are legible
YES	Appropriate bottle(s) received
YES	Sufficient sample volume received
YES	Sample containers received undamaged
YES	Zero headspace, <6 mm present in VOA vials
YES	Trip blank(s) received
YES	All non-field analyses received within holding times
YES	Short hold time analysis
YES	Current PDC COC submitted
YES	Case narrative provided

Pace Analytical Services, LLC
2231 W. Altorfer Drive
Peoria, IL 61615
(800)752-6651

ANALYTICAL RESULTS

Sample: GF00140-04
Name: G110
Matrix: Ground Water - Grab

Sampled: 05/31/23 14:45
Received: 06/01/23 13:59
PO #: 1940007155

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Field - PIA									
Dissolved oxygen, Field	4.8	mg/L		05/31/23 14:45	1		05/31/23 14:45	FIELD	Field*
Oxidation Reduction Potential	167	mV		05/31/23 14:45	1	-500	05/31/23 14:45	FIELD	Field*
pH, Field Measured	6.86	pH Units		05/31/23 14:45	1		05/31/23 14:45	FIELD	Field*
Specific Conductance, Field Measured	833.0	umhos/cm		05/31/23 14:45	1		05/31/23 14:45	FIELD	Field*
Temperature, Field Measured	19.0	°C		05/31/23 14:45	1		05/31/23 14:45	FIELD	Field*
Turbidity, Field Measured	70.6	NTU		05/31/23 14:45	1	0.00	05/31/23 14:45	FIELD	Field*

Sample: GF01285-16
Name: G106
Matrix: Ground Water - Grab

Sampled: 06/07/23 12:15
Received: 06/07/23 16:16
PO #: 1940007155

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Field - PIA									
Dissolved oxygen, Field	1.2	mg/L		06/07/23 12:15	1		06/07/23 12:15	FIELD	Field*
Oxidation Reduction Potential	167	mV		06/07/23 12:15	1	-500	06/07/23 12:15	FIELD	Field*
pH, Field Measured	6.84	pH Units		06/07/23 12:15	1		06/07/23 12:15	FIELD	Field*
Specific Conductance, Field Measured	1010	umhos/cm		06/07/23 12:15	1		06/07/23 12:15	FIELD	Field*
Temperature, Field Measured	17.1	°C		06/07/23 12:15	1		06/07/23 12:15	FIELD	Field*
Turbidity, Field Measured	21.6	NTU		06/07/23 12:15	1	0.00	06/07/23 12:15	FIELD	Field*

Pace Analytical Services, LLC
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Peoria, IL 61615
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QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit

Pace Analytical Services, LLC
2231 W. Altorfer Drive
Peoria, IL 61615
(800)752-6651

NOTES

Specifications regarding method revisions, method modifications, and calculations used for analysis are available upon request. Please contact your project manager.

* Not a TNI accredited analyte

Certifications

CHI - McHenry, IL - 4314-A W. Crystal Lake Road, McHenry, IL 60050
TNI Accreditation for Drinking Water and Wastewater Fields of Testing through IL EPA Accreditation No. 100279
Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory Registry No. 17556

PIA - Peoria, IL - 2231 W. Altorfer Drive, Peoria, IL 61615
TNI Accreditation for Drinking Water, Wastewater, Solid and Hazardous Material Fields of Testing through IL EPA Accreditation No. 100230
Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory Registry No. 17553
Drinking Water Certifications/Accreditations: Iowa (240); Kansas (E-10338); Missouri (870)
Wastewater Certifications/Accreditations: Arkansas (88-0677); Iowa (240); Kansas (E-10338)
Solid and Hazardous Material Certifications/Accreditations: Arkansas (88-0677); Iowa (240); Kansas (E-10338)

SPMO - Springfield, MO - 1805 W Sunset Street, Springfield, MO 65807
USEPA DMR-QA Program

STL - Hazelwood, MO - 944 Anglum Rd, Hazelwood, MO 63042
TNI Accreditation for Wastewater, Solid and Hazardous Material Fields of Testing through KS KDHE Certification No. E-10389
TNI Accreditation for Wastewater, Solid and Hazardous Material Fields of Testing through IL EPA Accreditation No. - 200080
Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory, Registry No. 171050
Missouri Department of Natural Resources - Certificate of Approval for Microbiological Laboratory Service - No. 1050

Gail J Schindler

Certified by: Gail Schindler, Project Manager

GF00140
~~6-1-23~~
6-1-23

CHAIN-OF-CUSTODY / Analytical Request Document

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

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

REGULATORY AGENCY

NPDES | GROUND WATER | DRINKING WATER
UST | RCRA | OTHER

Site Location STATE: IL

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: COF_257_101	COF_257_102	COF_257_103	COF_257_104	COF_257_105	COF_811_105	COF_845_101	COF_845_102	COF_845_103	COF_845_104	COF_SUP_000	COF_WPCP_102	COF_WPCP_103_104	COF_WPCP_106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G214		G	6/1	1300		6																								
2	G111		G	6/1	1345		8																								
3	G310		G	6/1	1242		13																								
4	G312		G	6/1	1401		13																								
5	G279		G	6/1	1207		15																								
6	G277		G	6/1	1027		15																								
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-23Q2 Rev 1	Brendan Glennon	6/1	1645							
				Grace Jackson	6/1/23	16:45	24.2	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: Brendan Glennon
SIGNATURE of SAMPLER: Brendan Glennon
DATE Signed (MM/DD/YY): 06/01/23

GF00140
VMW 6-1-23

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
Address:	13498 E. 900th St
Email To:	Brian.Voelker@VistraCorp.com
Phone: (217) 753-8911	Fax:
Requested Due Date/TAT:	10 day

Section B Required Project Information:

Report To:	Brian Voelker
Copy To:	Jason Stuckey
Purchase Order No.:	
Project Name:	
Project Number:	2285

Section C Invoice Information:

Attention:	Jason Stuckey
Company Name:	Vistra Corp
Address:	see Section A
Quote Reference:	
Project Manager:	
Profile #:	

REGULATORY AGENCY

NPDES | GROUND WATER | DRINKING WATER
UST | RCRA | OTHER

Site Location STATE: IL

Section D Required Client Information

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

Valid Matrix Codes

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	COF_257_101	COF_257_102	COF_257_103	COF_257_104	COF_257_105	COF_811_105	COF_845_101	COF_845_102	COF_845_103	COF_845_104	COF_SUP_000	COF_WPCP_102	COF_WPCP_103_104	COF_WPCP_106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G101	WT		5/31/23	1352		4																								
2	G107				1419		4																								
3	G109				1530		4																								
4	G110				1445		4																								
5	G119				1024		4																								
6	G120				1020		4																								
7	G121				1120		4																								
8	G122				1126		4																								
9	G123				1220		4																								
10	G124				1250		4																								
11	G125				1310		4																								
12	G302				1600		13																								
13	G302 Dup				1600		13																								
14	G303				1723		13																								
15	G316				1033		13																								
16																															

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
COF-23Q2 Rev 1	Joseph R Reed	6/1/23	1720		6/1/23	1105				
		6/1/23	1357		6/1/23	13:59	3.5	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: Joe Reed

SIGNATURE of SAMPLER: Joseph R Reed

DATE Signed (MM/DD/YY): 6/1/23

GF00140
vmw 6-1-23

CHAIN-OF-CUSTODY / Analytical Request Document

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

APPENDIX A.
ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
COFFEEN POWER PLANT, LANDFILL
COF-257-105

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

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

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

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	COF_257_101	COF_257_102	COF_257_103	COF_257_104	COF_257_105	COF_811_105	COF_845_101	COF_845_102	COF_845_103	COF_845_104	COF_SUP_000	COF_WPCP_102	COF_WPCP_103_104	COF_WPCP_106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G406	WT		5/31/23	1645		14																							
2	G406 Dup				1645		14																							
3	G407				1409		14																							
4	G410				1327		6																							
5	G411				1200		6																							
6	G314D	WT		6/1/23	0938		13																							
7	G314	WT		6/1/23	1047		13																							
8	G218	WT	G	6/1/23	1112		15																							
9	G101 DUP	WT		5/31/23	1352		4																							
10	G124 DUP	WT		5/31/23	1250		4																							
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: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
COF-23Q2 Rev 1		6/1/23	1106		6/1/23	1106				
		6/1/23	1353		6/1/23	13:59	3.5	Y	N	Y

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Joseph Reed
SIGNATURE of SAMPLER: Joseph Reed
DATE Signed (MM/DD/YY): 6/1/23

YS 6-19-23

GF00140
VMW 6-1-23
6-1-23

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
Address:	13498 E. 900th St
Email To:	Brian.Voelker@VistraCorp.com
Phone: (217) 753-8911	Fax:
Requested Due Date/TAT:	10 day

Section B Required Project Information:

Report To:	Brian Voelker
Copy To:	Jason Stuckey
Purchase Order No.:	
Project Name:	
Project Number:	2285

Section C Invoice Information:

Attention:	Jason Stuckey
Company Name:	Vistra Corp
Address:	see Section A
Quote Reference:	
Project Manager:	
Profile #:	

REGULATORY AGENCY

NPDES | GROUND WATER | DRINKING WATER
UST | RCRA | OTHER

Site Location STATE: IL

APPENDIX A.
ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
COFEEN POWER PLANT, LANDFILL
COF-257-105

Section D Required Client Information

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

Valid Matrix Codes

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

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	COF_257_101	COF_257_102	COF_257_103	COF_257_104	COF_257_105	COF_811_105	COF_845_101	COF_845_102	COF_845_103	COF_845_104	COF_SUP_000	COF_WPCP_102	COF_WPCP_103_104	COF_WPCP_106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G214		G	6/1/23	1300		6																								
2	G111		G	6/1/23	1345		8																								
3	G310		G	6/1/23	1242		13																								
4	G312		G	6/1/23	1401		13																								
5	G279		G	6/1/23	1207		15																								
6	G277		G	6/1/23	1027		15																								
7	G111 DUP GS 6-19-23		G	6/1/23	1345		4																								
8																															
9																															
10																															
11																															
12																															
13																															
14																															
15																															
16																															

GS 6-19-23

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-23Q2 Rev 1	Brendan Glennon	6/1/23	1645							
	GS 6-19-23			Grace Jackson	6/1/23	16:45	24.2	Y	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Brendan Glennon

SIGNATURE of SAMPLER: Brendan Glennon DATE Signed (MM/DD/YY): 06/01/23

GF01285
vmw 6-7-23

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
Address:	13498 E. 900th St
Email To:	Brian.Voelker@VistraCorp.com
Phone: (217) 753-8911	Fax:
Requested Due Date/TAT:	10 day

Section B Required Project Information:

Report To:	Brian Voelker
Copy To:	Jason Stuckey
Purchase Order No.:	
Project Name:	
Project Number:	2285

Section C Invoice Information:

Attention:	Jason Stuckey
Company Name:	Vistra Corp
Address:	see Section A
Quote Reference:	
Project Manager:	
Profile #:	

REGULATORY AGENCY

NPDES | GROUND WATER | DRINKING WATER
UST | RCRA | OTHER

Site Location STATE: IL

Section D Required Client Information

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

Valid Matrix Codes

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

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	COF_257_101	COF_257_102	COF_257_103	COF_257_104	COF_257_105	COF_811_105	COF_845_101	COF_845_102	COF_845_103	COF_845_104	COF_SUP_000	COF_WPCP_102	COF_WPCP_103_104	COF_WPCP_106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G315	WT	G	6/7/23	1002		13	X	X	X																						
2	G403	WT	G	6/7/23	1125		14	X	X	X		X																				
3	G404	WT	G	6/7/23	1251		14	X	X	X		X																				
4	L201	WT	G	6/7/23	1329		21	X	X	X	X	X	X																			
5	1001	WT	G	6/7/23	1024		13	X	X	X																						
6	G401	WT	G	6/7/23	~~1158~~ 1158		14	X	X	X		X																				
7	X201	WT	G	6/7/23	1236		12	X	X	X																						
8	G278	WT	G	6/7/23	1338		6	X	X	X		X																				
9	G208	WT	G	6/7/23	1352		6	X	X	X		X																				
10	G106	WT	G	6/7/23	1215		7	X	X	X		X																				
11	G126	WT	G	6/7/23	1100		4	X	X	X		X																				
12	G155	WT	G	6/7/23	1008		5	X	~~X~~	X		X																				
13																																
14																																
15																																
16																																

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	GJS SAMPLE CONDITIONS			
COF-23Q2 Rev 1		6/7/23	1701		6/7/23	1702	6-19-23			
					6-7-23	1702	4.1	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: Kyle Lane
SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 6/7/23

GF01285
Vmw 6-7-23

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
Address:	13498 E. 900th St
Email To:	Brian.Voelker@VistraCorp.com
Phone: (217) 753-8911	Fax:
Requested Due Date/TAT:	10 day

Section B Required Project Information:

Report To:	Brian Voelker
Copy To:	Jason Stuckey
Purchase Order No.:	
Project Name:	
Project Number:	2285

Section C Invoice Information:

Attention:	Jason Stuckey
Company Name:	Vistra Corp
Address:	see Section A
Quote Reference:	
Project Manager:	
Profile #:	

REGULATORY AGENCY

NPDES | GROUND WATER | DRINKING WATER
UST | RCRA | OTHER

Site Location STATE: IL

Section D Required Client Information

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

Valid Matrix Codes

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

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	COF_257_101	COF_257_102	COF_257_103	COF_257_104	COF_257_105	COF_811_105	COF_845_101	COF_845_102	COF_845_103	COF_845_104	COF_SUP_000	COF_WPCP_102	COF_WPCP_103_104	COF_WPCP_106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G102	WT	G	6/6/23	1411		7	X	X	X		X																			
2	R104	WT	G	6/6/23	1519		7	X	X	X		X																			
3	G105	WT	G	6/6/23	1626		7	X	X	X		X																			
4	G301	WT	G	6/6/23	1638		13	X	X	X																					
5	G313	WT	G	6/6/23	1515		13	X	X	X																					
6	G313 DUP	WT	G	6/6/23	1515		13	X	X	X																					
7	G402	WT	G	6/6/23	1605		14	X	X	X		X																			
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: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
COF-23Q2 Rev 1		6/7/23	1351		6/7/23	1351				
		6/7/23	1702	Vera Wagner	6-7-23	1702	4.1	Y	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Aaron Lamberton

SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY): 06/06/23

Coffeen

WELL/SAMPLE POINT G106 **Purge Method:** Dedicated Pump

Date: 6-7-23 Start Time: 11:12 Finish/Sample Time: 12:15

Well Depth (Bottom) From MP: 22.36 ft Min. Purge Volume: 1.5 Gal / L

Depth to Water From MP: 10.44 ft Total Purge Volume: 1.8 Gal / L

Total Drawdown: 6.21 ft

Reading	Time	Depth	Flow Rate	pH	Spec Cond	Temp	ORP	DO	Turb
(Units)		(ft.)	(mL/min)	(s.u.)	(umhos/cm)	(deg C)	(mV)	(mg/L)	(NTU)
1	11:32	12.75	100	6.85	1,030	17.06	172	1.40	26.7
2	11:33	12.85	100	6.85	1,020	17.20	169	1.31	26.3
3	11:34	12.97	100	6.84	1,010	17.11	167	1.19	21.6
4									
5									
Stabilization	NA	NA	NA	± 0.2	± 3%	± 0.2	± 20	± 10% or 0.2	NA

Field Meter: Horiba

Sample Appearance:

Odor: ☑ None ☐ Slight ☐ Mod. ☐ Strong

Color ☑ None ☐ Slight ☐ Mod. ☐ Strong

Turb: ☑ None ☐ Slight ☐ Mod ☐ Strong

Well Integrity	Yes	No
Well has ID sign	✓	
Casing locked/secure	✓	
Well cap fits securely.	✓	
Good seal/drainage	✓	
Well has weep holes	✓	

BOTTLE INFORMATION:

Unfiltered	
Qty	Bottles
	VOAs (C,V, 40mL, HCL)
	VOAS (C,V, 40mL)
	Organics (A,G,U 1000mL)
	Organics (A,G,U 500mL)
	TOC (A,V 40mL, H2SO4)
	TOX (A,G 250mL, H2SO4)
1	Metals (P,250mL, HNO3)
1	Cyanide (P, 250mL, NaOH)
1	Phenols (A,G,250mL, H2SO4)
1	General (P, 250 mL)

Filtered	
Qty	Bottles
1	Metals (P,250mL, HNO3)
1	Ammonia (P,250mL, H2S04)
1	General (P,500mL)

Comments FD → 16.65

Sampler's Signature: [signature]

Coffeen

WELL/SAMPLE POINT G110 **Purge Method:** Bladder

Date: 3/21/23 Start Time: 1404 Finish/Sample Time: 1445

Well Depth (Bottom) From MP: **22.61** ft Min. Purge Volume: 1.5 Gal / L

Depth to Water From MP: 12.84 ft Total Purge Volume: 1.6 Gal / L

Total Drawdown: 6.11 ft

Reading	Time	Depth	Flow Rate	pH	Spec Cond	Temp	ORP	DO	Turb
(Units)		(ft.)	(mL/min)	(s.u.)	(umhos/cm)	(deg C)	(mV)	(mg/L)	(NTU)
1	1420	12.99	100	6.92	834	19.06	175	4.74	72.1
2	1421	13.01	100	6.88	821	19.04	174	4.76	66.5
3	1422	13.03	100	6.86	833	18.97	167	4.77	70.6
4									
5									
Stabilization	NA	NA	NA	± 0.2	± 3%	± 0.2	± 20	± 10% or 0.2	NA

Field Meter: ~~Aqua TroLL~~ Horiba U-51

Sample Appearance:

Odor: ☐ None ☐ Slight ☐ Mod. ☐ Strong

Color ☐ None ☐ Slight ☐ Mod. ☐ Strong

Turb: ☐ None ☐ Slight ☐ Mod ☐ Strong

Well Integrity	Yes	No
Well has ID sign	✓	
Casing locked/secure	✓	
Well cap fits securely.	✓	
Good seal/drainage	✓	
Well has weep holes	✓	

BOTTLE INFORMATION:

Unfiltered	
Qty	Bottles
	VOAs (C,V, 40mL, HCL)
	VOAS (C,V, 40mL)
	Organics (A,G,U 1000mL)
	Organics (A,G,U 500mL)
	TOC (A,V 40mL, H2SO4)
	TOX (A,G 250mL, H2SO4)
	Metals (P,250mL, HNO3)
1	Cyanide (P, 250mL, NaOH)
	Phenols (A,G,250mL, H2SO4)
	General (P, 250 mL)

Filtered	
Qty	Bottles
1	Metals (P,250mL, HNO3)
1	Ammonia (P,250mL, H2S04)
1	General (P, ~~500mL~~ 1L

Comments

Sampler's Signature: Brandon Wilson

Multiparameter Meter Field Calibration Checklist

Field Personnel:	Joe Reed	Location:	Coffeen Power
Weather:	74-85° partcbudy	Environment:	gravel / grass
Multiparameter Water Meter	Make: Horiba	Model: U5000	Serial Number: U4U1FVTF
Water Level Meter	Make: Solinst	Model: 101	Serial Number: P7/LM2

Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	4.01	s.u.	±0.1 s.u.	P	N		MSI	L344-09	12/14/2023
pH 7.00a	6.99	s.u.	±0.1 s.u.				MSI	L343-07	12/9/2023
pH 10.00a	10.00	s.u.	±0.1 s.u.				MSI	M082-04	3/25/2024
SC Zero (DI)	2.0	µS/cm	0<25 µS/cm				Pace Labs	N/A (DI)	N/A (DI)
SC 2000	2050	µS/cm	±5%				Geotech	2GE1442	May-23
ORP	224	mV	±15 mV				InSitu	2G1762	Jun-23
DO (Zero pt)	0.05	mg/L	±0.1				Macron	#000228049	8/26/2025
DO (Saturated)	99.1	%	97-100%				Pace Labs	N/A (DI)	N/A (DI)
Turbidity (DI)	0.50	NTU	<2 NTU				Pace Labs	N/A (DI)	N/A (DI)

25.48°C

Approx. every 4 hrs, unless only one well

ICV (Initial Calibration Verification) Time: 900

Buffer	Check Value	Units	Range	Pass/Fail	Action Taken?	Manufacturer	Lot#	Exp.
pH 4.00b	3.99	s.u.	±0.15 s.u.	P	N	Geotech	2GE870	Mar-24
pH 7.00b	6.97	s.u.	±0.15 s.u.			Geotech	2GC931	Mar-24
pH 10.00b	9.98	s.u.	±0.15 s.u.			Geotech	2GE820	May-24
SC 1000	990	µS/cm	±5%			Ricca	4207N97	Jul-24

Approx. every 4 hrs, unless only one well

CCV (Continued Calibration Verification): Time: 1549

Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	4.00	s.u.	±0.1 s.u.	P	N		MSI	L344-09	12/14/2023
pH 7.00a	7.02	s.u.	±0.1 s.u.				MSI	L343-07	12/9/2023
pH 10.00a	10.02	s.u.	±0.1 s.u.				MSI	M082-04	3/25/2024
SC 1000	1010	µS/cm	±5%				Ricca	4207N97	Jul-24
DO (Zero pt)	0.05	mg/L	±0.1 mg/L				Macron	#000228049	8/26/2025
Turbidity (DI)	0.0	NTU	<2 NTU				Pace Labs	N/A (DI)	N/A (DI)

Approx. every 4 hrs, unless only one well

CCV (Continued Calibration Verification): Time:

Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
4.00a		s.u.	±0.1 s.u.				MSI	L344-09	12/14/2023
7.00a		s.u.	±0.1 s.u.				MSI	L343-07	12/9/2023
10.00a		s.u.	±0.1 s.u.				MSI	M082-04	3/25/2024
SC 1000		µS/cm	±5%				Ricca	4207N97	Jul-24
DO (Zero pt)		mg/L	±0.1 mg/L				Macron	#000228049	8/26/2025
Turbidity (DI)		NTU	<2 NTU				Pace Labs	N/A (DI)	N/A (DI)

Comments:

Signature:	Joseph R Reed	Date:	5/31/23

Multiparameter Meter Field Calibration Checklist

Field Personnel:	JD	Location:	Vistra Coffeen
Weather:	70-86°F p. sunny wind 5 7-ph	Environment:	grass, weeds

Multiparameter Water Meter	Make: Aquatroll	Model: 600	Serial Number: 762215		
Water Level Meter	Make: Heron	Model: Dipper-T	Serial Number: 1IFF2209305ML		

Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	4.05	s.u.	±0.1 s.u.	pass	No	NA	MSI	L344-09	12/14/2023
pH 7.00a	7.07	s.u.	±0.1 s.u.				MSI	L343-07	12/9/2023
pH 10.00a	10.05	s.u.	±0.1 s.u.				MSI	M082-04	3/25/2024
SC Zero (DI)	10.89	µS/cm	0<25 µS/cm				Pace Labs	N/A (DI)	N/A (DI)
SC 2000	2089.2	µS/cm	±5%				Geotech	2GE1442	May-23
ORP	222.4	mV	±15 mV				InSitu	2G1762	Jun-23
DO (Zero pt)	0.03	mg/L	±0.1				Macron	#000228049	8/26/2025
DO (Saturated)	98.78	%	97-100%				Pace Labs	N/A (DI)	N/A (DI)
Turbidity (DI)	0.00	NTU	<2 NTU				Pace Labs	N/A (DI)	N/A (DI)

Approx. every 4 hrs, unless only one well

ICV (Initial Calibration Verification)					Time:			
Buffer	Check Value	Units	Range	Pass/Fail	Action Taken?	Manufacturer	Lot#	Exp.
pH 4.00b	4.04	s.u.	±0.15 s.u.	pass	NA	Geotech	2GE870	Mar-24
pH 7.00b	6.95	s.u.	±0.15 s.u.			Geotech	2GC931	Mar-24
pH 10.00b	9.94	s.u.	±0.15 s.u.			Geotech	2GE820	May-24
SC 1000	1042.5	µS/cm	±5%			Ricca	4207N97	Jul-24

Approx. every 4 hrs, unless only one well

CCV (Continued Calibration Verification):					Time:	1650			
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	4.09	s.u.	±0.1 s.u.	pass	No	NA	MSI	L344-09	12/14/2023
pH 7.00a	7.08	s.u.	±0.1 s.u.				MSI	L343-07	12/9/2023
pH 10.00a	10.06	s.u.	±0.1 s.u.				MSI	M082-04	3/25/2024
SC 1000	1040.6	µS/cm	±5%				Ricca	4207N97	Jul-24
DO (Zero pt)	0.09	mg/L	±0.1 mg/L				Macron	#000228049	8/26/2025
Turbidity (DI)	0.00	NTU	<2 NTU				Pace Labs	N/A (DI)	N/A (DI)

Approx. every 4 hrs, unless only one well

CCV (Continued Calibration Verification):					Time:				
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
4.00a		s.u.	±0.1 s.u.				MSI	L344-09	12/14/2023
7.00a		s.u.	±0.1 s.u.				MSI	L343-07	12/9/2023
10.00a		s.u.	±0.1 s.u.				MSI	M082-04	3/25/2024
SC 1000		µS/cm	±5%				Ricca	4207N97	Jul-24
DO (Zero pt)		mg/L	±0.1 mg/L				Macron	#000228049	8/26/2025
Turbidity (DI)		NTU	<2 NTU				Pace Labs	N/A (DI)	N/A (DI)

Comments:

Signature:	[signature]	Date:	5/31/23

Multiparameter Meter Field Calibration Checklist

Field Personnel:	Aaron Pemberton	Location:	Coffeen
Weather:	77°-87°C sunny windy 5 mph	Environment:	grass, dirt, dust

Multiparameter Water Meter	Make: Horiba	Model: U 5000	Serial Number:	PW2645D3	
Water Level Meter	Make: Heron	Model: Dipper-T	Serial Number:	3717-T	

Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	4.00	s.u.	±0.1 s.u.	P	No	N/A	MSI	L344-09	12/14/2023
pH 7.00a	7.01	s.u.	±0.1 s.u.				MSI	L343-07	12/9/2023
pH 10.00a	10.01	s.u.	±0.1 s.u.				MSI	M082-04	3/25/2024
SC Zero (DI)	0.0	µS/cm	0<25 µS/cm				Pace Labs	N/A (DI)	N/A (DI)
SC 2000	2060	µS/cm	±5%				Geotech	2GE1442	May-23
ORP	220	mV	±15 mV				InSitu	2G1762	Jun-23
DO (Zero pt)	0.08	mg/L	±0.1				Macron	#000228049	8/26/2025
DO (Saturated)	98.8	%	97-100%				Pace Labs	N/A (DI)	N/A (DI)
Turbidity (DI)	0.0	NTU	<2 NTU				Pace Labs	N/A (DI)	N/A (DI)

Approx. every 4 hrs, unless only one well

229 @ 25°C

ICV (Initial Calibration Verification)					Time: 0730			
Buffer	Check Value	Units	Range	Pass/Fail	Action Taken?	Manufacturer	Lot#	Exp.
pH 4.00b	3.97	s.u.	±0.15 s.u.	P	N/A	Geotech	2GE870	Mar-24
pH 7.00b	6.91	s.u.	±0.15 s.u.			Geotech	2GC931	Mar-24
pH 10.00b	10.09	s.u.	±0.15 s.u.			Geotech,	2GE820	May-24
SC 1000	0957	µS/cm	±5%			Ricca	4207N97	Jul-24

Approx. every 4 hrs, unless only one well

CCV (Continued Calibration Verification):					Time: 1619				
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	4.07	s.u.	±0.1 s.u.	P	N/A	N/A	MSI	L344-09	12/14/2023
pH 7.00a	6.95	s.u.	±0.1 s.u.				MSI	L343-07	12/9/2023
pH 10.00a	9.96	s.u.	±0.1 s.u.				MSI	M082-04	3/25/2024
SC 1000	1020	µS/cm	±5%				Ricca	4207N97	Jul-24
DO (Zero pt)	0.09	mg/L	±0.1 mg/L				Macron	#000228049	8/26/2025
Turbidity (DI)	0.0	NTU	<2 NTU				Pace Labs	N/A (DI)	N/A (DI)

Approx. every 4 hrs, unless only one well

CCV (Continued Calibration Verification):					Time: N/A				
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
4.00a		s.u.	±0.1 s.u.				MSI	L344-09	12/14/2023
7.00a		s.u.	±0.1 s.u.				MSI	L343-07	12/9/2023
10.00a		s.u.	±0.1 s.u.				MSI	M082-04	3/25/2024
SC 1000		µS/cm	±5%				Ricca	4207N97	Jul-24
DO (Zero pt)		mg/L	±0.1 mg/L				Macron	#000228049	8/26/2025
Turbidity (DI)		NTU	<2 NTU				Pace Labs	N/A (DI)	N/A (DI)

Comments:

Signature:		Date:	5/31/2023

Multiparameter Meter Field Calibration Checklist

Field Personnel:	Kyle Lane	Location:	Coffeen Power
Weather:	64° to 88°	Environment:	Dry

Multiparameter Water Meter	Make: Horiba	Model: U-5000	Serial Number:	yL9KJ9H0	
Water Level Meter	Make: Heron	Model: Water tape	Serial Number:	19FF22043	ML

Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	4.01	s.u.	±0.1 s.u.	P	N/A	N/A	MSI	L344-09	12/14/2023
pH 7.00a	7.01	s.u.	±0.1 s.u.				MSI	L343-07	12/9/2023
pH 10.00a	9.97	s.u.	±0.1 s.u.				MSI	M082-04	3/25/2024
SC Zero (DI)	23.24	µS/cm	0<25 µS/cm				Pace Labs	N/A (DI)	N/A (DI)
SC 2000	1970	µS/cm	±5%				Geotech	2GE1442	May-23
ORP	224	mV	±15 mV				InSitu	2G1762	Jun-23
DO (Zero pt)	0.04	mg/L	±0.1				Macron	#000228049	8/26/2025
DO (Saturated)	97.40	%	97-100%				Pace Labs	N/A (DI)	N/A (DI)
Turbidity (DI)	0	NTU	<2 NTU				Pace Labs	N/A (DI)	N/A (DI)

Approx. every 4 hrs, unless only one well

ICV (Initial Calibration Verification)

Time: 09:08

Buffer	Check Value	Units	Range	Pass/Fail	Action Taken?	Manufacturer	Lot#	Exp.
pH 4.00b	4.00	s.u.	±0.15 s.u.	P	N/A	Geotech	2GE870	Mar-24
pH 7.00b	6.99	s.u.	±0.15 s.u.			Geotech	2GC931	Mar-24
pH 10.00b	9.99	s.u.	±0.15 s.u.			Geotech	2GE820	May-24
SC 1000	1010	µS/cm	±5%			Ricca	4207N97	Jul-24

Approx. every 4 hrs, unless only one well

CCV (Continued Calibration Verification):

Time: N/A

Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a		s.u.	±0.1 s.u.				MSI	L344-09	12/14/2023
pH 7.00a		s.u.	±0.1 s.u.				MSI	L343-07	12/9/2023
pH 10.00a		s.u.	±0.1 s.u.				MSI	M082-04	3/25/2024
SC 1000		µS/cm	±5%				Ricca	4207N97	Jul-24
DO (Zero pt)		mg/L	±0.1 mg/L				Macron	#000228049	8/26/2025
Turbidity (DI)		NTU	<2 NTU				Pace Labs	N/A (DI)	N/A (DI)

Approx. every 4 hrs, unless only one well

CCV (Continued Calibration Verification):

Time: 15:09

Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
4.00a	4.06	s.u.	±0.1 s.u.	P	N/A	N/A	MSI	L344-09	12/14/2023
7.00a	7.01	s.u.	±0.1 s.u.				MSI	L343-07	12/9/2023
10.00a	10.00	s.u.	±0.1 s.u.				MSI	M082-04	3/25/2024
SC 1000	1020	µS/cm	±5%				Ricca	4207N97	Jul-24
DO (Zero pt)	0.01	mg/L	±0.1 mg/L				Macron	#000228049	8/26/2025
Turbidity (DI)	N/A	NTU	<2 NTU	N/A	N/A	N/A	Pace Labs	N/A (DI)	N/A (DI)

Comments: Turbidity Had Problems taking reads

Signature: [signature] Date: 5-31-2023

Multiparameter Meter Field Calibration Checklist

Field Personnel:	Kyle Lane	Location:	Coffeen Power
Weather:	81° Cloudy	Environment:	Dry

Multiparameter Water Meter	Make: Horiba	Model: U-5000	Serial Number:	U4UIFVTF	
Water Level Meter	Make: Heron	Model: water tape	Serial Number:	19FF2202131ML	

Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	4.03	s.u.	±0.1 s.u.	P	N/A	N/A	MSI	L344-09	12/14/2023
pH 7.00a	6.92	s.u.	±0.1 s.u.				MSI	L343-07	12/9/2023
pH 10.00a	9.99	s.u.	±0.1 s.u.				MSI	M082-04	3/25/2024
SC Zero (DI)	9.00	µS/cm	0<25 µS/cm				Pace Labs	N/A (DI)	N/A (DI)
SC 2000	1970	µS/cm	±5%				Geotech	~~2GE1442~~	~~May-23~~
ORP	214	mV	±15 mV				InSitu	2G1762	Jun-23
DO (Zero pt)	0.08	mg/L	±0.1				Macron	#000228049	8/26/2025
DO (Saturated)	98.20	%	97-100%				Pace Labs	N/A (DI)	N/A (DI)
Turbidity (DI)	0	NTU	<2 NTU				Pace Labs	N/A (DI)	N/A (DI)

2GK0820 Nov. 23 (DI) mlj

Approx. every 4 hrs, unless only one well

ICV (Initial Calibration Verification)

Time: 08:30

Buffer	Check Value	Units	Range	Pass/Fail	Action Taken?	Manufacturer	Lot#	Exp.
pH 4.00b	4.01	s.u.	±0.15 s.u.	P	N/A	Geotech	2GE870	Mar-24
pH 7.00b	7.00	s.u.	±0.15 s.u.			Geotech	2GC931	Mar-24
pH 10.00b	9.87	s.u.	±0.15 s.u.			Geotech,	2GE820	May-24
SC 1000	980	µS/cm	±5%			Ricca	4207N97	Jul-24

Approx. every 4 hrs, unless only one well

CCV (Continued Calibration Verification):

Time: N/A

Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a		s.u.	±0.1 s.u.				MSI	L344-09	12/14/2023
pH 7.00a		s.u.	±0.1 s.u.				MSI	L343-07	12/9/2023
pH 10.00a		s.u.	±0.1 s.u.				MSI	M082-04	3/25/2024
SC 1000		µS/cm	±5%				Ricca	4207N97	Jul-24
DO (Zero pt)		mg/L	±0.1 mg/L				Macron	#000228049	8/26/2025
Turbidity (DI)		NTU	<2 NTU				Pace Labs	N/A (DI)	N/A (DI)

Approx. every 4 hrs, unless only one well

CCV (Continued Calibration Verification):

Time: 14:06

Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
4.00a	3.99	s.u.	±0.1 s.u.	P	N/A	N/A	MSI	L344-09	12/14/2023
7.00a	6.97	s.u.	±0.1 s.u.				MSI	L343-07	12/9/2023
10.00a	9.98	s.u.	±0.1 s.u.				MSI	M082-04	3/25/2024
SC 1000	1038	µS/cm	±5%				Ricca	4207N97	Jul-24
DO (Zero pt)	0.06	mg/L	±0.1 mg/L				Macron	#000228049	8/26/2025
Turbidity (DI)	2.0	NTU	<2 NTU				Pace Labs	N/A (DI)	N/A (DI)

Comments: N/A

Signature:	[signature]	Date:	6-7-2023

Multiparameter Meter Field Calibration Checklist

Field Personnel:	JD	Location:	Vistra Coffeen
Weather:	66-78°F cloudy wind NE 8mph	Environment:	grass, reeds

Multiparameter Water Meter	Make: Aquatroll	Model: 600	Serial Number: 762215		
Water Level Meter	Make: Heron	Model: Dipper-T	Serial Number: 11FF2209305ML		

Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	4.01	s.u.	±0.1 s.u.	pass	No	NA	MSI	L344-09	12/14/2023
pH 7.00a	7.00	s.u.	±0.1 s.u.				MSI	L343-07	12/9/2023
pH 10.00a	9.98	s.u.	±0.1 s.u.				MSI	M082-04	3/25/2024
SC Zero (DI)	9.72	µS/cm	0<25 µS/cm				Pace Labs	N/A (DI)	N/A (DI)
SC 2000	2036.4	µS/cm	±5%				Geotech	~~2GE1442~~	~~May-23~~
ORP	226.1	mV	±15 mV				InSitu	2G1762	Jun-23
DO (Zero pt)	0.09	mg/L	±0.1				Macron	#000228049	8/26/2025
DO (Saturated)	98.09	%	97-100%				Pace Labs	N/A (DI)	N/A (DI)
Turbidity (DI)	0.00	NTU	<2 NTU				Pace Labs	N/A (DI)	N/A (DI)

SMO 6/7

Lot # 2GK086 Exp. Nov/23

Approx. every 4 hrs, unless only one well

ICV (Initial Calibration Verification) — Time: 0825

Buffer	Check Value	Units	Range	Pass/Fail	Action Taken?	Manufacturer	Lot#	Exp.
pH 4.00b	4.04	s.u.	±0.15 s.u.	pass	NA	Geotech	2GE870	Mar-24
pH 7.00b	6.90	s.u.	±0.15 s.u.			Geotech	2GC931	Mar-24
pH 10.00b	9.86	s.u.	±0.15 s.u.			Geotech	2GE820	May-24
SC 1000	992.0	µS/cm	±5%			Ricca	4207N97	Jul-24

Approx. every 4 hrs, unless only one well

CCV (Continued Calibration Verification): — Time: 1722

Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	4.06	s.u.	±0.1 s.u.	pass	No	NA	MSI	L344-09	12/14/2023
pH 7.00a	7.04	s.u.	±0.1 s.u.				MSI	L343-07	12/9/2023
pH 10.00a	10.02	s.u.	±0.1 s.u.				MSI	M082-04	3/25/2024
SC 1000	1026.9	µS/cm	±5%				Ricca	4207N97	Jul-24
DO (Zero pt)	0.09	mg/L	±0.1 mg/L				Macron	#000228049	8/26/2025
Turbidity (DI)	0.00	NTU	<2 NTU				Pace Labs	N/A (DI)	N/A (DI)

Approx. every 4 hrs, unless only one well

CCV (Continued Calibration Verification): — Time:

Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
4.00a		s.u.	±0.1 s.u.				MSI	L344-09	12/14/2023
7.00a		s.u.	±0.1 s.u.				MSI	L343-07	12/9/2023
10.00a		s.u.	±0.1 s.u.				MSI	M082-04	3/25/2024
SC 1000		µS/cm	±5%				Ricca	4207N97	Jul-24
DO (Zero pt)		mg/L	±0.1 mg/L				Macron	#000228049	8/26/2025
Turbidity (DI)		NTU	<2 NTU				Pace Labs	N/A (DI)	N/A (DI)

Comments:

Signature:	[signature]	Date:	6/7/23

Multiparameter Meter Field Calibration Checklist

Field Personnel:	Auron Pemberton	Location:	Coffeen
Weather:	60s - 70s Cloudy Wind NE 5mph	Environment:	Grass, dirt
Multiparameter Water Meter	Make: Horiba	Model: U50	Serial Number: PW2GKJD3
Water Level Meter	Make: Heron	Model: Dipper T	Serial Number: 3717-7

Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	3.91	s.u.	±0.1 s.u.	P	NO	—	MSI	L344-09	12/14/2023
pH 7.00a	7.68	s.u.	±0.1 s.u.	F	Yes	7.00	MSI	L343-07	12/9/2023
pH 10.00a	10.04	s.u.	±0.1 s.u.	P	No	—	MSI	M082-04	3/25/2024
SC Zero (DI)	0.0	µS/cm	0<25 µS/cm	P	No	—	Pace Labs	N/A (DI)	N/A (DI)
SC 2000	2040	µS/cm	±5%	P	No	—	Geotech	~~2GE1442~~	~~May-23~~
ORP	220	mV	±15 mV	P	No	—	InSitu	2G1762	Jun-23
DO (Zero pt)	0.09	mg/L	±0.1	P	No	—	Macron	#000228049	8/26/2025
DO (Saturated)	99.3	%	97-100%	P	No	—	Pace Labs	N/A (DI)	N/A (DI)
Turbidity (DI)	1.3	NTU	<2 NTU	P	No	—	Pace Labs	N/A (DI)	N/A (DI)

2GKD8L6 Nov. 23 (OK) 7/17

Approx. every 4 hrs, unless only one well

230 @ 24°C

ICV (Initial Calibration Verification)					Time: 0840			
Buffer	Check Value	Units	Range	Pass/Fail	Action Taken?	Manufacturer	Lot#	Exp.
pH 4.00b	4.02	s.u.	±0.15 s.u.	P	—	Geotech	2GE870	Mar-24
pH 7.00b	7.08	s.u.	±0.15 s.u.	P	—	Geotech	2GC931	Mar-24
pH 10.00b	10.10	s.u.	±0.15 s.u.	P	—	Geotech,	2GE820	May-24
SC 1000	989	µS/cm	±5%	P	—	Ricca	4207N97	Jul-24

Approx. every 4 hrs, unless only one well

CCV (Continued Calibration Verification):					Time: ~~1530~~ 1730			
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	4.06	s.u.	±0.1 s.u.	P	NO	N/A	MSI	L344-09	12/14/2023
pH 7.00a	7.07	s.u.	±0.1 s.u.				MSI	L343-07	12/9/2023
pH 10.00a	10.09	s.u.	±0.1 s.u.				MSI	M082-04	3/25/2024
SC 1000	1030	µS/cm	±5%				Ricca	4207N97	Jul-24
DO (Zero pt)	0.09	mg/L	±0.1 mg/L				Macron	#000228049	8/26/2025
Turbidity (DI)	0.0	NTU	<2 NTU				Pace Labs	N/A (DI)	N/A (DI)

Approx. every 4 hrs, unless only one well

CCV (Continued Calibration Verification):					Time:				
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
4.00a		s.u.	±0.1 s.u.				MSI	L344-09	12/14/2023
7.00a		s.u.	±0.1 s.u.				MSI	L343-07	12/9/2023
10.00a		s.u.	±0.1 s.u.				MSI	M082-04	3/25/2024
SC 1000		µS/cm	±5%				Ricca	4207N97	Jul-24
DO (Zero pt)		mg/L	±0.1 mg/L				Macron	#000228049	8/26/2025
Turbidity (DI)		NTU	<2 NTU				Pace Labs	N/A (DI)	N/A (DI)

Comments:

Signature:		Date:	6/7/2023

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

November 21, 2023

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

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

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

Dear Eric Bauer:

TEKLAB, INC received 13 samples for COF_257_105 on 9/19/2023 1:12:00 PM for the analysis presented in the following report.

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

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

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

Sincerely,

Elizabeth A. Hurley

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

Report Contents

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

This reporting package includes the following:

Cover Letter	1
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Definitions

Client: Ramboll **Work Order:** 23071810

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

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

Teklab, Inc.
Environmental Laboratory

Definitions

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

Qualifiers

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

Case Narrative

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

Cooler Receipt Temp: 3.4 °C

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

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

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

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

Per Eric Bauer's request, only COF_257_105 data is included in this report. EAH 11/21/23

Locations

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

Springfield
Address 3920 Pintail Dr
Springfield, IL 62711-9415
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Kansas City
Address 8421 Nieman Road
Lenexa, KS 66214
Phone (913) 541-1998
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Collinsville Air
Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425
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Chicago
Address 1319 Butterfield Rd.
Downers Grove, IL 60515
Phone (630) 324-6855
Fax
Email arenner@teklabinc.com

Accreditations

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

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

Laboratory Results

Client: Ramboll **Work Order:** 23071810

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

Lab ID: 23071810-002 **Client Sample ID:** G102

Matrix: GROUNDWATER **Collection Date:** 08/09/2023 15:07

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**10.34**	ft	1	08/09/2023 15:07	R335486
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**11**	NTU	1	08/09/2023 15:07	R335486
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**156**	mV	1	08/09/2023 15:07	R335486
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1160**	µS/cm	1	08/09/2023 15:07	R335486
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**15.9**	°C	1	08/09/2023 15:07	R335486
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.09**	mg/L	1	08/09/2023 15:07	R335486
SW-846 9040B FIELD									
pH	*	0	1.00		**7.25**		1	08/09/2023 15:07	R335486
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**294**	mg/L	1	08/11/2023 16:14	R334939
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	08/11/2023 16:14	R334939
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**538**	mg/L	1	08/12/2023 9:20	R334965
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**126**	mg/L	10	08/29/2023 18:55	R335683
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.31**	mg/L	1	08/14/2023 11:47	R334963
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	8		**31**	mg/L	2	08/24/2023 2:12	R335479
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**76.1**	mg/L	1	08/15/2023 16:38	210770
Magnesium	NELAP	0.0055	0.0500		**33.0**	mg/L	1	08/15/2023 16:38	210770
Potassium	NELAP	0.0400	0.100		**0.561**	mg/L	1	08/15/2023 16:38	210770
Sodium	NELAP	0.0180	0.0500		**67.9**	mg/L	1	08/15/2023 16:38	210770
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Boron	NELAP	0.0092	0.020	J	**0.012**	mg/L	5	09/11/2023 15:45	210770

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

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

Laboratory Results

Client: Ramboll **Work Order:** 23071810

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

Lab ID: 23071810-005 **Client Sample ID:** G106

Matrix: GROUNDWATER **Collection Date:** 08/10/2023 9:16

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**12.17**	ft	1	08/10/2023 9:16	R335486
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**2.6**	NTU	1	08/10/2023 9:16	R335486
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**36**	mV	1	08/10/2023 9:16	R335486
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1240**	µS/cm	1	08/10/2023 9:16	R335486
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**16.8**	°C	1	08/10/2023 9:16	R335486
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.72**	mg/L	1	08/10/2023 9:16	R335486
SW-846 9040B FIELD									
pH	*	0	1.00		**6.88**		1	08/10/2023 9:16	R335486
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**345**	mg/L	1	08/11/2023 16:30	R334939
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	08/11/2023 16:30	R334939
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**608**	mg/L	1	08/14/2023 11:47	R335033
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**123**	mg/L	10	08/29/2023 19:21	R335683
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.44**	mg/L	1	08/14/2023 12:10	R334963
SW-846 9251 (TOTAL)									
Chloride	NELAP	2	20		**56**	mg/L	5	09/01/2023 13:59	R335932
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**93.5**	mg/L	1	08/15/2023 16:40	210770
Magnesium	NELAP	0.0055	0.0500		**43.6**	mg/L	1	08/15/2023 16:40	210770
Potassium	NELAP	0.0400	0.100		**0.445**	mg/L	1	08/15/2023 16:40	210770
Sodium	NELAP	0.0180	0.0500		**56.7**	mg/L	1	08/15/2023 16:40	210770
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Boron	NELAP	0.0092	0.0200		**0.0308**	mg/L	5	09/11/2023 17:12	210770

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

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

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23071810

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

Lab ID: 23071810-009 **Client Sample ID:** G110

Matrix: GROUNDWATER **Collection Date:** 08/09/2023 10:28

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**14.16**	ft	1	08/09/2023 10:28	R335486
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**9.1**	NTU	1	08/09/2023 10:28	R335486
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**121**	mV	1	08/09/2023 10:28	R335486
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1210**	µS/cm	1	08/09/2023 10:28	R335486
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**16.1**	°C	1	08/09/2023 10:28	R335486
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.33**	mg/L	1	08/09/2023 10:28	R335486
SW-846 9040B FIELD									
pH	*	0	1.00		**6.73**		1	08/09/2023 10:28	R335486
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**351**	mg/L	1	08/11/2023 16:37	R334939
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	08/11/2023 16:37	R334939
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**582**	mg/L	1	08/12/2023 9:20	R334965
SW-846 9036 (TOTAL)									
Sulfate	NELAP	12	20		**94**	mg/L	2	08/29/2023 19:46	R335683
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.39**	mg/L	1	08/16/2023 14:47	R335102
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	8		**58**	mg/L	2	08/29/2023 19:46	R335729
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100	S	**94.8**	mg/L	1	08/15/2023 16:44	210770
Magnesium	NELAP	0.0055	0.0500		**41.8**	mg/L	1	08/15/2023 16:44	210770
Potassium	NELAP	0.0400	0.100		**0.267**	mg/L	1	08/15/2023 16:44	210770
Sodium	NELAP	0.0180	0.0500	S	**52.1**	mg/L	1	08/15/2023 16:44	210770
Matrix spike control limits are not applicable due to high sample/spike ratio.									
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Boron	NELAP	0.0092	0.020	J	**0.013**	mg/L	5	09/13/2023 23:20	210770
Results have less certainty - Client Requested Quantitation Limit for Boron is below the method limit of quantitation.									
PQL recovered outside upper control limits for B. Sample results are below the reporting limit. Data is reportable per the TNI Standard.									

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23071810

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

Lab ID: 23071810-012 **Client Sample ID:** G120

Matrix: GROUNDWATER **Collection Date:** 08/09/2023 11:49

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**16.31**	ft	1	08/09/2023 11:49	R335486
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**16**	NTU	1	08/09/2023 11:49	R335486
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**161**	mV	1	08/09/2023 11:49	R335486
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1170**	µS/cm	1	08/09/2023 11:49	R335486
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**16.4**	°C	1	08/09/2023 11:49	R335486
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**3.79**	mg/L	1	08/09/2023 11:49	R335486
SW-846 9040B FIELD									
pH	*	0	1.00		**6.99**		1	08/09/2023 11:49	R335486
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**284**	mg/L	1	08/11/2023 16:43	R334939
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	08/11/2023 16:43	R334939
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**530**	mg/L	1	08/12/2023 9:43	R334965
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10		**28**	mg/L	1	08/29/2023 19:54	R335683
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.38**	mg/L	1	08/14/2023 11:49	R334963
SW-846 9251 (TOTAL)									
Chloride	NELAP	5	40		**101**	mg/L	10	08/29/2023 19:59	R335729
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100	S	**83.6**	mg/L	1	08/15/2023 16:06	210785
Magnesium	NELAP	0.0055	0.0500	S	**39.6**	mg/L	1	08/15/2023 16:06	210785
Potassium	NELAP	0.0400	0.100		**0.678**	mg/L	1	08/15/2023 16:06	210785
Sodium	NELAP	0.0180	0.0500	S	**39.2**	mg/L	1	08/15/2023 16:06	210785
Matrix spike control limits are not applicable due to high sample/spike ratio.									
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Boron	NELAP	0.0092	0.0200		**< 0.0200**	mg/L	5	09/11/2023 17:19	210785
Results have less certainty - Client Requested Quantitation Limit for Boron is below the method limit of quantitation.									

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23071810

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

Lab ID: 23071810-017 **Client Sample ID:** G125

Matrix: GROUNDWATER **Collection Date:** 08/09/2023 13:27

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**18.53**	ft	1	08/09/2023 13:27	R335486
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**7.2**	NTU	1	08/09/2023 13:27	R335486
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**152**	mV	1	08/09/2023 13:27	R335486
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1160**	µS/cm	1	08/09/2023 13:27	R335486
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**15.5**	°C	1	08/09/2023 13:27	R335486
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**4.64**	mg/L	1	08/09/2023 13:27	R335486
SW-846 9040B FIELD									
pH	*	0	1.00		**7.15**		1	08/09/2023 13:27	R335486
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**284**	mg/L	1	08/11/2023 16:49	R334939
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	08/11/2023 16:49	R334939
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**556**	mg/L	1	08/12/2023 10:08	R334965
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100	S	**103**	mg/L	10	08/29/2023 20:15	R335683
Matrix spike did not recover within control limits. Result is verified by reanalysis at dilution.									
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.47**	mg/L	1	08/14/2023 11:51	R334963
SW-846 9251 (TOTAL)									
Chloride	NELAP	5	40		**82**	mg/L	10	08/29/2023 20:15	R335729
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100	S	**67.6**	mg/L	1	08/15/2023 16:08	210785
Magnesium	NELAP	0.0055	0.0500		**32.5**	mg/L	1	08/15/2023 16:08	210785
Potassium	NELAP	0.0400	0.100		**0.399**	mg/L	1	08/15/2023 16:08	210785
Sodium	NELAP	0.0180	0.0500		**83.1**	mg/L	1	08/15/2023 16:08	210785
Matrix spike control limits are not applicable due to high sample/spike ratio.									
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Boron	NELAP	0.0092	0.0200		**< 0.0200**	mg/L	5	09/11/2023 17:43	210785
Results have less certainty - Client Requested Quantitation Limit for Boron is below the method limit of quantitation.									

Laboratory Results

Client: Ramboll **Work Order:** 23071810

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

Lab ID: 23071810-101 **Client Sample ID:** T127

Matrix: GROUNDWATER **Collection Date:** 08/09/2023 11:07

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**15.20**	ft	1	08/09/2023 11:08	R335486
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**8.0**	NTU	1	08/09/2023 11:08	R335486
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**148**	mV	1	08/09/2023 11:08	R335486
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1060**	µS/cm	1	08/09/2023 11:08	R335486
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**15.7**	°C	1	08/09/2023 11:08	R335486
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.90**	mg/L	1	08/09/2023 11:08	R335486
SW-846 9040B FIELD									
pH	*	0	1.00		**6.97**		1	08/09/2023 11:08	R335486
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**302**	mg/L	1	08/11/2023 16:56	R334939
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	08/11/2023 16:56	R334939
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**500**	mg/L	1	08/14/2023 10:23	R335033
SW-846 9036 (TOTAL)									
Sulfate	NELAP	31	50	S	**87**	mg/L	5	08/30/2023 22:31	R335764
Matrix spike did not recover within control limits. Result is verified by reanalysis at dilution.									
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.48**	mg/L	1	08/14/2023 12:36	R334963
SW-846 9251 (TOTAL)									
Chloride	NELAP	2	20		**45**	mg/L	5	08/30/2023 22:32	R335780
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100	S	**76.8**	mg/L	1	08/15/2023 18:15	210812
Magnesium	NELAP	0.0055	0.0500		**33.9**	mg/L	1	08/15/2023 18:15	210812
Potassium	NELAP	0.0400	0.100		**0.257**	mg/L	1	08/15/2023 18:15	210812
Sodium	NELAP	0.0180	0.0500		**61.6**	mg/L	1	08/15/2023 18:15	210812
Matrix spike control limits are not applicable due to high sample/spike ratio.									
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Boron	NELAP	0.0092	0.020	J	**0.011**	mg/L	5	09/11/2023 14:37	210812
Results have less certainty - Client Requested Quantitation Limit for Boron is below the method limit of quantitation.									

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23071810

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

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

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

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**2**	mg/L	1	08/17/2023 13:33	R335189
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	08/17/2023 13:33	R335189
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**< 20**	mg/L	1	08/16/2023 12:39	R335171
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10	J	**7**	mg/L	1	08/30/2023 23:33	R335764
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10	J	**0.06**	mg/L	1	08/16/2023 14:38	R335102
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**< 4**	mg/L	1	08/30/2023 23:34	R335780
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.10	J	**0.042**	mg/L	1	08/17/2023 10:29	210926
Magnesium	NELAP	0.0055	0.0500		**< 0.0500**	mg/L	1	08/18/2023 15:59	210926
Potassium	NELAP	0.0400	0.100		**< 0.100**	mg/L	1	08/17/2023 10:29	210926
Sodium	NELAP	0.018	0.050	J	**0.030**	mg/L	1	08/17/2023 10:29	210926
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Boron	NELAP	0.0092	0.0200		**0.104**	mg/L	5	09/11/2023 12:58	210926

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

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23071810

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

Lab ID: 23071810-108 **Client Sample ID:** G102 Duplicate

Matrix: GROUNDWATER **Collection Date:** 08/09/2023 15:07

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**10.34**	ft	1	08/09/2023 15:07	R335486
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**11**	NTU	1	08/09/2023 15:07	R335486
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**156**	mV	1	08/09/2023 15:07	R335486
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1160**	µS/cm	1	08/09/2023 15:07	R335486
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**15.9**	°C	1	08/09/2023 15:07	R335486
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.09**	mg/L	1	08/09/2023 15:07	R335486
SW-846 9040B FIELD									
pH	*	0	1.00		**7.25**		1	08/09/2023 15:07	R335486
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**287**	mg/L	1	08/14/2023 13:24	R334970
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	08/14/2023 13:24	R334970
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**562**	mg/L	1	08/14/2023 11:45	R335033
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**136**	mg/L	10	08/31/2023 0:01	R335764
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.27**	mg/L	1	08/14/2023 12:40	R334963
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	8		**32**	mg/L	2	08/30/2023 23:57	R335780
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**80.9**	mg/L	1	08/15/2023 18:19	210812
Magnesium	NELAP	0.0055	0.0500		**34.8**	mg/L	1	08/15/2023 18:19	210812
Potassium	NELAP	0.0400	0.100		**0.618**	mg/L	1	08/15/2023 18:19	210812
Sodium	NELAP	0.0180	0.0500		**63.8**	mg/L	1	08/15/2023 18:19	210812
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Boron	NELAP	0.0092	0.020	J	**0.011**	mg/L	5	08/30/2023 23:06	210812

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

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

Sample Summary

Client: Ramboll
Client Project: COF-23Q3

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

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
23071810-002	G102	Groundwater	7	08/09/2023 15:07
23071810-005	G106	Groundwater	7	08/10/2023 9:16
23071810-009	G110	Groundwater	6	08/09/2023 10:28
23071810-012	G120	Groundwater	6	08/09/2023 11:49
23071810-017	G125	Groundwater	6	08/09/2023 13:27
23071810-024	G200	Groundwater	7	08/15/2023 0:00
23071810-086	L203	Leachate	2	08/15/2023 0:00
23071810-096	R201	Groundwater	7	08/15/2023 0:00
23071810-101	T127	Groundwater	6	08/09/2023 11:07
23071810-107	Field Blank	Aqueous	8	08/15/2023 10:35
23071810-108	G102 Duplicate	Groundwater	7	08/09/2023 15:07
23071810-109	G200 Duplicate	Groundwater	7	08/15/2023 0:00
23071810-112	R201 Duplicate	Groundwater	7	08/15/2023 0:00

Teklab, Inc. Environmental Laboratory

Dates Report

Client: Ramboll **Work Order:** 23071810

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

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			**Prep Date/Time**	**Analysis Date/Time**
23071810-002A	G102	08/09/2023 15:07	08/09/2023 17:52		
	Field Elevation Measurements				08/09/2023 15:07
	Standard Methods 2130 B Field				08/09/2023 15:07
	Standard Methods 18th Ed. 2580 B Field				08/09/2023 15:07
	Standard Methods 2320 B (Total) 1997, 2011				08/11/2023 16:14
	Standard Methods 2320 B 1997, 2011				08/11/2023 16:14
	Standard Methods 2510 B Field				08/09/2023 15:07
	Standard Methods 2540 C (Total) 1997, 2011				08/12/2023 9:20
	Standard Methods 2550 B Field				08/09/2023 15:07
	Standard Methods 4500-O G Field				08/09/2023 15:07
	SW-846 9036 (Total)				08/29/2023 18:55
	SW-846 9040B Field				08/09/2023 15:07
	SW-846 9214 (Total)				08/14/2023 11:47
	SW-846 9251 (Total)				08/24/2023 2:12
23071810-002B	G102	08/09/2023 15:07	08/09/2023 17:52		
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/15/2023 9:10
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/15/2023 9:10
	Standard Methods 2550 B Field				08/09/2023 15:07
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				08/10/2023 16:34
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/10/2023 17:05
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/10/2023 17:05
	SW-846 9036 (Dissolved)				08/21/2023 16:08
	SW-846 9214 (Dissolved)				08/15/2023 13:13
	SW-846 9251 (Dissolved)				08/21/2023 16:03
23071810-002C	G102	08/09/2023 15:07	08/09/2023 17:52		
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/11/2023 12:38	08/15/2023 16:38
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/11/2023 12:38	08/23/2023 2:43
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/11/2023 12:38	08/26/2023 6:50
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/11/2023 12:38	09/11/2023 15:45
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/11/2023 12:38	09/13/2023 22:53
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/12/2023 12:05	09/15/2023 19:52
	SW-846 7470A (Total)			08/10/2023 10:59	08/11/2023 19:01
23071810-002D	G102	08/09/2023 15:07	08/09/2023 17:52		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			08/11/2023 17:08	08/14/2023 15:33
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/11/2023 17:08	08/30/2023 18:32
	SW-846 7470A (Dissolved)			08/10/2023 10:59	08/11/2023 19:08
23071810-002E	G102	08/09/2023 15:07	08/09/2023 17:52		

Teklab, Inc. Environmental Laboratory

Dates Report

Client: Ramboll **Work Order:** 23071810

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

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			**Prep Date/Time**	**Analysis Date/Time**
	SW-846 9012A (Total)			08/11/2023 9:47	08/14/2023 10:52
23071810-002F	G102	08/09/2023 15:07	08/09/2023 17:52		
	SW-846 9066 (Total)				08/16/2023 8:17
23071810-002G	G102	08/09/2023 15:07	08/09/2023 17:52		
	Standard Methods 4500-NH3 G (Dissolved) 1997, 2011				08/11/2023 9:52
23071810-005A	G106	08/10/2023 9:16	08/10/2023 17:30		
	Field Elevation Measurements				08/10/2023 9:16
	Standard Methods 2130 B Field				08/10/2023 9:16
	Standard Methods 18th Ed. 2580 B Field				08/10/2023 9:16
	Standard Methods 2320 B (Total) 1997, 2011				08/11/2023 16:30
	Standard Methods 2320 B 1997, 2011				08/11/2023 16:30
	Standard Methods 2510 B Field				08/10/2023 9:16
	Standard Methods 2540 C (Total) 1997, 2011				08/14/2023 11:47
	Standard Methods 2550 B Field				08/10/2023 9:16
	Standard Methods 4500-O G Field				08/10/2023 9:16
	SW-846 9036 (Total)				08/29/2023 19:21
	SW-846 9040B Field				08/10/2023 9:16
	SW-846 9214 (Total)				08/14/2023 12:10
	SW-846 9251 (Total)				09/01/2023 13:59
23071810-005B	G106	08/10/2023 9:16	08/10/2023 17:30		
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/16/2023 8:58
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/16/2023 8:58
	Standard Methods 2550 B Field				08/10/2023 9:16
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				08/11/2023 17:33
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/11/2023 12:16
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/11/2023 12:16
	SW-846 9036 (Dissolved)				08/21/2023 16:46
	SW-846 9214 (Dissolved)				08/16/2023 9:39
	SW-846 9251 (Dissolved)				08/21/2023 16:46
23071810-005C	G106	08/10/2023 9:16	08/10/2023 17:30		
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/11/2023 12:38	08/15/2023 16:40
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/11/2023 12:38	08/23/2023 3:49
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/11/2023 12:38	08/26/2023 7:53
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/11/2023 12:38	09/11/2023 17:12
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/11/2023 12:38	09/13/2023 23:15
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/12/2023 12:05	09/15/2023 20:08
	SW-846 7470A (Total)			08/14/2023 16:30	08/15/2023 13:20

Teklab, Inc. Environmental Laboratory

Dates Report

Client: Ramboll **Work Order:** 23071810

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

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			**Prep Date/Time**	**Analysis Date/Time**
23071810-005D	G106	08/10/2023 9:16	08/10/2023 17:30		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			08/14/2023 11:57	08/15/2023 10:49
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/14/2023 11:57	08/31/2023 0:10
	SW-846 7470A (Dissolved)			08/14/2023 16:30	08/15/2023 13:22
23071810-005E	G106	08/10/2023 9:16	08/10/2023 17:30		
	SW-846 9012A (Total)			08/14/2023 19:01	08/15/2023 12:28
23071810-005F	G106	08/10/2023 9:16	08/10/2023 17:30		
	SW-846 9066 (Total)				08/16/2023 8:56
23071810-005G	G106	08/10/2023 9:16	08/10/2023 17:30		
	Standard Methods 4500-NH3 G (Dissolved) 1997, 2011				08/14/2023 11:13
23071810-009A	G110	08/09/2023 10:28	08/09/2023 17:52		
	Field Elevation Measurements				08/09/2023 10:28
	Standard Methods 2130 B Field				08/09/2023 10:28
	Standard Methods 18th Ed. 2580 B Field				08/09/2023 10:28
	Standard Methods 2320 B (Total) 1997, 2011				08/11/2023 16:37
	Standard Methods 2320 B 1997, 2011				08/11/2023 16:37
	Standard Methods 2510 B Field				08/09/2023 10:28
	Standard Methods 2540 C (Total) 1997, 2011				08/12/2023 9:20
	Standard Methods 2550 B Field				08/09/2023 10:28
	Standard Methods 4500-O G Field				08/09/2023 10:28
	SW-846 9036 (Total)				08/29/2023 19:46
	SW-846 9040B Field				08/09/2023 10:28
	SW-846 9214 (Total)				08/16/2023 14:47
	SW-846 9251 (Total)				08/29/2023 19:46
23071810-009B	G110	08/09/2023 10:28	08/09/2023 17:52		
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/15/2023 9:28
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/15/2023 9:28
	Standard Methods 2550 B Field				08/09/2023 10:28
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				08/10/2023 16:35
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/10/2023 17:12
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/10/2023 17:12
	SW-846 9036 (Dissolved)				08/23/2023 12:14
	SW-846 9214 (Dissolved)				08/15/2023 13:18
	SW-846 9251 (Dissolved)				08/21/2023 17:50
23071810-009C	G110	08/09/2023 10:28	08/09/2023 17:52		
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/11/2023 12:38	08/15/2023 16:44
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/11/2023 12:38	09/13/2023 23:20

Dates Report

Client: Ramboll **Work Order:** 23071810

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

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			**Prep Date/Time**	**Analysis Date/Time**
23071810-009D	G110	08/09/2023 10:28	08/09/2023 17:52		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			08/14/2023 11:57	08/15/2023 14:02
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/14/2023 11:57	08/31/2023 0:35
	SW-846 7470A (Dissolved)			08/10/2023 10:59	08/11/2023 19:19
23071810-009E	G110	08/09/2023 10:28	08/09/2023 17:52		
	SW-846 9012A (Total)			08/11/2023 9:47	08/14/2023 12:24
23071810-009F	G110	08/09/2023 10:28	08/09/2023 17:52		
	Standard Methods 4500-NH3 G (Dissolved) 1997, 2011				08/11/2023 10:31
23071810-012A	G120	08/09/2023 11:49	08/09/2023 17:52		
	Field Elevation Measurements				08/09/2023 11:49
	Standard Methods 2130 B Field				08/09/2023 11:49
	Standard Methods 18th Ed. 2580 B Field				08/09/2023 11:49
	Standard Methods 2320 B (Total) 1997, 2011				08/11/2023 16:43
	Standard Methods 2320 B 1997, 2011				08/11/2023 16:43
	Standard Methods 2510 B Field				08/09/2023 11:49
	Standard Methods 2540 C (Total) 1997, 2011				08/12/2023 9:43
	Standard Methods 2550 B Field				08/09/2023 11:49
	Standard Methods 4500-O G Field				08/09/2023 11:49
	SW-846 9036 (Total)				08/29/2023 19:54
	SW-846 9040B Field				08/09/2023 11:49
	SW-846 9214 (Total)				08/14/2023 11:49
	SW-846 9251 (Total)				08/29/2023 19:59
23071810-012B	G120	08/09/2023 11:49	08/09/2023 17:52		
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/15/2023 9:40
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/15/2023 9:40
	Standard Methods 2550 B Field				08/09/2023 11:49
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				08/10/2023 16:37
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/10/2023 17:25
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/10/2023 17:25
	SW-846 9036 (Dissolved)				08/21/2023 18:08
	SW-846 9214 (Dissolved)				08/15/2023 13:21
	SW-846 9251 (Dissolved)				08/21/2023 18:27
23071810-012C	G120	08/09/2023 11:49	08/09/2023 17:52		
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/11/2023 18:16	08/15/2023 16:06
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/11/2023 18:16	09/11/2023 17:19
23071810-012D	G120	08/09/2023 11:49	08/09/2023 17:52		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			08/14/2023 11:57	08/15/2023 14:07

Teklab, Inc.
Environmental Laboratory

Dates Report

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

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			**Prep Date/Time**	**Analysis Date/Time**
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/14/2023 11:57	08/31/2023 18:35
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/14/2023 11:57	09/10/2023 21:48
	SW-846 7470A (Dissolved)			08/14/2023 16:30	08/15/2023 16:05
23071810-012E	G120	08/09/2023 11:49	08/09/2023 17:52		
	SW-846 9012A (Total)			08/14/2023 19:01	08/15/2023 12:37
23071810-012F	G120	08/09/2023 11:49	08/09/2023 17:52		
	Standard Methods 4500-NH3 G (Dissolved) 1997, 2011				08/11/2023 11:08
23071810-017A	G125	08/09/2023 13:27	08/09/2023 17:52		
	Field Elevation Measurements				08/09/2023 13:27
	Standard Methods 2130 B Field				08/09/2023 13:27
	Standard Methods 18th Ed. 2580 B Field				08/09/2023 13:27
	Standard Methods 2320 B (Total) 1997, 2011				08/11/2023 16:49
	Standard Methods 2320 B 1997, 2011				08/11/2023 16:49
	Standard Methods 2510 B Field				08/09/2023 13:27
	Standard Methods 2540 C (Total) 1997, 2011				08/12/2023 10:08
	Standard Methods 2550 B Field				08/09/2023 13:27
	Standard Methods 4500-O G Field				08/09/2023 13:27
	SW-846 9036 (Total)				08/29/2023 20:15
	SW-846 9040B Field				08/09/2023 13:27
	SW-846 9214 (Total)				08/14/2023 11:51
	SW-846 9251 (Total)				08/29/2023 20:15
23071810-017B	G125	08/09/2023 13:27	08/09/2023 17:52		
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/15/2023 11:37
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/15/2023 11:37
	Standard Methods 2550 B Field				08/09/2023 13:27
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				08/10/2023 16:39
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/11/2023 11:03
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/11/2023 11:03
	SW-846 9036 (Dissolved)				08/23/2023 13:16
	SW-846 9214 (Dissolved)				08/15/2023 13:39
	SW-846 9251 (Dissolved)				08/21/2023 19:39
23071810-017C	G125	08/09/2023 13:27	08/09/2023 17:52		
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/11/2023 18:16	08/15/2023 16:08
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/11/2023 18:16	09/11/2023 17:43
23071810-017D	G125	08/09/2023 13:27	08/09/2023 17:52		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			08/14/2023 11:57	08/15/2023 14:29
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/14/2023 11:57	08/31/2023 19:00

Teklab, Inc. Environmental Laboratory

Dates Report

Client: Ramboll **Work Order:** 23071810

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

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			**Prep Date/Time**	**Analysis Date/Time**
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/14/2023 11:57	09/10/2023 22:13
	SW-846 7470A (Dissolved)			08/14/2023 16:30	08/15/2023 16:21
23071810-017E	G125	08/09/2023 13:27	08/09/2023 17:52		
	SW-846 9012A (Total)			08/14/2023 19:01	08/15/2023 13:20
23071810-017F	G125	08/09/2023 13:27	08/09/2023 17:52		
	Standard Methods 4500-NH3 G (Dissolved) 1997, 2011				08/11/2023 11:21
23071810-101A	T127	08/09/2023 11:07	08/09/2023 17:52		
	Field Elevation Measurements				08/09/2023 11:08
	Standard Methods 2130 B Field				08/09/2023 11:08
	Standard Methods 18th Ed. 2580 B Field				08/09/2023 11:08
	Standard Methods 2320 B (Total) 1997, 2011				08/11/2023 16:56
	Standard Methods 2320 B 1997, 2011				08/11/2023 16:56
	Standard Methods 2510 B Field				08/09/2023 11:08
	Standard Methods 2540 C (Total) 1997, 2011				08/14/2023 10:23
	Standard Methods 2550 B Field				08/09/2023 11:08
	Standard Methods 4500-O G Field				08/09/2023 11:08
	SW-846 9036 (Total)				08/30/2023 22:31
	SW-846 9040B Field				08/09/2023 11:08
	SW-846 9214 (Total)				08/14/2023 12:36
	SW-846 9251 (Total)				08/30/2023 22:32
23071810-101B	T127	08/09/2023 11:07	08/09/2023 17:52		
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/15/2023 14:24
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/15/2023 14:24
	Standard Methods 2550 B Field				08/09/2023 11:08
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				08/10/2023 16:43
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/11/2023 10:57
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/11/2023 10:57
	SW-846 9036 (Dissolved)				08/29/2023 17:35
	SW-846 9214 (Dissolved)				08/15/2023 13:44
	SW-846 9251 (Dissolved)				08/24/2023 0:25
23071810-101C	T127	08/09/2023 11:07	08/09/2023 17:52		
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/14/2023 11:42	08/15/2023 18:15
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/14/2023 11:42	09/11/2023 14:37
23071810-101D	T127	08/09/2023 11:07	08/09/2023 17:52		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			08/14/2023 13:35	08/16/2023 12:36
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			08/14/2023 13:35	08/16/2023 16:29
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/14/2023 13:35	08/31/2023 22:18

Dates Report

Client: Ramboll **Work Order:** 23071810

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

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			**Prep Date/Time**	**Analysis Date/Time**
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/14/2023 13:35	09/11/2023 2:28
	SW-846 7470A (Dissolved)			08/14/2023 18:11	08/15/2023 19:10
23071810-101E	T127	08/09/2023 11:07	08/09/2023 17:52		
	SW-846 9012A (Total)			08/15/2023 20:13	08/17/2023 6:56
23071810-101F	T127	08/09/2023 11:07	08/09/2023 17:52		
	Standard Methods 4500-NH3 G (Dissolved) 1997, 2011				08/11/2023 11:41
23071810-107A	Field Blank	08/15/2023 10:35	08/15/2023 15:18		
	Standard Methods 2320 B (Total) 1997, 2011				08/17/2023 13:33
	Standard Methods 2320 B 1997, 2011				08/17/2023 13:33
	Standard Methods 2540 C (Total) 1997, 2011				08/16/2023 12:39
	Standard Methods 4500-NO2 B (Total) 2000, 2011				08/15/2023 21:06
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/16/2023 14:23
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/16/2023 14:23
	Standard Methods 4500-P E 1999				08/16/2023 0:00
	Standard Methods 4500-P E 1999, 2011				08/16/2023 13:52
	SW-846 9036 (Total)				08/30/2023 23:33
	SW-846 9214 (Total)				08/16/2023 14:38
	SW-846 9251 (Total)				08/30/2023 23:34
23071810-107B	Field Blank	08/15/2023 10:35	08/15/2023 15:18		
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/17/2023 11:27
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/17/2023 11:27
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				08/15/2023 21:01
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/16/2023 13:12
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/16/2023 13:12
	Standard Methods 4500-P E (Dissolved) 1999, 2011				08/16/2023 13:53
	Standard Methods 4500-P E (Dissolved) 1999				08/16/2023 0:00
	SW-846 9036 (Dissolved)				08/24/2023 1:18
	SW-846 9214 (Dissolved)				08/16/2023 14:41
	SW-846 9251 (Dissolved)				08/24/2023 1:18
23071810-107C	Field Blank	08/15/2023 10:35	08/15/2023 15:18		
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/15/2023 18:29	08/17/2023 10:29
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/15/2023 18:29	08/18/2023 15:59
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/15/2023 18:29	08/30/2023 12:36
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/15/2023 18:29	09/11/2023 12:58
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/15/2023 18:29	09/13/2023 22:48
	SW-846 7470A (Total)			08/22/2023 13:27	08/24/2023 11:44
23071810-107D	Field Blank	08/15/2023 10:35	08/15/2023 15:18		

Teklab, Inc. Environmental Laboratory

Dates Report

Client: Ramboll **Work Order:** 23071810

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

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			**Prep Date/Time**	**Analysis Date/Time**
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			08/15/2023 19:44	08/16/2023 10:09
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			08/15/2023 19:44	08/16/2023 16:04
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			08/15/2023 19:44	08/18/2023 15:52
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/15/2023 19:44	09/01/2023 16:01
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/15/2023 19:44	09/08/2023 2:39
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/15/2023 19:44	09/13/2023 18:44
	SW-846 7470A (Dissolved)			08/22/2023 13:27	08/24/2023 11:46
23071810-107E	Field Blank	08/15/2023 10:35	08/15/2023 15:18		
	SW-846 9012A (Total)			08/16/2023 20:03	08/17/2023 11:33
23071810-107F	Field Blank	08/15/2023 10:35	08/15/2023 15:18		
	SW-846 9060A				09/01/2023 2:44
	SW-846 9066 (Total)				08/23/2023 10:41
23071810-107G	Field Blank	08/15/2023 10:35	08/15/2023 15:18		
	SW-846 9060A				08/31/2023 17:09
23071810-107H	Field Blank	08/15/2023 10:35	08/15/2023 15:18		
	Standard Methods 4500-NH3 G (Dissolved) 1997, 2011				08/16/2023 11:36
23071810-108A	G102 Duplicate	08/09/2023 15:07	08/09/2023 17:52		
	Field Elevation Measurements				08/09/2023 15:07
	Standard Methods 2130 B Field				08/09/2023 15:07
	Standard Methods 18th Ed. 2580 B Field				08/09/2023 15:07
	Standard Methods 2320 B (Total) 1997, 2011				08/14/2023 13:24
	Standard Methods 2320 B 1997, 2011				08/14/2023 13:24
	Standard Methods 2510 B Field				08/09/2023 15:07
	Standard Methods 2540 C (Total) 1997, 2011				08/14/2023 11:45
	Standard Methods 2550 B Field				08/09/2023 15:07
	Standard Methods 4500-O G Field				08/09/2023 15:07
	SW-846 9036 (Total)				08/31/2023 0:01
	SW-846 9040B Field				08/09/2023 15:07
	SW-846 9214 (Total)				08/14/2023 12:40
	SW-846 9251 (Total)				08/30/2023 23:57
23071810-108B	G102 Duplicate	08/09/2023 15:07	08/09/2023 17:52		
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/15/2023 14:36
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/15/2023 14:36
	Standard Methods 2550 B Field				08/09/2023 15:07
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				08/10/2023 16:44
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/10/2023 18:58
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/10/2023 18:58

Teklab, Inc. Environmental Laboratory

Dates Report

Client: Ramboll **Work Order:** 23071810

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

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			**Prep Date/Time**	**Analysis Date/Time**
	SW-846 9036 (Dissolved)				08/24/2023 1:31
	SW-846 9214 (Dissolved)				08/15/2023 13:47
	SW-846 9251 (Dissolved)				08/24/2023 1:26
23071810-108C	G102 Duplicate	08/09/2023 15:07	08/09/2023 17:52		
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/14/2023 11:42	08/15/2023 18:19
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/14/2023 11:42	08/30/2023 23:06
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/11/2023 9:11	09/15/2023 19:47
	SW-846 7470A (Total)			08/14/2023 18:12	08/15/2023 19:21
23071810-108D	G102 Duplicate	08/09/2023 15:07	08/09/2023 17:52		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			08/14/2023 13:35	08/16/2023 12:38
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			08/14/2023 13:35	08/16/2023 16:32
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/14/2023 13:35	08/31/2023 22:30
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/14/2023 13:35	09/11/2023 2:53
	SW-846 7470A (Dissolved)			08/14/2023 18:12	08/15/2023 19:28
23071810-108E	G102 Duplicate	08/09/2023 15:07	08/09/2023 17:52		
	SW-846 9012A (Total)			08/15/2023 20:13	08/17/2023 7:04
23071810-108F	G102 Duplicate	08/09/2023 15:07	08/09/2023 17:52		
	SW-846 9066 (Total)				08/16/2023 10:00
23071810-108G	G102 Duplicate	08/09/2023 15:07	08/09/2023 17:52		
	Standard Methods 4500-NH3 G (Dissolved) 1997, 2011				08/11/2023 12:04

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

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

STANDARD METHODS 2510 B FIELD

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Teklab, Inc.
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Quality Control Results

Client: Ramboll **Work Order:** 23071810

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

SW-846 9040B FIELD

Batch R335486 **SampType:** LCS Units

SampID: LCS 1 -3

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

Batch R335486 **SampType:** LCS Units

SampID: LCS 2-3

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

Batch R335486 **SampType:** LCS Units

SampID: LCS 3-3

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

Batch R335486 **SampType:** LCS Units

SampID: LCS2

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

Batch R335486 **SampType:** LCS Units

SampID: LCS3

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

Batch R335486 **SampType:** LCS Units

SampID: LCS4

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

Batch R335486 **SampType:** LCS Units

SampID: LCS5

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

Batch R335486 **SampType:** LCS Units

SampID: LCS6

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.02**	7.000	0	100.3	98.57	101.4	08/15/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

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

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

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

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

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

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**914**	1000	0	91.4	90	110	08/12/2023

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

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

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

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

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

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

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

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

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

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

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

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

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

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

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**930**	1000	0	93.0	90	110	08/15/2023
Total Dissolved Solids		20	B	**934**	1000	0	93.4	90	110	08/15/2023

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

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

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

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

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

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

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

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

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

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

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

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

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

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

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

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

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

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

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

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

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

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

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

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

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

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

Batch R334884 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.03**	1.000	0	102.6	90	110	08/11/2023

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

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

Teklab, Inc.
Environmental Laboratory

Quality Control Results

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

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

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

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.93**	2.000	0	96.6	1.906	1.41	08/11/2023

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

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

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

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

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

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

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.50**	0.5000	0	100.6	0.4920	2.21	08/10/2023

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

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.50**	0.5000	0	100.4	85	115	08/10/2023

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

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

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

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

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

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

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

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

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

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.50**	0.5000	0	100.4	0.4910	2.22	08/10/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

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

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

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

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

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

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

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

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

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

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.48**	0.5000	0	95.2	0.4740	0.42	08/11/2023

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

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

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

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

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

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.48**	0.5000	0	95.8	85	115	08/11/2023

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

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.47**	0.5000	0	94.6	0.4790	1.26	08/11/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

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

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

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

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

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

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.48**	0.5000	0	95.2	0.4730	0.63	08/11/2023

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

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.48**	0.5000	0	96.4	85	115	08/15/2023

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

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

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

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

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

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.51**	0.5000	0	101.8	0.5130	0.78	08/15/2023

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

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

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

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.49**	0.5000	0	98.0	0.4890	0.20	08/15/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

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

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

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

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

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

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.25		**1.24**	1.250	0	98.8	90	110	08/10/2023

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

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

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

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

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

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.25		**1.24**	1.250	0	99.2	90	110	08/11/2023

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

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

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

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

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

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

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

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

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

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

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.50**	0.5000	0	101.0	85	115	08/11/2023

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

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.50**	0.5000	0	101.0	0.5050	0.00	08/11/2023

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

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

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

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.25		**1.19**	1.250	0	95.2	90	110	08/15/2023

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

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

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

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

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

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

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

Teklab, Inc.
Environmental Laboratory

Quality Control Results

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Teklab, Inc.
Environmental Laboratory

Quality Control Results

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

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

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

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

SampID: 23071810-050BMSD

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

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

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

SampID: ICB/MBLK

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

Batch R334857 **SampType:** LCS Units **mg/L**

SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.525**	0.5000	0	105.0	90	110	08/10/2023

Batch R334857 **SampType:** MS Units **mg/L**

SampID: 23071810-060AMS

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

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

SampID: 23071810-060AMSD

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

Batch R334857 **SampType:** MS Units **mg/L**

SampID: 23071810-070AMS

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

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

SampID: 23071810-070AMSD

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

Teklab, Inc.
Environmental Laboratory

Quality Control Results

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Teklab, Inc.
Environmental Laboratory

Quality Control Results

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

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

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

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

Batch R334997 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**< 0.050**	0.0090	0	0	-100	100	08/14/2023

Batch R334997 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.512**	0.5000	0	102.4	90	110	08/14/2023

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

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

Batch R335048 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.504**	0.5000	0	100.8	90	110	08/15/2023

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

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

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

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

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

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

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

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

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

Batch R335128 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.501**	0.5000	0	100.2	90	110	08/16/2023

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

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

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

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

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

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

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

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

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

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

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

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Teklab, Inc.
Environmental Laboratory

Quality Control Results

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Teklab, Inc.
Environmental Laboratory

Quality Control Results

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

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

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

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

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

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

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

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

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

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

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

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

STANDARD METHODS 4500-P E 1999, 2011

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

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

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

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

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

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

STANDARD METHODS 4500-P E 1999, 2011

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

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

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

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

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

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

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

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

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

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

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

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

SW-846 9012A (TOTAL)

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

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

Teklab, Inc.
Environmental Laboratory

Quality Control Results

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

SW-846 9012A (TOTAL)

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

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

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

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

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

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.025**	0.0250	0	100.2	0.02613	4.26	08/14/2023

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

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

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

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

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

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

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

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

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

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

Teklab, Inc.
Environmental Laboratory

Quality Control Results

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

SW-846 9012A (TOTAL)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Teklab, Inc.
Environmental Laboratory

Quality Control Results

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

SW-846 9012A (TOTAL)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Teklab, Inc.
Environmental Laboratory

Quality Control Results

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

SW-846 9012A (TOTAL)

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

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

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

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

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

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

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

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

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

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

SW-846 9036 (DISSOLVED)

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

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

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

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

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

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

SW-846 9036 (DISSOLVED)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Teklab, Inc.
Environmental Laboratory

Quality Control Results

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

SW-846 9036 (DISSOLVED)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

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

SW-846 9036 (DISSOLVED)

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

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

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

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

SW-846 9036 (TOTAL)

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

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

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

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

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

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

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

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

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

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

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Environmental Laboratory

Quality Control Results

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

SW-846 9036 (TOTAL)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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Quality Control Results

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

SW-846 9036 (TOTAL)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Teklab, Inc.
Environmental Laboratory

Quality Control Results

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

SW-846 9036 (TOTAL)

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

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

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

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

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

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

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

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

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

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

SW-846 9060A

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

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

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

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

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Environmental Laboratory

Quality Control Results

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

SW-846 9060A

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Teklab, Inc.
Environmental Laboratory

Quality Control Results

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

SW-846 9060A

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

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

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

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

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

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Organic Carbon (TOC)		1.0		**6.0**	5.000	1.210	95.2	85	115	08/31/2023

Batch R335851 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23071810-037FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		1.0		**6.2**	5.000	1.210	98.8	5.970	2.97	08/31/2023

Batch R335851 **SampType:** MS Units **mg/L**
SampID: 23071810-065FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Dissolved Organic Carbon		1.0		**6.0**	5.000	1.330	94.4	85	115	08/31/2023

Batch R335851 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23071810-065FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Dissolved Organic Carbon		1.0		**6.2**	5.000	1.330	96.4	6.050	1.64	08/31/2023

Batch R335851 **SampType:** MS Units **mg/L**
SampID: 23071810-073EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Organic Carbon (TOC)		1.0	E	**12.4**	5.000	7.650	94.2	85	115	08/31/2023

Batch R335851 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23071810-073EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		1.0	E	**12.4**	5.000	7.650	94.0	12.36	0.08	08/31/2023

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Environmental Laboratory

Quality Control Results

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

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Batch R335851 **SampType:** MS Units **mg/L**
SampID: 23071810-077GMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Dissolved Organic Carbon		1.0		**5.7**	5.000	0.8800	96.6	85	115	08/31/2023

Batch R335851 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23071810-077GMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Dissolved Organic Carbon		1.0		**5.8**	5.000	0.8800	98.0	5.710	1.22	08/31/2023

Batch R335851 **SampType:** MS Units **mg/L**
SampID: 23071810-078FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Organic Carbon (TOC)		1.0		**7.5**	5.000	2.610	97.6	85	115	09/01/2023

Batch R335851 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23071810-078FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		1.0		**7.3**	5.000	2.610	94.6	7.490	2.02	09/01/2023

Batch R335851 **SampType:** MS Units **mg/L**
SampID: 23071810-105FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Dissolved Organic Carbon		1.0		**6.6**	5.000	1.590	99.6	85	115	08/31/2023

Batch R335851 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23071810-105FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Dissolved Organic Carbon		1.0		**6.3**	5.000	1.590	94.4	6.570	4.04	08/31/2023

Batch R335935 **SampType:** MBLK Units **mg/L**
SampID: FILTER MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Dissolved Organic Carbon		1.0		**< 1.0**	0.4500	0	0	-100	100	09/05/2023

Batch R335935 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Organic Carbon (TOC)		1.0		**< 1.0**	0.4500	0	0	-100	100	09/05/2023

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Quality Control Results

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

SW-846 9060A

Batch R335935 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Organic Carbon (TOC)		1.0		**4.5**	5.000	0	90.4	90	110	09/05/2023

Batch R335935 **SampType:** MS Units **mg/L**
SampID: 23071810-052EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Organic Carbon (TOC)		1.0		**6.3**	5.000	1.600	93.2	85	115	09/05/2023

Batch R335935 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23071810-052EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		1.0		**5.9**	5.000	1.600	86.2	6.260	5.75	09/05/2023

Batch R336068 **SampType:** MBLK Units **mg/L**
SampID: FILTER MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Dissolved Organic Carbon		1.0		**< 1.0**	0.4500	0	0	-100	100	09/07/2023

Batch R336068 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Organic Carbon (TOC)		1.0		**< 1.0**	0.4500	0	0	-100	100	09/07/2023

Batch R336068 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Organic Carbon (TOC)		1.0		**4.9**	5.000	0	97.8	90	110	09/07/2023

SW-846 9066 (TOTAL)

Batch R335106 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005		**< 0.005**	0.0028	0	0	-100	100	08/16/2023

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Quality Control Results

Client: Ramboll **Work Order:** 23071810

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

SW-846 9066 (TOTAL)

Batch R335106 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005		**0.053**	0.0500	0	107.0	90	110	08/16/2023

Batch R335106 **SampType:** MS Units **µg/L**
SampID: 23071810-002FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		5		**54**	50.00	0	108.1	85	115	08/16/2023

Batch R335106 **SampType:** MSD Units **µg/L** RPD Limit **15**
SampID: 23071810-002FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols		5		**54**	50.00	0	108.0	54.07	0.11	08/16/2023

Batch R335106 **SampType:** MS Units **µg/L**
SampID: 23071810-004FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		5		**57**	50.00	3.490	106.5	85	115	08/16/2023

Batch R335106 **SampType:** MSD Units **µg/L** RPD Limit **15**
SampID: 23071810-004FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols		5		**56**	50.00	3.490	104.9	56.76	1.47	08/16/2023

Batch R335286 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005		**< 0.005**	0.0028	0	0	-100	100	08/21/2023

Batch R335286 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005		**0.049**	0.0500	0	98.0	90	110	08/21/2023

Batch R335286 **SampType:** MS Units **µg/L**
SampID: 23071810-028FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		5	S	**59**	50.00	0	117.2	85	115	08/21/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

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

SW-846 9066 (TOTAL)

Batch R335286 **SampType:** MSD Units µg/L RPD Limit 15
SampID: 23071810-028FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols		5	S	**67**	50.00	0	134.2	58.61	13.51	08/21/2023

Batch R335286 **SampType:** MS Units µg/L
SampID: 23071810-030FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		5	S	**86**	50.00	0	172.8	85	115	08/21/2023

Batch R335286 **SampType:** MSD Units µg/L RPD Limit 15
SampID: 23071810-030FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols		5	R	**49**	50.00	0	97.8	86.41	55.44	08/21/2023

Batch R335407 **SampType:** MBLK Units mg/L
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005		**< 0.005**	0.0028	0	0	-100	100	08/23/2023

Batch R335407 **SampType:** LCS Units mg/L
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005		**0.048**	0.0500	0	97.0	90	110	08/23/2023

SW-846 9214 (DISSOLVED)

Batch R334963 **SampType:** MS Units mg/L
SampID: 23071810-006BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.50**	2.000	0.3860	105.8	75	125	08/14/2023

Batch R334963 **SampType:** MSD Units mg/L RPD Limit 15
SampID: 23071810-006BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.44**	2.000	0.3860	102.8	2.502	2.39	08/14/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

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

SW-846 9214 (DISSOLVED)

Batch R334963 **SampType:** MS Units **mg/L**
SampID: 23071810-095BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.31**	2.000	0.3320	98.9	75	125	08/14/2023

Batch R334963 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23071810-095BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.29**	2.000	0.3320	97.7	2.310	1.04	08/14/2023

Batch R335028 **SampType:** MS Units **mg/L**
SampID: 23071810-014BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.18**	2.000	0.2160	98.0	75	125	08/15/2023

Batch R335028 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23071810-014BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.15**	2.000	0.2160	96.9	2.175	0.97	08/15/2023

Batch R335028 **SampType:** MS Units **mg/L**
SampID: 23071810-108BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.12**	2.000	0.2560	93.0	75	125	08/15/2023

Batch R335028 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23071810-108BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.13**	2.000	0.2560	93.6	2.117	0.52	08/15/2023

Batch R335102 **SampType:** MS Units **mg/L**
SampID: 23071810-029BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.61**	2.000	0.4790	106.4	75	125	08/16/2023

Batch R335102 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23071810-029BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.57**	2.000	0.4790	104.4	2.607	1.51	08/16/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

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

SW-846 9214 (DISSOLVED)

Batch R335102 **SampType:** MS Units **mg/L**
SampID: 23071810-036BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.43**	2.000	0.3570	103.8	75	125	08/16/2023

Batch R335102 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23071810-036BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.41**	2.000	0.3570	102.4	2.434	1.16	08/16/2023

Batch R335102 **SampType:** MS Units **mg/L**
SampID: 23071810-042BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.38**	2.000	0.3380	102.2	75	125	08/16/2023

Batch R335102 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23071810-042BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.38**	2.000	0.3380	102.0	2.381	0.13	08/16/2023

Batch R335102 **SampType:** MS Units **mg/L**
SampID: 23071810-107BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**1.97**	2.000	0	98.4	75	125	08/16/2023

Batch R335102 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23071810-107BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.00**	2.000	0	100.2	1.968	1.81	08/16/2023

SW-846 9214 (TOTAL)

Batch R334963 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**< 0.10**	0.0500	0	0	-100	100	08/14/2023

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Quality Control Results

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

SW-846 9214 (TOTAL)

Batch R334963 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**0.97**	1.000	0	97.0	90	110	08/14/2023

Batch R334963 **SampType:** MS Units **mg/L**
SampID: 23071810-071AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.68**	2.000	0.6470	101.6	75	125	08/14/2023

Batch R334963 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23071810-071AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.68**	2.000	0.6470	101.6	2.678	0.04	08/14/2023

Batch R334963 **SampType:** MS Units **mg/L**
SampID: 23071810-105AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.92**	2.000	0.5610	118.0	75	125	08/14/2023

Batch R334963 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23071810-105AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.76**	2.000	0.5610	109.8	2.921	5.78	08/14/2023

Batch R335028 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**< 0.10**	0.0500	0	0	-100	100	08/15/2023

Batch R335028 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**0.94**	1.000	0	94.2	90	110	08/15/2023

Batch R335102 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**< 0.10**	0.0500	0	0	-100	100	08/16/2023

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

SW-846 9214 (TOTAL)

Batch R335102 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**1.00**	1.000	0	99.6	90	110	08/16/2023

Batch R335102 **SampType:** MS Units **mg/L**
SampID: 23071810-034AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.45**	2.000	0.3700	104.0	75	125	08/16/2023

Batch R335102 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23071810-034AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.46**	2.000	0.3700	104.8	2.451	0.57	08/16/2023

Batch R335102 **SampType:** MS Units **mg/L**
SampID: 23071810-043AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.29**	2.000	0.3240	98.2	75	125	08/16/2023

Batch R335102 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23071810-043AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.32**	2.000	0.3240	99.6	2.289	1.13	08/16/2023

Batch R335102 **SampType:** MS Units **mg/L**
SampID: 23071810-061AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.50**	2.000	0.4880	100.8	75	125	08/16/2023

Batch R335102 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23071810-061AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.55**	2.000	0.4880	103.1	2.505	1.78	08/16/2023

Batch R335102 **SampType:** MS Units **mg/L**
SampID: 23071810-075AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**1.99**	2.000	0.1940	89.9	75	125	08/16/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

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

SW-846 9214 (TOTAL)

Batch R335102 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23071810-075AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.05**	2.000	0.1940	92.8	1.992	2.92	08/16/2023

Batch R335102 **SampType:** MS Units **mg/L**
SampID: 23071810-095AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.36**	2.000	0.3380	101.2	75	125	08/16/2023

Batch R335102 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23071810-095AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.42**	2.000	0.3380	104.2	2.361	2.51	08/16/2023

Batch R335102 **SampType:** MS Units **mg/L**
SampID: 23071810-110AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.30**	2.000	0.3160	99.4	75	125	08/16/2023

Batch R335102 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23071810-110AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.27**	2.000	0.3160	97.8	2.304	1.44	08/16/2023

SW-846 9251 (DISSOLVED)

Batch R335223 **SampType:** MS Units **mg/L**
SampID: 23071810-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		40		**270**	200.0	87.24	91.4	85	115	08/18/2023

Batch R335223 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23071810-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		40		**268**	200.0	87.24	90.6	270.0	0.61	08/18/2023

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Environmental Laboratory

Quality Control Results

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

SW-846 9251 (DISSOLVED)

Batch R335354 **SampType:** MS Units **mg/L**
SampID: 23071810-007BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4	E	**51**	20.00	33.70	85.7	85	115	08/21/2023

Batch R335354 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23071810-007BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4	E	**51**	20.00	33.70	85.5	50.83	0.06	08/21/2023

Batch R335354 **SampType:** MS Units **mg/L**
SampID: 23071810-015BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		40		**225**	200.0	45.35	89.7	85	115	08/21/2023

Batch R335354 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23071810-015BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		40		**224**	200.0	45.35	89.5	224.7	0.12	08/21/2023

Batch R335354 **SampType:** MS Units **mg/L**
SampID: 23071810-022BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**23**	20.00	4.140	92.3	85	115	08/21/2023

Batch R335354 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23071810-022BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**23**	20.00	4.140	92.5	22.60	0.18	08/21/2023

Batch R335354 **SampType:** MS Units **mg/L**
SampID: 23071810-037BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		40		**286**	200.0	116.1	85.1	85	115	08/21/2023

Batch R335354 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23071810-037BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		40		**286**	200.0	116.1	85.0	286.3	0.04	08/21/2023

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Quality Control Results

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

SW-846 9251 (DISSOLVED)

Batch R335479 **SampType:** MS Units **mg/L**
SampID: 23071810-053BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		8		**65**	40.00	28.74	91.6	85	115	08/23/2023

Batch R335479 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23071810-053BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		8		**66**	40.00	28.74	94.4	65.37	1.71	08/23/2023

Batch R335479 **SampType:** MS Units **mg/L**
SampID: 23071810-069BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		8		**57**	40.00	21.57	88.1	85	115	08/23/2023

Batch R335479 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23071810-069BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		8		**57**	40.00	21.57	89.1	56.82	0.68	08/23/2023

Batch R335479 **SampType:** MS Units **mg/L**
SampID: 23071810-101BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		40		**230**	200.0	41.06	94.7	85	115	08/24/2023

Batch R335479 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23071810-101BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		40		**229**	200.0	41.06	94.0	230.4	0.55	08/24/2023

Batch R335729 **SampType:** MS Units **mg/L**
SampID: 23071810-062BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**20**	20.00	0.9900	94.8	85	115	08/29/2023

Batch R335729 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23071810-062BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**20**	20.00	0.9900	96.0	19.95	1.20	08/29/2023

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Quality Control Results

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

SW-846 9251 (DISSOLVED)

Batch R335780 **SampType:** MS Units **mg/L**
SampID: 23071810-094BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		400		**3020**	2000	1271	87.5	85	115	08/30/2023

Batch R335780 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23071810-094BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		400		**3080**	2000	1271	90.4	3020	1.89	08/30/2023

SW-846 9251 (TOTAL)

Batch R335223 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**< 4**	0.5000	0	0	-100	100	08/17/2023

Batch R335223 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**20**	20.00	0	100.8	90	110	08/17/2023

Batch R335354 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**< 4**	0.5000	0	0	-100	100	08/21/2023

Batch R335354 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**20**	20.00	0	98.6	90	110	08/21/2023

Batch R335479 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**< 4**	0.5000	0	0	-100	100	08/23/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

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

SW-846 9251 (TOTAL)

Batch R335479 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**20**	20.00	0	101.8	90	110	08/23/2023

Batch R335479 **SampType:** MS Units **mg/L**
SampID: 23071810-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		8		**66**	40.00	30.93	86.6	85	115	08/24/2023

Batch R335479 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23071810-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		8		**67**	40.00	30.93	90.3	65.58	2.23	08/24/2023

Batch R335729 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**< 4**	0.5000	0	0	-100	100	08/29/2023

Batch R335729 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**20**	20.00	0	100.6	90	110	08/29/2023

Batch R335729 **SampType:** MS Units **mg/L**
SampID: 23071810-017AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		40		**270**	200.0	81.59	94.1	85	115	08/29/2023

Batch R335729 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23071810-017AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		40		**268**	200.0	81.59	93.0	269.8	0.81	08/29/2023

Batch R335729 **SampType:** MS Units **mg/L**
SampID: 23071810-031AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4	E	**61**	20.00	42.33	93.0	85	115	08/29/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

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

SW-846 9251 (TOTAL)

Batch R335729 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23071810-031AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4	E	**60**	20.00	42.33	89.3	60.92	1.21	08/29/2023

Batch R335780 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**< 4**	0.5000	0	0	-100	100	08/30/2023

Batch R335780 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**20**	20.00	0	99.7	90	110	08/30/2023

Batch R335780 **SampType:** MS Units **mg/L**
SampID: 23071810-043AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**29**	20.00	11.31	87.8	85	115	08/30/2023

Batch R335780 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23071810-043AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**29**	20.00	11.31	87.8	28.87	0.00	08/30/2023

Batch R335780 **SampType:** MS Units **mg/L**
SampID: 23071810-101AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		20		**140**	100.0	45.31	94.3	85	115	08/30/2023

Batch R335780 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23071810-101AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		20		**142**	100.0	45.31	96.9	139.6	1.89	08/30/2023

Batch R335932 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**< 4**	0.5000	0	0	-100	100	09/01/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

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

SW-846 9251 (TOTAL)

Batch R335932 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**20**	20.00	0	102.0	90	110	09/01/2023

Batch R336035 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**< 4**	0.5000	0	0	-100	100	09/06/2023

Batch R336035 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**21**	20.00	0	103.2	90	110	09/06/2023

Batch R336144 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**< 4**	0.5000	0	0	-100	100	09/08/2023

Batch R336144 **SampType:** MBLK Units **mg/L**
SampID: MBLK-211677

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride	*	4		**< 4**	0.5000	0	0	-100	100	09/08/2023

Batch R336144 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**19**	20.00	0	95.6	90	110	09/08/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

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

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

Batch 210784 **SampType:** MBLK Units **mg/L**

SampID: MBLK-210784

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**< 0.0250**	0.0127	0	0	-100	100	08/14/2023
Antimony		0.0500		**< 0.0500**	0.0068	0	0	-100	100	08/14/2023
Arsenic		0.0250		**< 0.0250**	0.0087	0	0	-100	100	08/14/2023
Barium		0.0025		**< 0.0025**	0.0007	0	0	-100	100	08/14/2023
Beryllium		0.0005		**< 0.0005**	0.0002	0	0	-100	100	08/14/2023
Boron		0.0200		**< 0.0200**	0.0090	0	0	-100	100	08/14/2023
Cadmium		0.0020		**< 0.0020**	0.0005	0	0	-100	100	08/14/2023
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	08/14/2023
Chromium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	08/14/2023
Cobalt		0.0050		**< 0.0050**	0.0020	0	0	-100	100	08/14/2023
Copper		0.0050		**< 0.0050**	0.0013	0	0	-100	100	08/14/2023
Iron		0.0400		**< 0.0400**	0.0200	0	0	-100	100	08/14/2023
Lead		0.0150		**< 0.0150**	0.0014	0	0	-100	100	08/14/2023
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	08/14/2023
Manganese		0.0070		**< 0.0070**	0.0025	0	0	-100	100	08/14/2023
Molybdenum		0.0100		**< 0.0100**	0.0037	0	0	-100	100	08/14/2023
Nickel		0.0050		**< 0.0050**	0.0016	0	0	-100	100	08/14/2023
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	08/14/2023
Selenium		0.0400		**< 0.0400**	0.0170	0	0	-100	100	08/14/2023
Silver		0.0070		**< 0.0070**	0.0027	0	0	-100	100	08/14/2023
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	08/14/2023
Thallium		0.0500		**< 0.0500**	0.0111	0	0	-100	100	08/14/2023
Vanadium		0.0100		**< 0.0100**	0.0009	0	0	-100	100	08/14/2023
Zinc		0.0100		**< 0.0100**	0.0050	0	0	-100	100	08/14/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

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

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

Batch 210784 **SampType:** LCS Units **mg/L**
SampID: LCS-210784

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**1.74**	2.000	0	87.2	85	115	08/14/2023
Antimony		0.0500		**0.463**	0.5000	0	92.5	85	115	08/14/2023
Arsenic		0.0250		**0.479**	0.5000	0	95.8	85	115	08/14/2023
Barium		0.0025		**1.88**	2.000	0	94.0	85	115	08/14/2023
Beryllium		0.0005		**0.0449**	0.0500	0	89.8	85	115	08/14/2023
Boron		0.0200		**0.450**	0.5000	0	89.9	85	115	08/14/2023
Cadmium		0.0020		**0.0501**	0.0500	0	100.2	85	115	08/14/2023
Calcium		0.100		**2.34**	2.500	0	93.7	85	115	08/14/2023
Chromium		0.0050		**0.182**	0.2000	0	91.0	85	115	08/14/2023
Cobalt		0.0050		**0.449**	0.5000	0	89.8	85	115	08/14/2023
Copper		0.0050		**0.230**	0.2500	0	92.1	85	115	08/14/2023
Iron		0.0400		**1.85**	2.000	0	92.7	85	115	08/14/2023
Lead		0.0150		**0.459**	0.5000	0	91.7	85	115	08/14/2023
Magnesium		0.0500		**2.16**	2.500	0	86.3	85	115	08/14/2023
Manganese		0.0070		**0.436**	0.5000	0	87.3	85	115	08/14/2023
Molybdenum		0.0100		**0.452**	0.5000	0	90.4	85	115	08/14/2023
Nickel		0.0050		**0.466**	0.5000	0	93.2	85	115	08/14/2023
Potassium		0.100		**2.53**	2.500	0	101.3	85	115	08/14/2023
Selenium		0.0400		**0.443**	0.5000	0	88.6	85	115	08/14/2023
Silver		0.0070		**0.0485**	0.0500	0	97.0	85	115	08/14/2023
Sodium		0.0500		**2.35**	2.500	0	94.1	85	115	08/14/2023
Thallium		0.0500		**0.220**	0.2500	0	88.2	85	115	08/14/2023
Vanadium		0.0100		**0.463**	0.5000	0	92.6	85	115	08/14/2023
Zinc		0.0100		**0.460**	0.5000	0	92.0	85	115	08/14/2023

Batch 210784 **SampType:** MS Units **mg/L**
SampID: 23071810-002DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**71.5**	2.500	70.76	31.2	75	125	08/14/2023
Magnesium		0.0500	S	**32.4**	2.500	30.84	61.9	75	125	08/14/2023
Potassium		0.100		**2.91**	2.500	0.4298	99.3	75	125	08/14/2023
Sodium		0.0500	S	**63.8**	2.500	62.24	61.6	75	125	08/14/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

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

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

Batch 210784 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 23071810-002DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**72.3**	2.500	70.76	61.2	71.54	1.04	08/14/2023
Magnesium		0.0500	S	**32.7**	2.500	30.84	72.4	32.39	0.81	08/14/2023
Potassium		0.100		**2.88**	2.500	0.4298	98.0	2.912	1.09	08/14/2023
Sodium		0.0500		**64.2**	2.500	62.24	78.0	63.78	0.64	08/14/2023

Batch 210814 **SampType:** MBLK Units **mg/L**

SampID: MBLK-210814

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**< 0.0250**	0.0127	0	0	-100	100	08/15/2023
Antimony		0.0500		**< 0.0500**	0.0068	0	0	-100	100	08/15/2023
Arsenic		0.0250		**< 0.0250**	0.0087	0	0	-100	100	08/15/2023
Barium		0.0025		**< 0.0025**	0.0007	0	0	-100	100	08/15/2023
Beryllium		0.0005		**< 0.0005**	0.0002	0	0	-100	100	08/15/2023
Boron		0.0200		**< 0.0200**	0.0090	0	0	-100	100	08/15/2023
Cadmium		0.0020		**< 0.0020**	0.0005	0	0	-100	100	08/15/2023
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	08/15/2023
Chromium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	08/15/2023
Cobalt		0.0050		**< 0.0050**	0.0020	0	0	-100	100	08/15/2023
Copper		0.0050		**< 0.0050**	0.0013	0	0	-100	100	08/15/2023
Iron		0.0400		**< 0.0400**	0.0200	0	0	-100	100	08/15/2023
Lead		0.0150		**< 0.0150**	0.0014	0	0	-100	100	08/15/2023
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	08/15/2023
Manganese		0.0070		**< 0.0070**	0.0025	0	0	-100	100	08/15/2023
Molybdenum		0.0100		**< 0.0100**	0.0037	0	0	-100	100	08/15/2023
Nickel		0.0050		**< 0.0050**	0.0016	0	0	-100	100	08/15/2023
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	08/15/2023
Selenium		0.0400		**< 0.0400**	0.0170	0	0	-100	100	08/15/2023
Silver		0.0070		**< 0.0070**	0.0027	0	0	-100	100	08/15/2023
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	08/15/2023
Thallium		0.0500		**< 0.0500**	0.0111	0	0	-100	100	08/15/2023
Vanadium		0.0100		**< 0.0100**	0.0009	0	0	-100	100	08/15/2023
Zinc		0.0100		**< 0.0100**	0.0050	0	0	-100	100	08/15/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

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

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

Batch 210814 **SampType:** LCS Units **mg/L**

SampID: LCS-210814

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**1.79**	2.000	0	89.3	85	115	08/15/2023
Antimony		0.0500		**0.460**	0.5000	0	91.9	85	115	08/15/2023
Arsenic		0.0250		**0.495**	0.5000	0	99.0	85	115	08/15/2023
Barium		0.0025		**1.80**	2.000	0	90.0	85	115	08/15/2023
Beryllium		0.0005		**0.0459**	0.0500	0	91.8	85	115	08/15/2023
Boron		0.0200		**0.466**	0.5000	0	93.3	85	115	08/15/2023
Cadmium		0.0020		**0.0473**	0.0500	0	94.6	85	115	08/15/2023
Calcium		0.100		**2.38**	2.500	0	95.2	85	115	08/15/2023
Chromium		0.0050		**0.182**	0.2000	0	90.8	85	115	08/15/2023
Cobalt		0.0050		**0.464**	0.5000	0	92.8	85	115	08/15/2023
Copper		0.0050		**0.231**	0.2500	0	92.3	85	115	08/15/2023
Iron		0.0400		**1.81**	2.000	0	90.6	85	115	08/15/2023
Lead		0.0150		**0.463**	0.5000	0	92.6	85	115	08/15/2023
Magnesium		0.0500		**2.20**	2.500	0	87.9	85	115	08/15/2023
Manganese		0.0070		**0.451**	0.5000	0	90.2	85	115	08/15/2023
Molybdenum		0.0100		**0.445**	0.5000	0	89.0	85	115	08/15/2023
Nickel		0.0050		**0.470**	0.5000	0	94.0	85	115	08/15/2023
Potassium		0.100		**2.53**	2.500	0	101.3	85	115	08/15/2023
Selenium		0.0400		**0.474**	0.5000	0	94.9	85	115	08/15/2023
Silver		0.0070		**0.0440**	0.0500	0	88.0	85	115	08/15/2023
Sodium		0.0500		**2.27**	2.500	0	90.9	85	115	08/15/2023
Thallium		0.0500		**0.244**	0.2500	0	97.4	85	115	08/15/2023
Vanadium		0.0100		**0.450**	0.5000	0	90.1	85	115	08/15/2023
Zinc		0.0100		**0.468**	0.5000	0	93.7	85	115	08/15/2023

Batch 210814 **SampType:** MS Units **mg/L**

SampID: 23071810-004DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**74.5**	5.000	71.35	63.8	75	125	08/15/2023
Magnesium		0.0500	S	**35.1**	5.000	31.51	72.5	75	125	08/15/2023
Potassium		0.100		**6.18**	5.000	1.150	100.5	75	125	08/15/2023
Sodium		0.0500	S	**53.4**	5.000	51.02	47.4	75	125	08/15/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

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

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

Batch 210814 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 23071810-004DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**74.6**	5.000	71.35	64.8	74.54	0.07	08/15/2023
Magnesium		0.0500	S	**35.0**	5.000	31.51	70.1	35.14	0.35	08/15/2023
Potassium		0.100		**5.77**	5.000	1.150	92.3	6.177	6.87	08/15/2023
Sodium		0.0500	S	**53.1**	5.000	51.02	42.2	53.39	0.49	08/15/2023

Batch 210814 **SampType:** MS Units **mg/L**
SampID: 23071810-016CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**82.7**	2.500	80.23	99.2	75	125	08/15/2023
Magnesium		0.0500		**39.0**	2.500	36.68	94.1	75	125	08/15/2023
Potassium		0.100		**2.95**	2.500	0.3913	102.2	75	125	08/15/2023
Sodium		0.0500	S	**54.3**	2.500	52.86	57.2	75	125	08/15/2023

Batch 210814 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 23071810-016CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100		**83.1**	2.500	80.23	113.2	82.71	0.42	08/15/2023
Magnesium		0.0500		**38.9**	2.500	36.68	88.5	39.03	0.36	08/15/2023
Potassium		0.100		**2.91**	2.500	0.3913	100.9	2.946	1.15	08/15/2023
Sodium		0.0500	S	**54.1**	2.500	52.86	48.0	54.29	0.42	08/15/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

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

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

Batch 210815 **SampType:** MBLK Units **mg/L**

SampID: MBLK-210815

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**< 0.0250**	0.0127	0	0	-100	100	08/15/2023
Antimony		0.0500		**< 0.0500**	0.0068	0	0	-100	100	08/15/2023
Arsenic		0.0250		**< 0.0250**	0.0087	0	0	-100	100	08/15/2023
Barium		0.0025		**< 0.0025**	0.0007	0	0	-100	100	08/15/2023
Beryllium		0.0005		**< 0.0005**	0.0002	0	0	-100	100	08/15/2023
Boron		0.0200		**< 0.0200**	0.0090	0	0	-100	100	08/15/2023
Cadmium		0.0020		**< 0.0020**	0.0005	0	0	-100	100	08/15/2023
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	08/15/2023
Chromium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	08/15/2023
Cobalt		0.0050		**< 0.0050**	0.0020	0	0	-100	100	08/15/2023
Copper		0.0050		**< 0.0050**	0.0013	0	0	-100	100	08/15/2023
Iron		0.0400		**< 0.0400**	0.0200	0	0	-100	100	08/15/2023
Lead		0.0150		**< 0.0150**	0.0014	0	0	-100	100	08/15/2023
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	08/15/2023
Manganese		0.0070		**< 0.0070**	0.0025	0	0	-100	100	08/15/2023
Molybdenum		0.0100		**< 0.0100**	0.0037	0	0	-100	100	08/15/2023
Nickel		0.0050		**< 0.0050**	0.0016	0	0	-100	100	08/15/2023
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	08/15/2023
Selenium		0.0400		**< 0.0400**	0.0170	0	0	-100	100	08/15/2023
Silicon	*	0.0500		**< 0.0500**	0.0122	0	0	-100	100	08/15/2023
Silver		0.0070		**< 0.0070**	0.0027	0	0	-100	100	08/15/2023
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	08/15/2023
Thallium		0.0500		**< 0.0500**	0.0111	0	0	-100	100	08/15/2023
Vanadium		0.0100		**< 0.0100**	0.0009	0	0	-100	100	08/15/2023
Zinc		0.0100		**< 0.0100**	0.0050	0	0	-100	100	08/15/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

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

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

Batch 210815 **SampType:** LCS Units **mg/L**

SampID: LCS-210815

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**1.79**	2.000	0	89.3	85	115	08/15/2023
Antimony		0.0500		**0.468**	0.5000	0	93.6	85	115	08/15/2023
Arsenic		0.0250		**0.495**	0.5000	0	99.0	85	115	08/15/2023
Barium		0.0025		**1.79**	2.000	0	89.3	85	115	08/15/2023
Beryllium		0.0005		**0.0462**	0.0500	0	92.4	85	115	08/15/2023
Boron		0.0200		**0.468**	0.5000	0	93.6	85	115	08/15/2023
Cadmium		0.0020		**0.0487**	0.0500	0	97.4	85	115	08/15/2023
Calcium		0.100		**2.37**	2.500	0	94.7	85	115	08/15/2023
Chromium		0.0050		**0.183**	0.2000	0	91.4	85	115	08/15/2023
Cobalt		0.0050		**0.467**	0.5000	0	93.3	85	115	08/15/2023
Copper		0.0050		**0.229**	0.2500	0	91.6	85	115	08/15/2023
Iron		0.0400		**1.82**	2.000	0	91.1	85	115	08/15/2023
Lead		0.0150		**0.472**	0.5000	0	94.3	85	115	08/15/2023
Magnesium		0.0500		**2.22**	2.500	0	89.0	85	115	08/15/2023
Manganese		0.0070		**0.452**	0.5000	0	90.5	85	115	08/15/2023
Molybdenum		0.0100		**0.449**	0.5000	0	89.9	85	115	08/15/2023
Nickel		0.0050		**0.478**	0.5000	0	95.7	85	115	08/15/2023
Potassium		0.100		**2.50**	2.500	0	99.9	85	115	08/15/2023
Selenium		0.0400		**0.480**	0.5000	0	95.9	85	115	08/15/2023
Silicon	*	0.0500		**0.443**	0.5000	0	88.6	85	115	08/15/2023
Silver		0.0070		**0.0437**	0.0500	0	87.4	85	115	08/15/2023
Sodium		0.0500		**2.27**	2.500	0	90.7	85	115	08/15/2023
Thallium		0.0500		**0.236**	0.2500	0	94.6	85	115	08/15/2023
Vanadium		0.0100		**0.453**	0.5000	0	90.6	85	115	08/15/2023
Zinc		0.0100		**0.473**	0.5000	0	94.7	85	115	08/15/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

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

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

Batch 210815 **SampType:** MS Units **mg/L**

SampID: 23071810-034DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**1.80**	2.000	0	90.0	75	125	08/15/2023
Arsenic		0.0250		**0.512**	0.5000	0	102.5	75	125	08/15/2023
Barium		0.0025		**1.88**	2.000	0.07570	90.1	75	125	08/15/2023
Beryllium		0.0005		**0.0469**	0.0500	0	93.8	75	125	08/15/2023
Boron		0.0200		**0.471**	0.5000	0	94.2	75	125	08/15/2023
Cadmium		0.0020		**0.0472**	0.0500	0	94.4	75	125	08/15/2023
Chromium		0.0050		**0.183**	0.2000	0	91.7	75	125	08/15/2023
Copper		0.0050		**0.234**	0.2500	0	93.6	75	125	08/15/2023
Iron		0.0400		**1.81**	2.000	0	90.3	75	125	08/15/2023
Lead		0.0150		**0.460**	0.5000	0	92.1	75	125	08/15/2023
Manganese		0.0070		**0.490**	0.5000	0.03660	90.7	75	125	08/15/2023
Molybdenum		0.0100		**0.458**	0.5000	0	91.6	75	125	08/15/2023
Nickel		0.0050		**0.478**	0.5000	0	95.5	75	125	08/15/2023
Silver		0.0070		**0.0444**	0.0500	0	88.8	75	125	08/15/2023
Zinc		0.0100		**0.480**	0.5000	0	96.0	75	125	08/15/2023

Batch 210815 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 23071810-034DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		0.0250		**1.79**	2.000	0	89.4	1.799	0.64	08/15/2023
Arsenic		0.0250		**0.511**	0.5000	0	102.3	0.5125	0.23	08/15/2023
Barium		0.0025		**1.87**	2.000	0.07570	89.5	1.878	0.60	08/15/2023
Beryllium		0.0005		**0.0467**	0.0500	0	93.4	0.04690	0.43	08/15/2023
Boron		0.0200		**0.470**	0.5000	0	94.0	0.4711	0.21	08/15/2023
Cadmium		0.0020		**0.0472**	0.0500	0	94.4	0.04720	0.00	08/15/2023
Chromium		0.0050		**0.183**	0.2000	0	91.7	0.1834	0.05	08/15/2023
Copper		0.0050		**0.235**	0.2500	0	94.0	0.2339	0.47	08/15/2023
Iron		0.0400		**1.80**	2.000	0	90.2	1.806	0.08	08/15/2023
Lead		0.0150		**0.461**	0.5000	0	92.2	0.4603	0.11	08/15/2023
Manganese		0.0070		**0.490**	0.5000	0.03660	90.7	0.4901	0.04	08/15/2023
Molybdenum		0.0100		**0.458**	0.5000	0	91.5	0.4580	0.07	08/15/2023
Nickel		0.0050		**0.476**	0.5000	0	95.3	0.4775	0.25	08/15/2023
Silver		0.0070		**0.0445**	0.0500	0	89.0	0.04440	0.22	08/15/2023
Zinc		0.0100		**0.480**	0.5000	0	95.9	0.4802	0.15	08/15/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

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

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

Batch 210815 **SampType:** MS Units **mg/L**

SampID: 23071810-036DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**1.83**	2.000	0	91.6	75	125	08/15/2023
Arsenic		0.0250		**0.514**	0.5000	0	102.8	75	125	08/15/2023
Barium		0.0025		**1.86**	2.000	0.05010	90.3	75	125	08/15/2023
Beryllium		0.0005		**0.0461**	0.0500	0	92.2	75	125	08/15/2023
Boron		0.0200		**1.47**	0.5000	1.000	94.4	75	125	08/15/2023
Cadmium		0.0020		**0.0473**	0.0500	0	94.6	75	125	08/15/2023
Chromium		0.0050		**0.182**	0.2000	0	90.8	75	125	08/15/2023
Copper		0.0050		**0.234**	0.2500	0	93.5	75	125	08/15/2023
Iron		0.0400		**7.54**	2.000	5.680	93.0	75	125	08/15/2023
Lead		0.0150		**0.452**	0.5000	0	90.5	75	125	08/15/2023
Manganese		0.0070		**0.976**	0.5000	0.5338	88.4	75	125	08/15/2023
Molybdenum		0.0100		**0.458**	0.5000	0	91.6	75	125	08/15/2023
Nickel		0.0050		**0.470**	0.5000	0	94.0	75	125	08/15/2023
Silver		0.0070		**0.0458**	0.0500	0	91.6	75	125	08/15/2023
Zinc		0.0100		**0.474**	0.5000	0	94.8	75	125	08/15/2023

Batch 210815 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 23071810-036DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		0.0250		**1.83**	2.000	0	91.7	1.832	0.08	08/15/2023
Arsenic		0.0250		**0.519**	0.5000	0	103.8	0.5140	0.93	08/15/2023
Barium		0.0025		**1.86**	2.000	0.05010	90.7	1.856	0.42	08/15/2023
Beryllium		0.0005		**0.0465**	0.0500	0	93.0	0.04610	0.86	08/15/2023
Boron		0.0200		**1.48**	0.5000	1.000	95.8	1.472	0.48	08/15/2023
Cadmium		0.0020		**0.0469**	0.0500	0	93.8	0.04730	0.85	08/15/2023
Chromium		0.0050		**0.182**	0.2000	0	91.2	0.1816	0.44	08/15/2023
Copper		0.0050		**0.237**	0.2500	0	94.7	0.2337	1.28	08/15/2023
Iron		0.0400		**7.59**	2.000	5.680	95.5	7.540	0.66	08/15/2023
Lead		0.0150		**0.456**	0.5000	0	91.1	0.4525	0.68	08/15/2023
Manganese		0.0070		**0.983**	0.5000	0.5338	89.8	0.9760	0.71	08/15/2023
Molybdenum		0.0100		**0.457**	0.5000	0	91.4	0.4579	0.17	08/15/2023
Nickel		0.0050		**0.473**	0.5000	0	94.6	0.4700	0.68	08/15/2023
Silver		0.0070		**0.0466**	0.0500	0	93.2	0.04580	1.73	08/15/2023
Zinc		0.0100		**0.478**	0.5000	0	95.6	0.4741	0.84	08/15/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

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

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

Batch 210825 **SampType:** MBLK Units **mg/L**

SampID: MBLK-210825

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**< 0.0250**	0.0127	0	0	-100	100	08/16/2023
Antimony		0.0500		**< 0.0500**	0.0068	0	0	-100	100	08/16/2023
Arsenic		0.0250		**< 0.0250**	0.0087	0	0	-100	100	08/16/2023
Barium		0.0025		**< 0.0025**	0.0007	0	0	-100	100	08/16/2023
Beryllium		0.0005		**< 0.0005**	0.0002	0	0	-100	100	08/16/2023
Boron		0.0200		**< 0.0200**	0.0090	0	0	-100	100	08/16/2023
Cadmium		0.0020		**< 0.0020**	0.0005	0	0	-100	100	08/16/2023
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	08/16/2023
Chromium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	08/16/2023
Cobalt		0.0050		**< 0.0050**	0.0020	0	0	-100	100	08/16/2023
Copper		0.0050		**< 0.0050**	0.0013	0	0	-100	100	08/16/2023
Iron		0.0400		**< 0.0400**	0.0200	0	0	-100	100	08/16/2023
Lead		0.0150		**< 0.0150**	0.0014	0	0	-100	100	08/16/2023
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	08/16/2023
Manganese		0.0070		**< 0.0070**	0.0025	0	0	-100	100	08/16/2023
Molybdenum		0.0100		**< 0.0100**	0.0037	0	0	-100	100	08/16/2023
Nickel		0.0050		**< 0.0050**	0.0016	0	0	-100	100	08/16/2023
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	08/16/2023
Selenium		0.0400		**< 0.0400**	0.0170	0	0	-100	100	08/16/2023
Silicon	*	0.0500		**< 0.0500**	0.0122	0	0	-100	100	08/16/2023
Silver		0.0070		**< 0.0070**	0.0027	0	0	-100	100	08/16/2023
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	08/16/2023
Thallium		0.0500		**< 0.0500**	0.0111	0	0	-100	100	08/16/2023
Vanadium		0.0100		**< 0.0100**	0.0009	0	0	-100	100	08/16/2023
Zinc		0.0100		**< 0.0100**	0.0050	0	0	-100	100	08/16/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

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

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

Batch 210825 **SampType:** LCS Units **mg/L**

SampID: LCS-210825

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**1.77**	2.000	0	88.3	85	115	08/16/2023
Antimony		0.0500		**0.448**	0.5000	0	89.7	85	115	08/16/2023
Arsenic		0.0250		**0.443**	0.5000	0	88.5	85	115	08/16/2023
Barium		0.0025		**1.82**	2.000	0	91.2	85	115	08/16/2023
Beryllium		0.0005		**0.0433**	0.0500	0	86.6	85	115	08/16/2023
Boron		0.0200		**0.436**	0.5000	0	87.2	85	115	08/16/2023
Cadmium		0.0020		**0.0434**	0.0500	0	86.8	85	115	08/16/2023
Calcium		0.100		**2.38**	2.500	0	95.3	85	115	08/16/2023
Chromium		0.0050		**0.175**	0.2000	0	87.5	85	115	08/16/2023
Cobalt		0.0050		**0.441**	0.5000	0	88.2	85	115	08/16/2023
Copper		0.0050		**0.230**	0.2500	0	92.0	85	115	08/16/2023
Iron		0.0400		**1.74**	2.000	0	87.2	85	115	08/16/2023
Lead		0.0150		**0.430**	0.5000	0	86.0	85	115	08/16/2023
Magnesium		0.0500		**2.30**	2.500	0	92.0	85	115	08/17/2023
Manganese		0.0070		**0.435**	0.5000	0	87.0	85	115	08/16/2023
Molybdenum		0.0100		**0.428**	0.5000	0	85.7	85	115	08/16/2023
Nickel		0.0050		**0.437**	0.5000	0	87.3	85	115	08/16/2023
Potassium		0.100		**2.50**	2.500	0	100.1	85	115	08/16/2023
Selenium		0.0400		**0.425**	0.5000	0	85.0	85	115	08/16/2023
Silicon	*	0.0500		**0.451**	0.5000	0	90.2	85	115	08/16/2023
Silver		0.0070		**0.0464**	0.0500	0	92.8	85	115	08/16/2023
Sodium		0.0500		**2.28**	2.500	0	91.1	85	115	08/16/2023
Thallium		0.0500		**0.220**	0.2500	0	88.0	85	115	08/16/2023
Vanadium		0.0100		**0.439**	0.5000	0	87.8	85	115	08/16/2023
Zinc		0.0100		**0.438**	0.5000	0	87.6	85	115	08/16/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

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

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

Batch 210825 **SampType:** MS Units **mg/L**

SampID: 23071810-082DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**1.80**	2.000	0.02590	88.8	75	125	08/16/2023
Arsenic		0.0250		**0.478**	0.5000	0	95.7	75	125	08/16/2023
Boron		0.0200		**0.569**	0.5000	0.1270	88.3	75	125	08/16/2023
Copper		0.0050		**0.240**	0.2500	0	95.9	75	125	08/16/2023
Iron		0.0400		**2.73**	2.000	0.8447	94.3	75	125	08/16/2023
Lead		0.0150		**0.432**	0.5000	0	86.3	75	125	08/16/2023
Manganese		0.0070		**3.36**	0.5000	2.966	78.6	75	125	08/16/2023
Nickel		0.0050		**0.436**	0.5000	0	87.1	75	125	08/16/2023
Silver		0.0070		**0.0502**	0.0500	0.003200	94.0	75	125	08/16/2023
Zinc		0.0100		**0.452**	0.5000	0	90.3	75	125	08/16/2023

Batch 210825 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 23071810-082DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		0.0250		**1.81**	2.000	0.02590	89.1	1.802	0.38	08/16/2023
Arsenic		0.0250		**0.471**	0.5000	0	94.1	0.4783	1.60	08/16/2023
Boron		0.0200		**0.567**	0.5000	0.1270	88.0	0.5686	0.25	08/16/2023
Copper		0.0050		**0.237**	0.2500	0	94.9	0.2398	1.09	08/16/2023
Iron		0.0400		**2.72**	2.000	0.8447	93.8	2.730	0.37	08/16/2023
Lead		0.0150		**0.429**	0.5000	0	85.9	0.4316	0.51	08/16/2023
Manganese		0.0070		**3.36**	0.5000	2.966	78.5	3.359	0.01	08/16/2023
Nickel		0.0050		**0.435**	0.5000	0	87.1	0.4356	0.07	08/16/2023
Silver		0.0070		**0.0497**	0.0500	0.003200	93.0	0.05020	1.00	08/16/2023
Zinc		0.0100		**0.446**	0.5000	0	89.2	0.4517	1.27	08/16/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

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

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

Batch 210902 **SampType:** MBLK Units **mg/L**

SampID: MBLK-210902

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**< 0.0250**	0.0127	0	0	-100	100	08/16/2023
Antimony		0.0500		**< 0.0500**	0.0068	0	0	-100	100	08/16/2023
Arsenic		0.0250		**< 0.0250**	0.0087	0	0	-100	100	08/16/2023
Barium		0.0025		**< 0.0025**	0.0007	0	0	-100	100	08/16/2023
Beryllium		0.0005		**< 0.0005**	0.0002	0	0	-100	100	08/16/2023
Boron		0.0200		**< 0.0200**	0.0090	0	0	-100	100	08/16/2023
Cadmium		0.0020		**< 0.0020**	0.0005	0	0	-100	100	08/16/2023
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	08/16/2023
Chromium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	08/16/2023
Cobalt		0.0050		**< 0.0050**	0.0020	0	0	-100	100	08/16/2023
Copper		0.0050		**< 0.0050**	0.0013	0	0	-100	100	08/16/2023
Iron		0.0400		**< 0.0400**	0.0200	0	0	-100	100	08/16/2023
Lead		0.0150		**< 0.0150**	0.0014	0	0	-100	100	08/16/2023
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	08/16/2023
Manganese		0.0070		**< 0.0070**	0.0025	0	0	-100	100	08/16/2023
Molybdenum		0.0100		**< 0.0100**	0.0037	0	0	-100	100	08/16/2023
Nickel		0.0050		**< 0.0050**	0.0016	0	0	-100	100	08/16/2023
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	08/16/2023
Selenium		0.0400		**< 0.0400**	0.0170	0	0	-100	100	08/16/2023
Silicon	*	0.0500		**< 0.0500**	0.0122	0	0	-100	100	08/16/2023
Silver		0.0070		**< 0.0070**	0.0027	0	0	-100	100	08/16/2023
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	08/16/2023
Thallium		0.0500		**< 0.0500**	0.0111	0	0	-100	100	08/16/2023
Vanadium		0.0100		**< 0.0100**	0.0009	0	0	-100	100	08/16/2023
Zinc		0.0100		**< 0.0100**	0.0050	0	0	-100	100	08/16/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

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

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

Batch 210902 **SampType:** LCS Units **mg/L**

SampID: LCS-210902

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**1.78**	2.000	0	89.2	85	115	08/16/2023
Antimony		0.0500		**0.451**	0.5000	0	90.2	85	115	08/16/2023
Arsenic		0.0250		**0.450**	0.5000	0	90.0	85	115	08/16/2023
Barium		0.0025		**1.84**	2.000	0	92.1	85	115	08/16/2023
Beryllium		0.0005		**0.0438**	0.0500	0	87.6	85	115	08/16/2023
Boron		0.0200		**0.449**	0.5000	0	89.9	85	115	08/16/2023
Cadmium		0.0020		**0.0499**	0.0500	0	99.8	85	115	08/17/2023
Calcium		0.100		**2.40**	2.500	0	96.0	85	115	08/16/2023
Chromium		0.0050		**0.180**	0.2000	0	90.1	85	115	08/16/2023
Cobalt		0.0050		**0.462**	0.5000	0	92.4	85	115	08/16/2023
Copper		0.0050		**0.239**	0.2500	0	95.7	85	115	08/16/2023
Iron		0.0400		**1.78**	2.000	0	88.8	85	115	08/16/2023
Lead		0.0150		**0.440**	0.5000	0	87.9	85	115	08/16/2023
Magnesium		0.0500		**2.29**	2.500	0	91.5	85	115	08/17/2023
Manganese		0.0070		**0.454**	0.5000	0	90.8	85	115	08/16/2023
Molybdenum		0.0100		**0.441**	0.5000	0	88.2	85	115	08/16/2023
Nickel		0.0050		**0.443**	0.5000	0	88.6	85	115	08/16/2023
Potassium		0.100		**2.48**	2.500	0	99.1	85	115	08/16/2023
Selenium		0.0400		**0.432**	0.5000	0	86.3	85	115	08/16/2023
Silicon	*	0.0500		**0.447**	0.5000	0	89.3	85	115	08/16/2023
Silver		0.0070		**0.0460**	0.0500	0	92.0	85	115	08/16/2023
Sodium		0.0500		**2.28**	2.500	0	91.2	85	115	08/16/2023
Thallium		0.0500		**0.223**	0.2500	0	89.1	85	115	08/16/2023
Vanadium		0.0100		**0.445**	0.5000	0	89.0	85	115	08/16/2023
Zinc		0.0100		**0.442**	0.5000	0	88.4	85	115	08/16/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

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

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

Batch 210902 **SampType:** MS Units **mg/L**

SampID: 23071810-028DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**1.79**	2.000	0.02120	88.6	75	125	08/16/2023
Arsenic		0.0250		**0.456**	0.5000	0	91.2	75	125	08/16/2023
Barium		0.0025		**1.91**	2.000	0.09310	91.1	75	125	08/16/2023
Beryllium		0.0005		**0.0446**	0.0500	0	89.2	75	125	08/16/2023
Boron		0.0200		**0.446**	0.5000	0	89.1	75	125	08/16/2023
Cadmium		0.0020		**0.0415**	0.0500	0	83.0	75	125	08/16/2023
Chromium		0.0050		**0.178**	0.2000	0	89.2	75	125	08/16/2023
Copper		0.0050		**0.239**	0.2500	0	95.5	75	125	08/16/2023
Iron		0.0400		**1.77**	2.000	0	88.6	75	125	08/16/2023
Lead		0.0150		**0.431**	0.5000	0	86.1	75	125	08/16/2023
Manganese		0.0070		**0.458**	0.5000	0.003900	90.8	75	125	08/16/2023
Molybdenum		0.0100		**0.442**	0.5000	0	88.5	75	125	08/16/2023
Nickel		0.0050		**0.432**	0.5000	0	86.4	75	125	08/16/2023
Silver		0.0070		**0.0473**	0.0500	0	94.6	75	125	08/16/2023
Zinc		0.0100		**0.446**	0.5000	0	89.3	75	125	08/16/2023

Batch 210902 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 23071810-028DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		0.0250		**1.80**	2.000	0.02120	88.9	1.793	0.39	08/16/2023
Arsenic		0.0250		**0.462**	0.5000	0	92.5	0.4561	1.39	08/16/2023
Barium		0.0025		**1.94**	2.000	0.09310	92.2	1.914	1.19	08/16/2023
Beryllium		0.0005		**0.0443**	0.0500	0	88.6	0.04460	0.67	08/16/2023
Boron		0.0200		**0.452**	0.5000	0	90.3	0.4456	1.32	08/16/2023
Cadmium		0.0020		**0.0418**	0.0500	0	83.6	0.04150	0.72	08/16/2023
Chromium		0.0050		**0.180**	0.2000	0	90.1	0.1784	1.00	08/16/2023
Copper		0.0050		**0.242**	0.2500	0	96.6	0.2388	1.17	08/16/2023
Iron		0.0400		**1.78**	2.000	0	89.2	1.772	0.71	08/16/2023
Lead		0.0150		**0.434**	0.5000	0	86.8	0.4307	0.74	08/16/2023
Manganese		0.0070		**0.458**	0.5000	0.003900	90.9	0.4577	0.15	08/16/2023
Molybdenum		0.0100		**0.450**	0.5000	0	90.0	0.4424	1.68	08/16/2023
Nickel		0.0050		**0.437**	0.5000	0	87.4	0.4321	1.10	08/16/2023
Silver		0.0070		**0.0475**	0.0500	0	95.0	0.04730	0.42	08/16/2023
Zinc		0.0100		**0.450**	0.5000	0	89.9	0.4464	0.74	08/16/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

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

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

Batch 210902 **SampType:** MS Units **mg/L**

SampID: 23071810-030DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**1.81**	2.000	0	90.5	75	125	08/16/2023
Arsenic		0.0250		**0.465**	0.5000	0	93.0	75	125	08/16/2023
Barium		0.0025		**1.88**	2.000	0.04450	91.6	75	125	08/16/2023
Beryllium		0.0005		**0.0446**	0.0500	0	89.2	75	125	08/16/2023
Boron		0.0200		**0.446**	0.5000	0	89.2	75	125	08/16/2023
Cadmium		0.0020		**0.0413**	0.0500	0	82.6	75	125	08/16/2023
Chromium		0.0050		**0.180**	0.2000	0	89.8	75	125	08/16/2023
Copper		0.0050		**0.241**	0.2500	0	96.6	75	125	08/16/2023
Iron		0.0400		**1.78**	2.000	0	89.1	75	125	08/16/2023
Lead		0.0150		**0.428**	0.5000	0	85.6	75	125	08/16/2023
Manganese		0.0070		**0.459**	0.5000	0	91.7	75	125	08/16/2023
Molybdenum		0.0100		**0.446**	0.5000	0	89.2	75	125	08/16/2023
Nickel		0.0050		**0.435**	0.5000	0	87.0	75	125	08/16/2023
Silver		0.0070		**0.0480**	0.0500	0	96.0	75	125	08/16/2023
Zinc		0.0100		**0.450**	0.5000	0	89.9	75	125	08/16/2023

Batch 210902 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 23071810-030DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		0.0250		**1.81**	2.000	0	90.7	1.810	0.18	08/16/2023
Arsenic		0.0250		**0.466**	0.5000	0	93.3	0.4651	0.30	08/16/2023
Barium		0.0025		**1.87**	2.000	0.04450	91.3	1.877	0.33	08/16/2023
Beryllium		0.0005		**0.0443**	0.0500	0	88.6	0.04460	0.67	08/16/2023
Boron		0.0200		**0.447**	0.5000	0	89.4	0.4459	0.20	08/16/2023
Cadmium		0.0020		**0.0410**	0.0500	0	82.0	0.04130	0.73	08/16/2023
Chromium		0.0050		**0.178**	0.2000	0	89.2	0.1795	0.67	08/16/2023
Copper		0.0050		**0.241**	0.2500	0	96.5	0.2414	0.04	08/16/2023
Iron		0.0400		**1.78**	2.000	0	88.9	1.782	0.25	08/16/2023
Lead		0.0150		**0.429**	0.5000	0	85.8	0.4282	0.23	08/16/2023
Manganese		0.0070		**0.458**	0.5000	0	91.6	0.4586	0.17	08/16/2023
Molybdenum		0.0100		**0.444**	0.5000	0	88.9	0.4461	0.40	08/16/2023
Nickel		0.0050		**0.434**	0.5000	0	86.7	0.4349	0.32	08/16/2023
Silver		0.0070		**0.0475**	0.0500	0	95.0	0.04800	1.05	08/16/2023
Zinc		0.0100		**0.450**	0.5000	0	89.9	0.4495	0.04	08/16/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

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

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

Batch 210928 **SampType:** MBLK Units **mg/L**

SampID: MBLK-210928

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**< 0.0250**	0.0127	0	0	-100	100	08/16/2023
Antimony		0.0500		**< 0.0500**	0.0068	0	0	-100	100	08/16/2023
Arsenic		0.0250		**< 0.0250**	0.0087	0	0	-100	100	08/16/2023
Barium		0.0025		**< 0.0025**	0.0007	0	0	-100	100	08/16/2023
Beryllium		0.0005		**< 0.0005**	0.0002	0	0	-100	100	08/16/2023
Boron		0.0200		**< 0.0200**	0.0090	0	0	-100	100	08/16/2023
Cadmium		0.0020		**< 0.0020**	0.0005	0	0	-100	100	08/16/2023
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	08/16/2023
Chromium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	08/16/2023
Cobalt		0.0050		**< 0.0050**	0.0020	0	0	-100	100	08/16/2023
Copper		0.0050		**< 0.0050**	0.0013	0	0	-100	100	08/16/2023
Iron		0.0400		**< 0.0400**	0.0200	0	0	-100	100	08/16/2023
Lead		0.0150		**< 0.0150**	0.0014	0	0	-100	100	08/16/2023
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	08/16/2023
Manganese		0.0070		**< 0.0070**	0.0025	0	0	-100	100	08/16/2023
Molybdenum		0.0100		**< 0.0100**	0.0037	0	0	-100	100	08/16/2023
Nickel		0.0050		**< 0.0050**	0.0016	0	0	-100	100	08/16/2023
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	08/16/2023
Selenium		0.0400		**< 0.0400**	0.0170	0	0	-100	100	08/16/2023
Silicon	*	0.0500		**< 0.0500**	0.0122	0	0	-100	100	08/16/2023
Silver		0.0070		**< 0.0070**	0.0027	0	0	-100	100	08/16/2023
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	08/16/2023
Thallium		0.0500		**< 0.0500**	0.0111	0	0	-100	100	08/16/2023
Vanadium		0.0100		**< 0.0100**	0.0009	0	0	-100	100	08/16/2023
Zinc		0.0100		**< 0.0100**	0.0050	0	0	-100	100	08/16/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

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

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

Batch 210928 **SampType:** LCS Units **mg/L**
SampID: LCS-210928

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**1.75**	2.000	0	87.7	85	115	08/16/2023
Antimony		0.0500		**0.437**	0.5000	0	87.3	85	115	08/16/2023
Arsenic		0.0250		**0.442**	0.5000	0	88.5	85	115	08/16/2023
Barium		0.0025		**1.83**	2.000	0	91.6	85	115	08/16/2023
Beryllium		0.0005		**0.0431**	0.0500	0	86.2	85	115	08/16/2023
Boron		0.0200		**0.432**	0.5000	0	86.4	85	115	08/16/2023
Cadmium		0.0020		**0.0440**	0.0500	0	88.0	85	115	08/16/2023
Calcium		0.100		**2.37**	2.500	0	94.8	85	115	08/16/2023
Chromium		0.0050		**0.174**	0.2000	0	87.0	85	115	08/16/2023
Cobalt		0.0050		**0.438**	0.5000	0	87.7	85	115	08/16/2023
Copper		0.0050		**0.231**	0.2500	0	92.4	85	115	08/16/2023
Iron		0.0400		**1.75**	2.000	0	87.5	85	115	08/16/2023
Lead		0.0150		**0.430**	0.5000	0	86.0	85	115	08/16/2023
Magnesium		0.0500		**2.33**	2.500	0	93.4	85	115	08/17/2023
Manganese		0.0070		**0.432**	0.5000	0	86.5	85	115	08/16/2023
Molybdenum		0.0100		**0.425**	0.5000	0	85.0	85	115	08/16/2023
Nickel		0.0050		**0.433**	0.5000	0	86.5	85	115	08/16/2023
Potassium		0.100		**2.50**	2.500	0	100.0	85	115	08/16/2023
Silicon	*	0.0500		**0.444**	0.5000	0	88.8	85	115	08/16/2023
Silver		0.0070		**0.0464**	0.0500	0	92.8	85	115	08/16/2023
Sodium		0.0500		**2.28**	2.500	0	91.2	85	115	08/16/2023
Thallium		0.0500		**0.213**	0.2500	0	85.4	85	115	08/16/2023
Vanadium		0.0100		**0.440**	0.5000	0	87.9	85	115	08/16/2023
Zinc		0.0100		**0.436**	0.5000	0	87.3	85	115	08/16/2023

Batch 210928 **SampType:** MS Units **mg/L**
SampID: 23071810-094DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**434**	2.500	440.1	-234.4	75	125	08/16/2023
Magnesium		0.0500	S	**799**	2.500	801.1	-93.1	75	125	08/16/2023
Potassium		2.00	S	**106**	2.500	105.6	20.4	75	125	08/17/2023
Silicon	*	0.0500		**7.27**	0.5000	6.876	79.2	75	125	08/16/2023
Sodium		0.0500	S	**363**	2.500	367.8	-210.0	75	125	08/16/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

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

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

Batch 210928 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 23071810-094DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**435**	2.500	440.1	-202.8	434.3	0.18	08/16/2023
Magnesium		0.0500	S	**803**	2.500	801.1	69.2	798.7	0.51	08/16/2023
Potassium		2.00	S	**106**	2.500	105.6	3.4	106.1	0.40	08/17/2023
Silicon	*	0.0500		**7.25**	0.5000	6.876	75.1	7.272	0.28	08/16/2023
Sodium		0.0500	S	**364**	2.500	367.8	-164.8	362.6	0.31	08/16/2023

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

Batch 210770 **SampType:** MBLK Units **mg/L**

SampID: MBLK-210770

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	08/15/2023
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	08/15/2023
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	08/15/2023
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	08/15/2023

Batch 210770 **SampType:** LCS Units **mg/L**

SampID: LCS-210770

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.66**	2.500	0	106.4	85	115	08/15/2023
Magnesium		0.0500		**2.42**	2.500	0	96.6	85	115	08/15/2023
Potassium		0.100		**2.79**	2.500	0	111.7	85	115	08/15/2023
Sodium		0.0500		**2.61**	2.500	0	104.6	85	115	08/15/2023

Batch 210770 **SampType:** MS Units **mg/L**

SampID: 23071810-009CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**98.0**	2.500	94.85	128.0	75	125	08/15/2023
Magnesium		0.0500		**44.6**	2.500	41.82	112.9	75	125	08/15/2023
Potassium		0.100		**3.02**	2.500	0.2669	110.3	75	125	08/15/2023
Sodium		0.0500		**55.2**	2.500	52.11	122.8	75	125	08/15/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

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

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

Batch 210770 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 23071810-009CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100		**97.9**	2.500	94.85	120.4	98.05	0.19	08/15/2023
Magnesium		0.0500		**44.6**	2.500	41.82	111.7	44.64	0.07	08/15/2023
Potassium		0.100		**3.00**	2.500	0.2669	109.4	3.024	0.75	08/15/2023
Sodium		0.0500	S	**55.3**	2.500	52.11	127.2	55.18	0.20	08/15/2023

Batch 210785 **SampType:** MBLK Units **mg/L**

SampID: MBLK-210785

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	08/15/2023
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	08/15/2023
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	08/15/2023
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	08/15/2023

Batch 210785 **SampType:** LCS Units **mg/L**

SampID: LCS-210785

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.58**	2.500	0	103.3	85	115	08/15/2023
Magnesium		0.0500		**2.33**	2.500	0	93.3	85	115	08/15/2023
Potassium		0.100		**2.76**	2.500	0	110.6	85	115	08/15/2023
Sodium		0.0500		**2.56**	2.500	0	102.4	85	115	08/15/2023

Batch 210785 **SampType:** LCSD Units **mg/L** RPD Limit **20**

SampID: LCSD-210785

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100		**2.54**	2.500	0	101.7	2.582	1.55	08/15/2023
Magnesium		0.0500		**2.34**	2.500	0	93.5	2.332	0.27	08/15/2023
Potassium		0.100		**2.76**	2.500	0	110.3	2.765	0.22	08/15/2023
Sodium		0.0500		**2.56**	2.500	0	102.2	2.559	0.16	08/15/2023

Batch 210785 **SampType:** MS Units **mg/L**

SampID: 23071810-012CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**87.2**	2.500	83.60	142.0	75	125	08/15/2023
Magnesium		0.0500	S	**42.8**	2.500	39.63	127.9	75	125	08/15/2023
Potassium		0.100		**3.43**	2.500	0.6776	110.0	75	125	08/15/2023
Sodium		0.0500		**42.2**	2.500	39.16	119.6	75	125	08/15/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

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

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

Batch 210785 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 23071810-012CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**87.8**	2.500	83.60	169.2	87.15	0.78	08/15/2023
Magnesium		0.0500	S	**42.8**	2.500	39.63	126.4	42.82	0.09	08/15/2023
Potassium		0.100		**3.44**	2.500	0.6776	110.3	3.429	0.19	08/15/2023
Sodium		0.0500	S	**42.3**	2.500	39.16	125.6	42.15	0.36	08/15/2023

Batch 210785 **SampType:** MS Units **mg/L**
SampID: 23071810-017CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**69.6**	2.500	67.64	80.0	75	125	08/15/2023
Magnesium		0.0500		**34.6**	2.500	32.47	83.9	75	125	08/15/2023
Potassium		0.100		**3.15**	2.500	0.3994	109.9	75	125	08/15/2023
Sodium		0.0500		**85.2**	2.500	83.10	83.6	75	125	08/15/2023

Batch 210785 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 23071810-017CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**69.5**	2.500	67.64	74.0	69.64	0.22	08/15/2023
Magnesium		0.0500		**34.6**	2.500	32.47	83.7	34.57	0.02	08/15/2023
Potassium		0.100		**3.16**	2.500	0.3994	110.6	3.148	0.50	08/15/2023
Sodium		0.0500		**85.2**	2.500	83.10	85.2	85.19	0.05	08/15/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

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

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

Batch 210812 **SampType:** MBLK Units **mg/L**

SampID: MBLK-210812

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**< 0.0250**	0.0127	0	0	-100	100	08/15/2023
Antimony		0.0500		**< 0.0500**	0.0068	0	0	-100	100	08/15/2023
Arsenic		0.0250		**< 0.0250**	0.0087	0	0	-100	100	08/15/2023
Barium		0.0025		**< 0.0025**	0.0007	0	0	-100	100	08/15/2023
Beryllium		0.0005		**< 0.0005**	0.0002	0	0	-100	100	08/15/2023
Boron		0.0200		**< 0.0200**	0.0090	0	0	-100	100	08/15/2023
Cadmium		0.0020		**< 0.0020**	0.0005	0	0	-100	100	08/15/2023
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	08/15/2023
Chromium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	08/15/2023
Cobalt		0.0050		**< 0.0050**	0.0020	0	0	-100	100	08/15/2023
Copper		0.0050		**< 0.0050**	0.0013	0	0	-100	100	08/15/2023
Iron		0.0400		**< 0.0400**	0.0200	0	0	-100	100	08/15/2023
Lead		0.0150		**< 0.0150**	0.0040	0	0	-100	100	08/15/2023
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	08/15/2023
Manganese		0.0070		**< 0.0070**	0.0025	0	0	-100	100	08/15/2023
Molybdenum		0.0100		**< 0.0100**	0.0037	0	0	-100	100	08/15/2023
Nickel		0.0050		**< 0.0050**	0.0016	0	0	-100	100	08/15/2023
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	08/15/2023
Selenium		0.0400		**< 0.0400**	0.0170	0	0	-100	100	08/15/2023
Silicon	*	0.0500	JS	**0.031**	0.0122	0	255.7	-100	100	08/15/2023
Silver		0.0070		**< 0.0070**	0.0027	0	0	-100	100	08/15/2023
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	08/15/2023
Thallium		0.0500		**< 0.0500**	0.0111	0	0	-100	100	08/15/2023
Vanadium		0.0100		**< 0.0100**	0.0009	0	0	-100	100	08/15/2023
Zinc		0.0100		**< 0.0100**	0.0050	0	0	-100	100	08/15/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

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

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

Batch 210812 **SampType:** LCS Units **mg/L**
SampID: LCS-210812

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**1.98**	2.000	0	99.2	85	115	08/15/2023
Antimony		0.0500		**0.537**	0.5000	0	107.4	85	115	08/15/2023
Arsenic		0.0250		**0.570**	0.5000	0	114.0	85	115	08/15/2023
Barium		0.0025		**2.11**	2.000	0	105.5	85	115	08/15/2023
Beryllium		0.0005		**0.0526**	0.0500	0	105.2	85	115	08/15/2023
Boron		0.0200		**0.524**	0.5000	0	104.9	85	115	08/15/2023
Cadmium		0.0020		**0.0545**	0.0500	0	109.0	85	115	08/15/2023
Calcium		0.100		**2.63**	2.500	0	105.3	85	115	08/15/2023
Chromium		0.0050		**0.203**	0.2000	0	101.6	85	115	08/15/2023
Cobalt		0.0050		**0.521**	0.5000	0	104.2	85	115	08/15/2023
Copper		0.0050		**0.256**	0.2500	0	102.6	85	115	08/15/2023
Iron		0.0400		**2.08**	2.000	0	104.0	85	115	08/15/2023
Lead		0.0150		**0.523**	0.5000	0	104.5	85	115	08/15/2023
Magnesium		0.0500		**2.49**	2.500	0	99.5	85	115	08/15/2023
Manganese		0.0070		**0.506**	0.5000	0	101.1	85	115	08/15/2023
Molybdenum		0.0100		**0.506**	0.5000	0	101.2	85	115	08/15/2023
Nickel		0.0050		**0.533**	0.5000	0	106.7	85	115	08/15/2023
Potassium		0.100		**2.71**	2.500	0	108.2	85	115	08/15/2023
Selenium		0.0400		**0.536**	0.5000	0	107.2	85	115	08/15/2023
Silicon	*	0.0500	B	**0.518**	0.5000	0	103.6	85	115	08/15/2023
Silver		0.0070		**0.0489**	0.0500	0	97.8	85	115	08/15/2023
Sodium		0.0500		**2.51**	2.500	0	100.3	85	115	08/15/2023
Thallium		0.0500		**0.262**	0.2500	0	104.8	85	115	08/15/2023
Vanadium		0.0100		**0.505**	0.5000	0	101.0	85	115	08/15/2023
Zinc		0.0100		**0.528**	0.5000	0	105.7	85	115	08/15/2023

Batch 210812 **SampType:** MS Units **mg/L**
SampID: 23071810-101CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**80.7**	2.500	76.79	156.0	75	125	08/15/2023
Magnesium		0.0500		**36.9**	2.500	33.90	119.3	75	125	08/15/2023
Potassium		0.100		**3.03**	2.500	0.2572	111.0	75	125	08/15/2023
Sodium		0.0500		**64.6**	2.500	61.58	119.2	75	125	08/15/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

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

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

Batch 210812 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 23071810-101CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100		**79.8**	2.500	76.79	121.6	80.69	1.07	08/15/2023
Magnesium		0.0500		**36.8**	2.500	33.90	116.9	36.88	0.16	08/15/2023
Potassium		0.100		**3.00**	2.500	0.2572	109.9	3.031	0.87	08/15/2023
Sodium		0.0500		**63.7**	2.500	61.58	85.6	64.56	1.31	08/15/2023

Batch 210813 **SampType:** MBLK Units **mg/L**
SampID: MBLK-210813

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**< 0.0250**	0.0127	0	0	-100	100	08/16/2023
Antimony		0.0500		**< 0.0500**	0.0068	0	0	-100	100	08/16/2023
Arsenic		0.0250		**< 0.0250**	0.0087	0	0	-100	100	08/16/2023
Barium		0.0025		**< 0.0025**	0.0007	0	0	-100	100	08/16/2023
Beryllium		0.0005		**< 0.0005**	0.0002	0	0	-100	100	08/16/2023
Boron		0.0200		**< 0.0200**	0.0090	0	0	-100	100	08/16/2023
Cadmium		0.0020		**< 0.0020**	0.0005	0	0	-100	100	08/16/2023
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	08/16/2023
Chromium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	08/16/2023
Cobalt		0.0050		**< 0.0050**	0.0020	0	0	-100	100	08/16/2023
Copper		0.0050		**< 0.0050**	0.0013	0	0	-100	100	08/16/2023
Iron		0.0400		**< 0.0400**	0.0200	0	0	-100	100	08/16/2023
Lead		0.0150		**< 0.0150**	0.0014	0	0	-100	100	08/16/2023
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	08/16/2023
Manganese		0.0070		**< 0.0070**	0.0025	0	0	-100	100	08/16/2023
Molybdenum		0.0100		**< 0.0100**	0.0037	0	0	-100	100	08/16/2023
Nickel		0.0050		**< 0.0050**	0.0016	0	0	-100	100	08/16/2023
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	08/16/2023
Selenium		0.0400		**< 0.0400**	0.0170	0	0	-100	100	08/16/2023
Silicon	*	0.0500		**< 0.0500**	0.0310	0	0	-100	100	08/16/2023
Silver		0.0070		**< 0.0070**	0.0027	0	0	-100	100	08/16/2023
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	08/16/2023
Thallium		0.0500		**< 0.0500**	0.0111	0	0	-100	100	08/16/2023
Vanadium		0.0100		**< 0.0100**	0.0009	0	0	-100	100	08/16/2023
Zinc		0.0100		**< 0.0100**	0.0050	0	0	-100	100	08/16/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

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

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

Batch 210813 **SampType:** LCS Units **mg/L**

SampID: LCS-210813

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**1.96**	2.000	0	97.9	85	115	08/16/2023
Antimony		0.0500		**0.499**	0.5000	0	99.7	85	115	08/16/2023
Arsenic		0.0250		**0.500**	0.5000	0	100.0	85	115	08/16/2023
Barium		0.0025		**1.98**	2.000	0	99.0	85	115	08/16/2023
Beryllium		0.0005		**0.0492**	0.0500	0	98.4	85	115	08/16/2023
Boron		0.0200		**0.493**	0.5000	0	98.6	85	115	08/16/2023
Cadmium		0.0020		**0.0457**	0.0500	0	91.4	85	115	08/16/2023
Calcium		0.100		**2.61**	2.500	0	104.4	85	115	08/16/2023
Chromium		0.0050		**0.196**	0.2000	0	98.0	85	115	08/16/2023
Cobalt		0.0050		**0.498**	0.5000	0	99.7	85	115	08/16/2023
Copper		0.0050		**0.266**	0.2500	0	106.5	85	115	08/16/2023
Iron		0.0400		**1.96**	2.000	0	97.9	85	115	08/16/2023
Lead		0.0150		**0.478**	0.5000	0	95.6	85	115	08/16/2023
Magnesium		0.0500		**2.32**	2.500	0	92.8	85	115	08/16/2023
Manganese		0.0070		**0.502**	0.5000	0	100.4	85	115	08/16/2023
Molybdenum		0.0100		**0.480**	0.5000	0	96.0	85	115	08/16/2023
Nickel		0.0050		**0.482**	0.5000	0	96.4	85	115	08/16/2023
Potassium		0.100		**2.63**	2.500	0	105.2	85	115	08/16/2023
Selenium		0.0400		**0.476**	0.5000	0	95.3	85	115	08/16/2023
Silicon	*	0.0500		**0.523**	0.5000	0	104.6	85	115	08/16/2023
Silver		0.0070		**0.0500**	0.0500	0	100.0	85	115	08/16/2023
Sodium		0.0500		**2.48**	2.500	0	99.0	85	115	08/16/2023
Thallium		0.0500		**0.237**	0.2500	0	94.9	85	115	08/16/2023
Vanadium		0.0100		**0.482**	0.5000	0	96.4	85	115	08/16/2023
Zinc		0.0100		**0.487**	0.5000	0	97.4	85	115	08/16/2023

Batch 210813 **SampType:** MS Units **mg/L**

SampID: 23071810-082CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**96.1**	2.500	94.57	61.6	75	125	08/16/2023

Batch 210813 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 23071810-082CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**96.0**	2.500	94.57	56.0	96.11	0.15	08/16/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

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

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

Batch 210813 **SampType:** MS Units **mg/L**
SampID: 23071810-083CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**84.6**	2.500	82.71	77.2	75	125	08/16/2023

Batch 210813 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 23071810-083CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100		**85.1**	2.500	82.71	96.8	84.64	0.58	08/16/2023

Batch 210826 **SampType:** MBLK Units **mg/L**
SampID: MBLK-210826

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	08/16/2023
Copper		0.0050		**< 0.0050**	0.0013	0	0	-100	100	08/16/2023
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	08/16/2023
Molybdenum		0.0100		**< 0.0100**	0.0037	0	0	-100	100	08/16/2023
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	08/16/2023
Silicon	*	0.0500	JS	**0.029**	0.0122	0	237.7	-100	100	08/16/2023
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	08/16/2023

Batch 210826 **SampType:** LCS Units **mg/L**
SampID: LCS-210826

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.87**	2.500	0	114.6	85	115	08/16/2023
Copper		0.0050		**0.279**	0.2500	0	111.7	85	115	08/16/2023
Magnesium		0.0500		**2.64**	2.500	0	105.8	85	115	08/16/2023
Molybdenum		0.0100		**0.542**	0.5000	0	108.4	85	115	08/16/2023
Potassium		0.100		**2.78**	2.500	0	111.4	85	115	08/16/2023
Silicon	*	0.0500	B	**0.549**	0.5000	0	109.9	85	115	08/16/2023
Sodium		0.0500		**2.74**	2.500	0	109.8	85	115	08/16/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

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

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

Batch 210826 **SampType:** MS Units **mg/L**

SampID: 23071810-105CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**105**	2.500	103.3	85.2	75	125	08/16/2023
Magnesium		0.0500		**18.0**	2.500	15.47	100.8	75	125	08/16/2023
Potassium		0.500		**19.2**	2.500	16.17	121.8	75	125	08/17/2023
Silicon	*	0.0500	B	**10.8**	0.5000	10.25	115.1	75	125	08/16/2023
Sodium		0.0500		**44.4**	2.500	42.27	83.6	75	125	08/16/2023

Batch 210826 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 23071810-105CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**104**	2.500	103.3	41.2	105.4	1.05	08/16/2023
Magnesium		0.0500		**17.8**	2.500	15.47	92.5	17.99	1.17	08/16/2023
Potassium		0.500		**18.9**	2.500	16.17	110.5	19.21	1.49	08/17/2023
Silicon	*	0.0500	B	**10.7**	0.5000	10.25	85.6	10.83	1.37	08/16/2023
Sodium		0.0500	S	**43.8**	2.500	42.27	62.8	44.36	1.18	08/16/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

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

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

Batch 210901 **SampType:** MBLK Units **mg/L**

SampID: MBLK-210901

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**< 0.0250**	0.0127	0	0	-100	100	08/16/2023
Antimony		0.0500		**< 0.0500**	0.0068	0	0	-100	100	08/16/2023
Arsenic		0.0250		**< 0.0250**	0.0087	0	0	-100	100	08/16/2023
Barium		0.0025		**< 0.0025**	0.0007	0	0	-100	100	08/16/2023
Beryllium		0.0005		**< 0.0005**	0.0002	0	0	-100	100	08/16/2023
Boron		0.0200		**< 0.0200**	0.0090	0	0	-100	100	08/16/2023
Cadmium		0.0020		**< 0.0020**	0.0005	0	0	-100	100	08/16/2023
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	08/16/2023
Chromium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	08/16/2023
Cobalt		0.0050		**< 0.0050**	0.0020	0	0	-100	100	08/16/2023
Copper		0.0050		**< 0.0050**	0.0013	0	0	-100	100	08/16/2023
Iron		0.0400		**< 0.0400**	0.0200	0	0	-100	100	08/16/2023
Lead		0.0150		**< 0.0150**	0.0014	0	0	-100	100	08/16/2023
Lithium		0.0050		**< 0.0050**	0.0019	0	0	-100	100	08/16/2023
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	08/16/2023
Molybdenum		0.0100		**< 0.0100**	0.0037	0	0	-100	100	08/16/2023
Nickel		0.0050		**< 0.0050**	0.0016	0	0	-100	100	08/16/2023
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	08/16/2023
Selenium		0.0400		**< 0.0400**	0.0170	0	0	-100	100	08/16/2023
Silicon	*	0.0500		**< 0.0500**	0.0122	0	0	-100	100	08/16/2023
Silver		0.0070		**< 0.0070**	0.0027	0	0	-100	100	08/16/2023
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	08/16/2023
Thallium		0.0500		**< 0.0500**	0.0111	0	0	-100	100	08/16/2023
Vanadium		0.0100		**< 0.0100**	0.0009	0	0	-100	100	08/16/2023
Zinc		0.0100		**< 0.0100**	0.0050	0	0	-100	100	08/16/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

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

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

Batch 210901 **SampType:** LCS Units **mg/L**

SampID: LCS-210901

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**1.93**	2.000	0	96.4	85	115	08/16/2023
Antimony		0.0500		**0.498**	0.5000	0	99.7	85	115	08/16/2023
Arsenic		0.0250		**0.505**	0.5000	0	100.9	85	115	08/16/2023
Barium		0.0025		**2.00**	2.000	0	100.0	85	115	08/16/2023
Beryllium		0.0005		**0.0487**	0.0500	0	97.4	85	115	08/16/2023
Boron		0.0200		**0.489**	0.5000	0	97.9	85	115	08/16/2023
Cadmium		0.0020		**0.0485**	0.0500	0	97.0	85	115	08/16/2023
Calcium		0.100		**2.62**	2.500	0	104.9	85	115	08/16/2023
Chromium		0.0050		**0.193**	0.2000	0	96.7	85	115	08/16/2023
Cobalt		0.0050		**0.490**	0.5000	0	98.0	85	115	08/16/2023
Copper		0.0050		**0.255**	0.2500	0	102.1	85	115	08/16/2023
Iron		0.0400		**1.94**	2.000	0	97.2	85	115	08/16/2023
Lead		0.0150		**0.482**	0.5000	0	96.4	85	115	08/16/2023
Lithium		0.0050		**0.468**	0.5000	0	93.6	85	115	08/16/2023
Magnesium		0.0500		**2.32**	2.500	0	92.8	85	115	08/16/2023
Molybdenum		0.0100		**0.474**	0.5000	0	94.9	85	115	08/16/2023
Nickel		0.0050		**0.483**	0.5000	0	96.6	85	115	08/16/2023
Potassium		0.100		**2.68**	2.500	0	107.2	85	115	08/16/2023
Selenium		0.0400		**0.486**	0.5000	0	97.2	85	115	08/16/2023
Silicon	*	0.0500		**0.520**	0.5000	0	104.0	85	115	08/16/2023
Silver		0.0070		**0.0513**	0.0500	0	102.6	85	115	08/16/2023
Sodium		0.0500		**2.50**	2.500	0	100.2	85	115	08/16/2023
Thallium		0.0500		**0.243**	0.2500	0	97.1	85	115	08/16/2023
Vanadium		0.0100		**0.487**	0.5000	0	97.4	85	115	08/16/2023
Zinc		0.0100		**0.490**	0.5000	0	98.0	85	115	08/16/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

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

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

Batch 210901 **SampType:** MS Units **mg/L**

SampID: 23071810-028CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**1.99**	2.000	0.01430	99.0	75	125	08/16/2023
Arsenic		0.0250		**0.504**	0.5000	0	100.8	75	125	08/16/2023
Barium		0.0025		**2.05**	2.000	0.09890	97.6	75	125	08/16/2023
Beryllium		0.0005		**0.0492**	0.0500	0	98.4	75	125	08/16/2023
Boron		0.0200		**0.499**	0.5000	0	99.9	75	125	08/16/2023
Cadmium		0.0020		**0.0456**	0.0500	0	91.2	75	125	08/16/2023
Chromium		0.0050		**0.196**	0.2000	0	98.2	75	125	08/16/2023
Copper		0.0050		**0.265**	0.2500	0	105.8	75	125	08/16/2023
Iron		0.0400		**1.97**	2.000	0.02400	97.1	75	125	08/16/2023
Lead		0.0150		**0.475**	0.5000	0	95.0	75	125	08/16/2023
Molybdenum		0.0100		**0.490**	0.5000	0	97.9	75	125	08/16/2023
Nickel		0.0050		**0.477**	0.5000	0	95.3	75	125	08/16/2023
Silver		0.0070		**0.0522**	0.0500	0	104.4	75	125	08/16/2023
Zinc		0.0100		**0.491**	0.5000	0	98.2	75	125	08/16/2023

Batch 210901 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 23071810-028CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		0.0250		**1.99**	2.000	0.01430	98.7	1.994	0.32	08/16/2023
Arsenic		0.0250		**0.499**	0.5000	0	99.8	0.5040	0.96	08/16/2023
Barium		0.0025		**2.05**	2.000	0.09890	97.6	2.050	0.00	08/16/2023
Beryllium		0.0005		**0.0491**	0.0500	0	98.2	0.04920	0.20	08/16/2023
Boron		0.0200		**0.498**	0.5000	0	99.7	0.4994	0.22	08/16/2023
Cadmium		0.0020		**0.0457**	0.0500	0	91.4	0.04560	0.22	08/16/2023
Chromium		0.0050		**0.195**	0.2000	0	97.5	0.1965	0.82	08/16/2023
Copper		0.0050		**0.263**	0.2500	0	105.2	0.2646	0.61	08/16/2023
Iron		0.0400		**1.96**	2.000	0.02400	96.6	1.966	0.49	08/16/2023
Lead		0.0150		**0.472**	0.5000	0	94.5	0.4748	0.49	08/16/2023
Molybdenum		0.0100		**0.486**	0.5000	0	97.2	0.4896	0.78	08/16/2023
Nickel		0.0050		**0.476**	0.5000	0	95.2	0.4766	0.08	08/16/2023
Silver		0.0070		**0.0521**	0.0500	0	104.2	0.05220	0.19	08/16/2023
Zinc		0.0100		**0.488**	0.5000	0	97.6	0.4908	0.53	08/16/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

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

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

Batch 210926 **SampType:** MBLK Units **mg/L**
SampID: MBLK-210926

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**< 0.0250**	0.0127	0	0	-100	100	08/17/2023
Arsenic		0.0250		**< 0.0250**	0.0087	0	0	-100	100	08/17/2023
Barium		0.0025		**< 0.0025**	0.0007	0	0	-100	100	08/17/2023
Beryllium		0.0005		**< 0.0005**	0.0002	0	0	-100	100	08/17/2023
Boron		0.0200		**< 0.0200**	0.0090	0	0	-100	100	08/17/2023
Cadmium		0.0020		**< 0.0020**	0.0005	0	0	-100	100	08/17/2023
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	08/17/2023
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	08/17/2023
Chromium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	08/17/2023
Iron		0.0400		**< 0.0400**	0.0200	0	0	-100	100	08/17/2023
Lead		0.0150		**< 0.0150**	0.0040	0	0	-100	100	08/17/2023
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	08/17/2023
Manganese		0.0070		**< 0.0070**	0.0025	0	0	-100	100	08/17/2023
Molybdenum		0.0100		**< 0.0100**	0.0037	0	0	-100	100	08/17/2023
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	08/17/2023
Silicon	*	0.0500		**< 0.0500**	0.0122	0	0	-100	100	08/17/2023
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	08/17/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

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

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

Batch 210926 **SampType:** LCS Units **mg/L**

SampID: LCS-210926

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**1.96**	2.000	0	97.9	85	115	08/17/2023
Arsenic		0.0250		**0.530**	0.5000	0	106.1	85	115	08/17/2023
Barium		0.0025		**2.04**	2.000	0	102.0	85	115	08/17/2023
Beryllium		0.0005		**0.0505**	0.0500	0	101.0	85	115	08/17/2023
Boron		0.0200		**0.507**	0.5000	0	101.3	85	115	08/17/2023
Cadmium		0.0020		**0.0502**	0.0500	0	100.4	85	115	08/17/2023
Calcium		0.100		**2.49**	2.500	0	99.6	85	115	08/17/2023
Calcium		0.100		**2.59**	2.500	0	103.7	85	115	08/17/2023
Chromium		0.0050		**0.200**	0.2000	0	100.2	85	115	08/17/2023
Iron		0.0400		**2.08**	2.000	0	104.0	85	115	08/17/2023
Lead		0.0150		**0.506**	0.5000	0	101.2	85	115	08/17/2023
Magnesium		0.0500		**2.39**	2.500	0	95.6	85	115	08/17/2023
Manganese		0.0070		**0.505**	0.5000	0	101.0	85	115	08/17/2023
Molybdenum		0.0100		**0.495**	0.5000	0	99.1	85	115	08/17/2023
Potassium		0.100		**2.70**	2.500	0	108.1	85	115	08/17/2023
Silicon	*	0.0500		**0.529**	0.5000	0	105.7	85	115	08/17/2023
Sodium		0.0500		**2.53**	2.500	0	101.4	85	115	08/17/2023

Batch 210926 **SampType:** MS Units **mg/L**

SampID: 23071810-052CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**142**	2.500	140.4	53.2	75	125	08/17/2023
Magnesium		0.0500		**71.3**	2.500	68.89	94.8	75	125	08/17/2023
Potassium		0.100		**4.02**	2.500	1.309	108.6	75	125	08/17/2023
Silicon	*	0.0500		**10.2**	0.5000	9.583	115.1	75	125	08/17/2023
Sodium		0.0500		**57.6**	2.500	55.43	86.4	75	125	08/17/2023

Batch 210926 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 23071810-052CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**142**	2.500	140.4	70.8	141.8	0.31	08/17/2023
Magnesium		0.0500		**71.4**	2.500	68.89	100.7	71.26	0.21	08/17/2023
Potassium		0.100		**4.02**	2.500	1.309	108.4	4.024	0.14	08/17/2023
Silicon	*	0.0500		**10.2**	0.5000	9.583	122.0	10.16	0.34	08/17/2023
Sodium		0.0500		**57.7**	2.500	55.43	89.2	57.59	0.12	08/17/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

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

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

Batch 211078 **SampType:** MBLK Units **mg/L**
SampID: MBLK-211078

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	08/21/2023
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	08/21/2023
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	08/21/2023
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	08/21/2023

Batch 211078 **SampType:** LCS Units **mg/L**
SampID: LCS-211078

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.77**	2.500	0	111.0	85	115	08/21/2023
Magnesium		0.0500		**2.53**	2.500	0	101.2	85	115	08/21/2023
Potassium		0.100		**2.77**	2.500	0	110.7	85	115	08/21/2023
Sodium		0.0500		**2.61**	2.500	0	104.3	85	115	08/21/2023

Batch 211078 **SampType:** LCSD Units **mg/L** RPD Limit **20**
SampID: LCSD-211078

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100		**2.80**	2.500	0	112.2	2.774	1.10	08/21/2023
Magnesium		0.0500		**2.55**	2.500	0	102.1	2.529	0.91	08/21/2023
Potassium		0.100		**2.79**	2.500	0	111.5	2.767	0.73	08/21/2023
Sodium		0.0500		**2.63**	2.500	0	105.2	2.608	0.84	08/21/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

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

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

Batch 211843 **SampType:** MBLK Units **mg/L**

SampID: MBLK-211843

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**< 0.0250**	0.0127	0	0	-100	100	09/12/2023
Antimony		0.0500		**< 0.0500**	0.0068	0	0	-100	100	09/12/2023
Arsenic		0.0250		**< 0.0250**	0.0087	0	0	-100	100	09/12/2023
Barium		0.0025		**< 0.0025**	0.0007	0	0	-100	100	09/12/2023
Beryllium		0.0005		**< 0.0005**	0.0002	0	0	-100	100	09/12/2023
Boron		0.0200		**< 0.0200**	0.0090	0	0	-100	100	09/12/2023
Cadmium		0.0020		**< 0.0020**	0.0005	0	0	-100	100	09/12/2023
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	09/12/2023
Chromium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	09/12/2023
Cobalt		0.0050		**< 0.0050**	0.0020	0	0	-100	100	09/12/2023
Copper		0.0050		**< 0.0050**	0.0013	0	0	-100	100	09/12/2023
Iron		0.0400		**< 0.0400**	0.0200	0	0	-100	100	09/12/2023
Lead		0.0150		**< 0.0150**	0.0014	0	0	-100	100	09/12/2023
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	09/12/2023
Manganese		0.0070		**< 0.0070**	0.0025	0	0	-100	100	09/12/2023
Molybdenum		0.0100		**< 0.0100**	0.0037	0	0	-100	100	09/12/2023
Nickel		0.0050		**< 0.0050**	0.0016	0	0	-100	100	09/12/2023
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	09/12/2023
Selenium		0.0400		**< 0.0400**	0.0170	0	0	-100	100	09/12/2023
Silver		0.0070		**< 0.0070**	0.0027	0	0	-100	100	09/12/2023
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	09/12/2023
Thallium		0.0500		**< 0.0500**	0.0111	0	0	-100	100	09/12/2023
Vanadium		0.0100		**< 0.0100**	0.0009	0	0	-100	100	09/12/2023
Zinc		0.0100		**< 0.0100**	0.0050	0	0	-100	100	09/12/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

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

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

Batch 211843 **SampType:** LCS Units **mg/L**

SampID: LCS-211843

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**2.01**	2.000	0	100.5	85	115	09/12/2023
Antimony		0.0500		**0.523**	0.5000	0	104.6	85	115	09/12/2023
Arsenic		0.0250		**0.523**	0.5000	0	104.7	85	115	09/12/2023
Barium		0.0025		**2.07**	2.000	0	103.5	85	115	09/12/2023
Beryllium		0.0005		**0.0503**	0.0500	0	100.6	85	115	09/12/2023
Boron		0.0200		**0.499**	0.5000	0	99.9	85	115	09/12/2023
Cadmium		0.0020		**0.0514**	0.0500	0	102.8	85	115	09/12/2023
Calcium		0.100		**2.62**	2.500	0	104.8	85	115	09/12/2023
Chromium		0.0050		**0.200**	0.2000	0	100.1	85	115	09/12/2023
Cobalt		0.0050		**0.501**	0.5000	0	100.2	85	115	09/12/2023
Copper		0.0050		**0.258**	0.2500	0	103.3	85	115	09/12/2023
Iron		0.0400		**2.13**	2.000	0	106.5	85	115	09/12/2023
Lead		0.0150		**0.497**	0.5000	0	99.5	85	115	09/12/2023
Magnesium		0.0500		**2.37**	2.500	0	94.9	85	115	09/12/2023
Manganese		0.0070		**0.500**	0.5000	0	100.0	85	115	09/12/2023
Molybdenum		0.0100		**0.492**	0.5000	0	98.3	85	115	09/12/2023
Nickel		0.0050		**0.503**	0.5000	0	100.5	85	115	09/12/2023
Potassium		0.100		**2.66**	2.500	0	106.4	85	115	09/12/2023
Selenium		0.0400		**0.503**	0.5000	0	100.5	85	115	09/12/2023
Silver		0.0070		**0.0522**	0.0500	0	104.4	85	115	09/12/2023
Sodium		0.0500		**2.58**	2.500	0	103.4	85	115	09/12/2023
Thallium		0.0500		**0.249**	0.2500	0	99.6	85	115	09/12/2023
Vanadium		0.0100		**0.509**	0.5000	0	101.8	85	115	09/12/2023
Zinc		0.0100		**0.502**	0.5000	0	100.4	85	115	09/12/2023

Batch 211883 **SampType:** MBLK Units **mg/L**

SampID: MBLK-211883

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	09/13/2023
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	09/13/2023
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	09/13/2023
Silicon	*	0.0500	JS	**0.037**	0.0122	0	300.0	-100	100	09/13/2023
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	09/13/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

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

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

Batch 211883 **SampType:** LCS Units **mg/L**

SampID: LCS-211883

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.68**	2.500	0	107.2	85	115	09/13/2023
Magnesium		0.0500		**2.45**	2.500	0	98.1	85	115	09/13/2023
Potassium		0.100		**2.57**	2.500	0	102.9	85	115	09/13/2023
Silicon	*	0.0500	B	**0.512**	0.5000	0	102.4	85	115	09/13/2023
Sodium		0.0500		**2.53**	2.500	0	101.3	85	115	09/13/2023

Batch 212184 **SampType:** MBLK Units **mg/L**

SampID: MBLK-212184

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	09/26/2023
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	09/26/2023
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	09/20/2023
Lead		0.0150		**< 0.0150**	0.0040	0	0	-100	100	09/20/2023
Lead		0.0150		**< 0.0150**	0.0040	0	0	-100	100	09/25/2023
Lead		0.0150		**< 0.0150**	0.0040	0	0	-100	100	09/26/2023
Lead		0.0150		**< 0.0150**	0.0040	0	0	-100	100	09/26/2023
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	09/20/2023
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	09/26/2023
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	09/26/2023
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	09/26/2023
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	09/20/2023
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	09/26/2023
Silicon	*	0.0500		**< 0.0500**	0.0122	0	0	-100	100	09/20/2023
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	09/20/2023
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	09/26/2023
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	09/26/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

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

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

Batch 212184 **SampType:** LCS Units **mg/L**
SampID: LCS-212184

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.59**	2.500	0	103.5	85	115	09/26/2023
Calcium		0.100		**2.53**	2.500	0	101.1	85	115	09/20/2023
Calcium		0.100		**2.54**	2.500	0	101.5	85	115	09/26/2023
Lead		0.0150		**0.498**	0.5000	0	99.6	85	115	09/26/2023
Lead		0.0150		**0.495**	0.5000	0	99.0	85	115	09/20/2023
Lead		0.0150		**0.515**	0.5000	0	103.0	85	115	09/25/2023
Lead		0.0150		**0.492**	0.5000	0	98.5	85	115	09/26/2023
Magnesium		0.0500		**2.40**	2.500	0	96.1	85	115	09/26/2023
Magnesium		0.0500		**2.48**	2.500	0	99.3	85	115	09/20/2023
Magnesium		0.0500		**2.38**	2.500	0	95.3	85	115	09/26/2023
Potassium		0.100		**2.45**	2.500	0	98.0	85	115	09/20/2023
Potassium		0.100		**2.68**	2.500	0	107.2	85	115	09/26/2023
Potassium		0.100		**2.56**	2.500	0	102.3	85	115	09/26/2023
Silicon	*	0.0500		**0.527**	0.5000	0	105.4	85	115	09/26/2023
Sodium		0.0500		**2.52**	2.500	0	100.9	85	115	09/26/2023
Sodium		0.0500		**2.37**	2.500	0	94.7	85	115	09/20/2023
Sodium		0.0500		**2.50**	2.500	0	100.2	85	115	09/26/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

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

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

Batch 210784 **SampType:** MBLK Units **mg/L**

SampID: MBLK-210784

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**< 0.0250**	0.0125	0	0	-100	100	09/13/2023
Aluminum		0.0250		**< 0.0250**	0.0125	0	0	-100	100	08/30/2023
Antimony		0.0010		**< 0.0010**	0.0004	0	0	-100	100	08/30/2023
Arsenic		0.0010		**< 0.0010**	0.0004	0	0	-100	100	08/30/2023
Arsenic		0.0010		**< 0.0010**	0.0004	0	0	-100	100	09/13/2023
Barium		0.0010		**< 0.0010**	0.0007	0	0	-100	100	08/30/2023
Barium		0.0010		**< 0.0010**	0.0007	0	0	-100	100	09/13/2023
Beryllium		0.0010		**< 0.0010**	0.0002	0	0	-100	100	08/30/2023
Beryllium		0.0010		**< 0.0010**	0.0002	0	0	-100	100	09/13/2023
Boron		0.0250		**< 0.0250**	0.0093	0	0	-100	100	08/30/2023
Cadmium		0.0010		**< 0.0010**	0.0001	0	0	-100	100	09/13/2023
Cadmium		0.0010		**< 0.0010**	0.0001	0	0	-100	100	08/30/2023
Chromium		0.0015		**< 0.0015**	0.0007	0	0	-100	100	09/13/2023
Chromium		0.0015		**< 0.0015**	0.0007	0	0	-100	100	08/30/2023
Cobalt		0.0010		**< 0.0010**	0.0003	0	0	-100	100	08/30/2023
Copper		0.0010		**< 0.0010**	0.0003	0	0	-100	100	09/11/2023
Iron		0.0250		**< 0.0250**	0.0115	0	0	-100	100	09/13/2023
Iron		0.0250		**< 0.0250**	0.0115	0	0	-100	100	08/30/2023
Lead		0.0010		**< 0.0010**	0.0006	0	0	-100	100	09/13/2023
Lead		0.0010		**< 0.0010**	0.0006	0	0	-100	100	08/30/2023
Manganese		0.0020		**< 0.0020**	0.0008	0	0	-100	100	09/13/2023
Manganese		0.0020		**< 0.0020**	0.0008	0	0	-100	100	08/30/2023
Molybdenum	*	0.0015		**< 0.0015**	0.0006	0	0	-100	100	09/13/2023
Molybdenum	*	0.0015		**< 0.0015**	0.0006	0	0	-100	100	08/30/2023
Nickel		0.0010		**< 0.0010**	0.0004	0	0	-100	100	09/13/2023
Nickel		0.0010		**< 0.0010**	0.0004	0	0	-100	100	08/30/2023
Selenium		0.0010		**< 0.0010**	0.0006	0	0	-100	100	08/30/2023
Silver		0.0010		**< 0.0010**	0.0001	0	0	-100	100	09/13/2023
Silver		0.0010		**< 0.0010**	0.0001	0	0	-100	100	08/30/2023
Thallium		0.0020		**< 0.0020**	0.0010	0	0	-100	100	08/30/2023
Vanadium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	08/30/2023
Zinc		0.0150		**< 0.0150**	0.0059	0	0	-100	100	08/30/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

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

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

Batch 210784 **SampType:** LCS Units **mg/L**

SampID: LCS-210784

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**1.89**	2.000	0	94.6	80	120	09/13/2023
Aluminum		0.0250		**1.70**	2.000	0	85.0	80	120	08/30/2023
Antimony		0.0010		**0.469**	0.5000	0	93.9	80	120	08/30/2023
Arsenic		0.0010		**0.517**	0.5000	0	103.5	80	120	09/13/2023
Arsenic		0.0010		**0.505**	0.5000	0	101.0	80	120	08/30/2023
Barium		0.0010		**1.96**	2.000	0	97.9	80	120	08/30/2023
Barium		0.0010		**2.11**	2.000	0	105.4	80	120	09/13/2023
Beryllium		0.0010		**0.0436**	0.0500	0	87.3	80	120	08/30/2023
Beryllium		0.0010		**0.0481**	0.0500	0	96.1	80	120	09/13/2023
Boron		0.0250		**0.455**	0.5000	0	91.0	80	120	08/30/2023
Cadmium		0.0010		**0.0492**	0.0500	0	98.3	80	120	09/13/2023
Cadmium		0.0010		**0.0467**	0.0500	0	93.3	80	120	08/30/2023
Chromium		0.0015		**0.205**	0.2000	0	102.6	80	120	09/13/2023
Chromium		0.0015		**0.193**	0.2000	0	96.5	80	120	08/30/2023
Cobalt		0.0010		**0.493**	0.5000	0	98.6	80	120	08/30/2023
Iron		0.0250		**1.93**	2.000	0	96.5	80	120	08/30/2023
Iron		0.0250		**2.12**	2.000	0	105.8	80	120	09/13/2023
Lead		0.0010		**0.517**	0.5000	0	103.4	80	120	09/13/2023
Lead		0.0010		**0.487**	0.5000	0	97.4	80	120	08/30/2023
Manganese		0.0020		**0.533**	0.5000	0	106.6	80	120	09/13/2023
Manganese		0.0020		**0.480**	0.5000	0	96.0	80	120	08/30/2023
Molybdenum	*	0.0015		**0.477**	0.5000	0	95.4	80	120	09/13/2023
Molybdenum	*	0.0015		**0.480**	0.5000	0	96.1	80	120	08/30/2023
Nickel		0.0010		**0.519**	0.5000	0	103.8	80	120	09/13/2023
Nickel		0.0010		**0.494**	0.5000	0	98.7	80	120	08/30/2023
Selenium		0.0010		**0.453**	0.5000	0	90.6	80	120	08/30/2023
Silver		0.0010		**0.0544**	0.0500	0	108.8	80	120	08/30/2023
Silver		0.0010		**0.0463**	0.0500	0	92.7	80	120	09/13/2023
Thallium		0.0020		**0.232**	0.2500	0	93.0	80	120	08/30/2023
Vanadium		0.0050		**0.472**	0.5000	0	94.4	80	120	08/30/2023
Zinc		0.0150		**0.441**	0.5000	0	88.3	80	120	08/30/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

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

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

Batch 210784 **SampType:** MS Units **mg/L**
SampID: 23071810-002DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**1.69**	2.000	0	84.7	75	125	08/30/2023
Antimony		0.0010		**0.469**	0.5000	0	93.9	75	125	08/30/2023
Arsenic		0.0010		**0.518**	0.5000	0	103.5	75	125	08/30/2023
Barium		0.0010		**1.97**	2.000	0.05111	96.2	75	125	08/30/2023
Beryllium		0.0010		**0.0473**	0.0500	0	94.6	75	125	08/30/2023
Boron		0.0250		**0.495**	0.5000	0	99.1	75	125	08/30/2023
Cadmium		0.0010		**0.0451**	0.0500	0	90.2	75	125	08/30/2023
Chromium		0.0015		**0.194**	0.2000	0	96.8	75	125	08/30/2023
Cobalt		0.0010		**0.489**	0.5000	0	97.9	75	125	08/30/2023
Copper		0.0010		**0.248**	0.2500	0.002143	98.2	75	125	08/30/2023
Iron		0.0250		**1.93**	2.000	0.01553	95.6	75	125	08/30/2023
Lead		0.0010		**0.481**	0.5000	0	96.2	75	125	08/30/2023
Manganese		0.0020		**0.480**	0.5000	0.003507	95.3	75	125	08/30/2023
Molybdenum	*	0.0015		**0.487**	0.5000	0	97.3	75	125	08/30/2023
Nickel		0.0010		**0.484**	0.5000	0.001108	96.6	75	125	08/30/2023
Selenium		0.0010		**0.465**	0.5000	0.001678	92.8	75	125	08/30/2023
Silver		0.0010		**0.0519**	0.0500	0	103.9	75	125	08/30/2023
Thallium		0.0020		**0.237**	0.2500	0	94.6	75	125	08/30/2023
Vanadium		0.0050		**0.476**	0.5000	0	95.2	75	125	08/30/2023
Zinc		0.0150		**0.447**	0.5000	0	89.4	75	125	08/30/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

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

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

Batch 210784 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 23071810-002DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		0.0250		**1.67**	2.000	0	83.5	1.695	1.46	08/30/2023
Antimony		0.0010		**0.461**	0.5000	0	92.2	0.4693	1.75	08/30/2023
Arsenic		0.0010		**0.502**	0.5000	0	100.4	0.5176	3.08	08/30/2023
Barium		0.0010		**1.92**	2.000	0.05111	93.2	1.974	3.03	08/30/2023
Beryllium		0.0010		**0.0455**	0.0500	0	91.0	0.04729	3.83	08/30/2023
Boron		0.0250		**0.495**	0.5000	0	98.9	0.4954	0.15	08/30/2023
Cadmium		0.0010		**0.0447**	0.0500	0	89.5	0.04512	0.87	08/30/2023
Chromium		0.0015		**0.188**	0.2000	0	94.1	0.1936	2.79	08/30/2023
Cobalt		0.0010		**0.477**	0.5000	0	95.5	0.4894	2.50	08/30/2023
Copper		0.0010		**0.242**	0.2500	0.002143	95.8	0.2475	2.36	08/30/2023
Iron		0.0250		**1.91**	2.000	0.01553	94.7	1.927	0.88	08/30/2023
Lead		0.0010		**0.477**	0.5000	0	95.5	0.4812	0.79	08/30/2023
Manganese		0.0020		**0.474**	0.5000	0.003507	94.2	0.4801	1.19	08/30/2023
Molybdenum	*	0.0015		**0.471**	0.5000	0	94.1	0.4866	3.31	08/30/2023
Nickel		0.0010		**0.473**	0.5000	0.001108	94.4	0.4842	2.32	08/30/2023
Selenium		0.0010		**0.446**	0.5000	0.001678	88.9	0.4655	4.24	08/30/2023
Silver		0.0010		**0.0504**	0.0500	0	100.8	0.05195	3.05	08/30/2023
Thallium		0.0020		**0.237**	0.2500	0	94.7	0.2366	0.01	08/30/2023
Vanadium		0.0050		**0.471**	0.5000	0	94.2	0.4760	1.10	08/30/2023
Zinc		0.0150		**0.430**	0.5000	0	86.0	0.4471	3.92	08/30/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

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

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

Batch 210814 **SampType:** MBLK Units **mg/L**

SampID: MBLK-210814

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**< 0.0250**	0.0125	0	0	-100	100	08/30/2023
Antimony		0.0010		**< 0.0010**	0.0004	0	0	-100	100	08/30/2023
Arsenic		0.0010		**< 0.0010**	0.0004	0	0	-100	100	08/30/2023
Barium		0.0010		**< 0.0010**	0.0007	0	0	-100	100	08/30/2023
Beryllium		0.0010		**< 0.0010**	0.0002	0	0	-100	100	08/30/2023
Boron		0.0250		**< 0.0250**	0.0093	0	0	-100	100	08/30/2023
Cadmium		0.0010		**< 0.0010**	0.0001	0	0	-100	100	08/30/2023
Chromium		0.0015		**< 0.0015**	0.0007	0	0	-100	100	09/11/2023
Cobalt		0.0010		**< 0.0010**	0.0001	0	0	-100	100	08/30/2023
Copper		0.0010		**< 0.0010**	0.0003	0	0	-100	100	09/11/2023
Iron		0.0250		**< 0.0250**	0.0115	0	0	-100	100	08/30/2023
Lead		0.0010		**< 0.0010**	0.0006	0	0	-100	100	08/30/2023
Manganese		0.0020		**< 0.0020**	0.0008	0	0	-100	100	08/30/2023
Molybdenum	*	0.0015		**< 0.0015**	0.0006	0	0	-100	100	08/30/2023
Nickel		0.0010		**< 0.0010**	0.0004	0	0	-100	100	08/30/2023
Selenium		0.0010		**< 0.0010**	0.0006	0	0	-100	100	08/30/2023
Silver		0.0010		**< 0.0010**	0.0001	0	0	-100	100	08/30/2023
Thallium		0.0020		**< 0.0020**	0.0010	0	0	-100	100	08/30/2023
Vanadium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	08/30/2023
Zinc		0.0150		**< 0.0150**	0.0059	0	0	-100	100	08/30/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

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

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

Batch 210814 **SampType:** LCS Units **mg/L**
SampID: LCS-210814

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**1.68**	2.000	0	84.2	80	120	08/30/2023
Antimony		0.0010		**0.454**	0.5000	0	90.8	80	120	08/30/2023
Arsenic		0.0010		**0.504**	0.5000	0	100.9	80	120	08/30/2023
Barium		0.0010		**1.89**	2.000	0	94.6	80	120	08/30/2023
Beryllium		0.0010		**0.0469**	0.0500	0	93.8	80	120	08/30/2023
Boron		0.0250		**0.474**	0.5000	0	94.9	80	120	08/30/2023
Cadmium		0.0010		**0.0458**	0.0500	0	91.5	80	120	08/30/2023
Chromium		0.0015		**0.195**	0.2000	0	97.3	80	120	08/30/2023
Cobalt		0.0010		**0.493**	0.5000	0	98.6	80	120	08/30/2023
Copper		0.0010		**0.257**	0.2500	0	102.7	80	120	08/30/2023
Iron		0.0250		**1.96**	2.000	0	97.8	80	120	08/30/2023
Lead		0.0010		**0.468**	0.5000	0	93.5	80	120	08/30/2023
Manganese		0.0020		**0.489**	0.5000	0	97.8	80	120	08/30/2023
Molybdenum	*	0.0015		**0.467**	0.5000	0	93.3	80	120	08/30/2023
Nickel		0.0010		**0.495**	0.5000	0	99.0	80	120	08/30/2023
Selenium		0.0010		**0.469**	0.5000	0	93.8	80	120	08/30/2023
Silver		0.0010		**0.0530**	0.0500	0	106.1	80	120	08/30/2023
Thallium		0.0020		**0.233**	0.2500	0	93.2	80	120	08/30/2023
Vanadium		0.0050		**0.469**	0.5000	0	93.8	80	120	08/30/2023
Zinc		0.0150		**0.456**	0.5000	0	91.1	80	120	08/30/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

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

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

Batch 210814 **SampType:** MS Units **mg/L**

SampID: 23071810-004DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**3.10**	4.000	0.01385	77.2	75	125	08/31/2023
Antimony		0.0010		**0.949**	1.000	0	94.9	75	125	08/31/2023
Arsenic		0.0010		**0.906**	1.000	0.002154	90.4	75	125	08/31/2023
Barium		0.0010		**3.70**	4.000	0.09539	90.2	75	125	08/31/2023
Beryllium		0.0010		**0.0866**	0.1000	0	86.6	75	125	08/31/2023
Boron		0.0250		**0.913**	1.000	0.03014	88.3	75	125	08/31/2023
Cadmium		0.0010		**0.0896**	0.1000	0	89.6	75	125	08/31/2023
Chromium		0.0015		**0.349**	0.4000	0	87.2	75	125	08/31/2023
Cobalt		0.0010		**0.994**	1.000	0.0005190	99.4	75	125	08/31/2023
Copper		0.0010		**0.437**	0.5000	0.001017	87.3	75	125	08/31/2023
Iron		0.0250		**3.94**	4.000	0.4055	88.4	75	125	08/31/2023
Lead		0.0010		**0.934**	1.000	0	93.4	75	125	08/31/2023
Manganese		0.0200	S	**1.93**	1.000	1.492	44.3	75	125	09/13/2023
Molybdenum	*	0.0015		**0.920**	1.000	0.0008750	92.0	75	125	08/31/2023
Nickel		0.0010		**0.867**	1.000	0.0007445	86.6	75	125	08/31/2023
Selenium		0.0010		**0.791**	1.000	0	79.1	75	125	08/31/2023
Silver		0.0010		**0.0985**	0.1000	0	98.5	75	125	08/31/2023
Thallium		0.0020		**0.437**	0.5000	0	87.5	75	125	08/31/2023
Vanadium		0.0050		**0.861**	1.000	0	86.1	75	125	08/31/2023
Zinc		0.0150		**0.776**	1.000	0	77.6	75	125	08/31/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

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

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

Batch 210814 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 23071810-004DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		0.0250		**3.13**	4.000	0.01385	77.9	3.102	0.87	08/31/2023
Antimony		0.0010		**0.982**	1.000	0	98.2	0.9493	3.37	08/31/2023
Arsenic		0.0010		**0.950**	1.000	0.002154	94.8	0.9061	4.71	08/31/2023
Barium		0.0010		**3.83**	4.000	0.09539	93.2	3.705	3.20	08/31/2023
Beryllium		0.0010		**0.0893**	0.1000	0	89.3	0.08655	3.15	08/31/2023
Boron		0.0250		**0.927**	1.000	0.03014	89.6	0.9129	1.50	08/31/2023
Cadmium		0.0010		**0.0930**	0.1000	0	93.0	0.08958	3.75	08/31/2023
Chromium		0.0015		**0.356**	0.4000	0	88.9	0.3490	1.91	08/31/2023
Cobalt		0.0010		**1.03**	1.000	0.0005190	102.8	0.9940	3.45	08/31/2023
Copper		0.0010		**0.450**	0.5000	0.001017	89.9	0.4373	2.93	08/31/2023
Iron		0.0250		**3.99**	4.000	0.4055	89.5	3.941	1.10	08/31/2023
Lead		0.0010		**0.931**	1.000	0	93.1	0.9340	0.35	08/31/2023
Manganese		0.0200	S	**1.97**	1.000	1.492	47.5	1.935	1.66	09/13/2023
Molybdenum	*	0.0015		**0.957**	1.000	0.0008750	95.6	0.9205	3.89	08/31/2023
Nickel		0.0010		**0.897**	1.000	0.0007445	89.6	0.8669	3.36	08/31/2023
Selenium		0.0010		**0.825**	1.000	0	82.5	0.7913	4.13	08/31/2023
Silver		0.0010		**0.102**	0.1000	0	102.2	0.09849	3.66	08/31/2023
Thallium		0.0020		**0.438**	0.5000	0	87.6	0.4373	0.17	08/31/2023
Vanadium		0.0050		**0.882**	1.000	0	88.2	0.8614	2.30	08/31/2023
Zinc		0.0150		**0.801**	1.000	0	80.1	0.7757	3.15	08/31/2023

Batch 210814 **SampType:** MS Units **mg/L**
SampID: 23071810-016CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		**0.506**	0.5000	0	101.2	75	125	08/31/2023
Arsenic		0.0010		**0.491**	0.5000	0	98.2	75	125	08/31/2023
Barium		0.0010		**2.23**	2.000	0.06386	108.2	75	125	09/10/2023
Boron		0.0250		**0.479**	0.5000	0.009340	93.9	75	125	08/31/2023
Cadmium		0.0010		**0.0470**	0.0500	0	94.0	75	125	08/31/2023
Chromium		0.0015		**0.189**	0.2000	0	94.3	75	125	08/31/2023
Cobalt		0.0010		**0.461**	0.5000	0	92.1	75	125	08/31/2023
Lead		0.0010		**0.475**	0.5000	0	95.0	75	125	08/31/2023
Manganese		0.0020		**0.462**	0.5000	0.001600	92.1	75	125	08/31/2023
Zinc		0.0150		**0.470**	0.5000	0	94.1	75	125	08/31/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

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

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

Batch 210814 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 23071810-016CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		0.0010		**0.472**	0.5000	0	94.3	0.5058	7.00	08/31/2023
Arsenic		0.0010		**0.454**	0.5000	0	90.8	0.4908	7.77	08/31/2023
Barium		0.0010		**2.26**	2.000	0.06386	109.9	2.228	1.54	09/10/2023
Boron		0.0250		**0.453**	0.5000	0.009340	88.7	0.4791	5.67	08/31/2023
Cadmium		0.0010		**0.0442**	0.0500	0	88.4	0.04699	6.10	08/31/2023
Chromium		0.0015		**0.178**	0.2000	0	88.8	0.1885	6.03	08/31/2023
Cobalt		0.0010		**0.440**	0.5000	0	88.0	0.4607	4.58	08/31/2023
Lead		0.0010		**0.462**	0.5000	0	92.4	0.4751	2.80	08/31/2023
Manganese		0.0020		**0.433**	0.5000	0.001600	86.3	0.4620	6.42	08/31/2023
Zinc		0.0150		**0.434**	0.5000	0	86.7	0.4704	8.14	08/31/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

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

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

Batch 210815 **SampType:** MBLK Units **mg/L**

SampID: MBLK-210815

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**< 0.0250**	0.0125	0	0	-100	100	09/13/2023
Aluminum		0.0250		**< 0.0250**	0.0125	0	0	-100	100	08/30/2023
Antimony		0.0010		**< 0.0010**	0.0004	0	0	-100	100	08/30/2023
Arsenic		0.0010		**< 0.0010**	0.0004	0	0	-100	100	08/30/2023
Arsenic		0.0010		**< 0.0010**	0.0004	0	0	-100	100	09/13/2023
Barium		0.0010		**< 0.0010**	0.0007	0	0	-100	100	09/13/2023
Barium		0.0010		**< 0.0010**	0.0007	0	0	-100	100	08/30/2023
Beryllium		0.0010		**< 0.0010**	0.0002	0	0	-100	100	09/13/2023
Beryllium		0.0010		**< 0.0010**	0.0002	0	0	-100	100	08/30/2023
Boron		0.0250		**< 0.0250**	0.0093	0	0	-100	100	08/30/2023
Cadmium		0.0010		**< 0.0010**	0.0001	0	0	-100	100	09/13/2023
Cadmium		0.0010		**< 0.0010**	0.0001	0	0	-100	100	08/30/2023
Chromium		0.0015		**< 0.0015**	0.0007	0	0	-100	100	09/13/2023
Chromium		0.0015		**< 0.0015**	0.0007	0	0	-100	100	08/30/2023
Cobalt		0.0010		**< 0.0010**	0.0001	0	0	-100	100	08/30/2023
Copper		0.0010		**< 0.0010**	0.0003	0	0	-100	100	09/13/2023
Copper		0.0010		**< 0.0010**	0.0003	0	0	-100	100	08/30/2023
Iron		0.0250		**< 0.0250**	0.0115	0	0	-100	100	09/13/2023
Iron		0.0250		**< 0.0250**	0.0115	0	0	-100	100	08/30/2023
Lead		0.0010		**< 0.0010**	0.0006	0	0	-100	100	09/13/2023
Lead		0.0010		**< 0.0010**	0.0006	0	0	-100	100	08/30/2023
Manganese		0.0020		**< 0.0020**	0.0008	0	0	-100	100	09/13/2023
Manganese		0.0020		**< 0.0020**	0.0008	0	0	-100	100	08/30/2023
Molybdenum	*	0.0015		**< 0.0015**	0.0006	0	0	-100	100	09/13/2023
Molybdenum	*	0.0015		**< 0.0015**	0.0006	0	0	-100	100	08/30/2023
Nickel		0.0010		**< 0.0010**	0.0004	0	0	-100	100	09/13/2023
Nickel		0.0010		**< 0.0010**	0.0004	0	0	-100	100	08/30/2023
Selenium		0.0010		**< 0.0010**	0.0006	0	0	-100	100	08/30/2023
Silver		0.0010		**< 0.0010**	0.0001	0	0	-100	100	08/30/2023
Silver		0.0010		**< 0.0010**	0.0001	0	0	-100	100	09/13/2023
Thallium		0.0020		**< 0.0020**	0.0010	0	0	-100	100	08/30/2023
Vanadium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	08/30/2023
Zinc		0.0150		**< 0.0150**	0.0059	0	0	-100	100	08/30/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

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

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

Batch 210815 **SampType:** LCS Units **mg/L**

SampID: LCS-210815

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**1.66**	2.000	0	83.1	80	120	08/30/2023
Aluminum		0.0250		**1.81**	2.000	0	90.5	80	120	09/13/2023
Antimony		0.0010		**0.447**	0.5000	0	89.4	80	120	08/30/2023
Arsenic		0.0010		**0.479**	0.5000	0	95.7	80	120	08/30/2023
Arsenic		0.0010		**0.523**	0.5000	0	104.7	80	120	09/13/2023
Barium		0.0010		**1.89**	2.000	0	94.5	80	120	08/30/2023
Barium		0.0010		**2.07**	2.000	0	103.3	80	120	09/13/2023
Beryllium		0.0010		**0.0452**	0.0500	0	90.5	80	120	09/13/2023
Beryllium		0.0010		**0.0421**	0.0500	0	84.2	80	120	08/30/2023
Boron		0.0250		**0.446**	0.5000	0	89.2	80	120	08/30/2023
Cadmium		0.0010		**0.0439**	0.0500	0	87.8	80	120	08/30/2023
Cadmium		0.0010		**0.0472**	0.0500	0	94.4	80	120	09/13/2023
Chromium		0.0015		**0.205**	0.2000	0	102.4	80	120	09/13/2023
Chromium		0.0015		**0.186**	0.2000	0	93.1	80	120	08/30/2023
Cobalt		0.0010		**0.478**	0.5000	0	95.6	80	120	08/30/2023
Copper		0.0010		**0.244**	0.2500	0	97.8	80	120	08/30/2023
Copper		0.0010		**0.259**	0.2500	0	103.6	80	120	09/13/2023
Iron		0.0250		**1.88**	2.000	0	94.2	80	120	08/30/2023
Iron		0.0250		**2.08**	2.000	0	103.9	80	120	09/13/2023
Lead		0.0010		**0.510**	0.5000	0	102.0	80	120	09/13/2023
Lead		0.0010		**0.467**	0.5000	0	93.4	80	120	08/30/2023
Manganese		0.0020		**0.469**	0.5000	0	93.7	80	120	08/30/2023
Manganese		0.0020		**0.522**	0.5000	0	104.3	80	120	09/13/2023
Molybdenum	*	0.0015		**0.476**	0.5000	0	95.3	80	120	09/13/2023
Molybdenum	*	0.0015		**0.451**	0.5000	0	90.2	80	120	08/30/2023
Nickel		0.0010		**0.476**	0.5000	0	95.1	80	120	08/30/2023
Nickel		0.0010		**0.520**	0.5000	0	103.9	80	120	09/13/2023
Selenium		0.0010		**0.433**	0.5000	0	86.7	80	120	08/30/2023
Silver		0.0010		**0.0452**	0.0500	0	90.4	80	120	09/13/2023
Silver		0.0010		**0.0512**	0.0500	0	102.3	80	120	08/30/2023
Thallium		0.0020		**0.228**	0.2500	0	91.4	80	120	08/30/2023
Vanadium		0.0050		**0.461**	0.5000	0	92.1	80	120	08/30/2023
Zinc		0.0150		**0.425**	0.5000	0	85.0	80	120	08/30/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

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

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

Batch 210815 **SampType:** MS Units **mg/L**
SampID: 23071810-034DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**1.68**	2.000	0	84.1	75	125	08/30/2023
Antimony		0.0010		**0.456**	0.5000	0.001644	90.9	75	125	08/30/2023
Arsenic		0.0010		**0.483**	0.5000	0	96.6	75	125	08/30/2023
Barium		0.0010		**1.92**	2.000	0.07190	92.4	75	125	08/30/2023
Beryllium		0.0010		**0.0467**	0.0500	0	93.4	75	125	08/30/2023
Boron		0.0250		**0.481**	0.5000	0	96.2	75	125	08/30/2023
Cadmium		0.0010		**0.0438**	0.0500	0	87.6	75	125	08/30/2023
Chromium		0.0015		**0.186**	0.2000	0	93.0	75	125	08/30/2023
Cobalt		0.0010		**0.469**	0.5000	0	93.8	75	125	08/30/2023
Copper		0.0010		**0.232**	0.2500	0.004065	91.2	75	125	08/30/2023
Iron		0.0250		**1.88**	2.000	0	93.8	75	125	08/30/2023
Lead		0.0010		**0.472**	0.5000	0	94.4	75	125	08/30/2023
Manganese		0.0020		**0.499**	0.5000	0.03745	92.4	75	125	08/30/2023
Molybdenum	*	0.0015		**0.460**	0.5000	0	92.0	75	125	08/30/2023
Nickel		0.0010		**0.460**	0.5000	0	92.0	75	125	08/30/2023
Selenium		0.0010		**0.435**	0.5000	0	86.9	75	125	08/30/2023
Silver		0.0010		**0.0500**	0.0500	0	100.0	75	125	08/30/2023
Thallium		0.0020		**0.235**	0.2500	0	94.2	75	125	08/30/2023
Vanadium		0.0050		**0.462**	0.5000	0	92.3	75	125	08/30/2023
Zinc		0.0150		**0.414**	0.5000	0	82.9	75	125	08/30/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

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

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

Batch **210815** **SampType:** **MSD** Units **mg/L** RPD Limit **20**

SampID: 23071810-034DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		0.0250		**1.67**	2.000	0	83.6	1.683	0.68	08/30/2023
Antimony		0.0010		**0.458**	0.5000	0.001644	91.2	0.4560	0.41	08/30/2023
Arsenic		0.0010		**0.490**	0.5000	0	97.9	0.4830	1.33	08/30/2023
Barium		0.0010		**1.93**	2.000	0.07190	92.7	1.920	0.37	08/30/2023
Beryllium		0.0010		**0.0463**	0.0500	0	92.7	0.04672	0.81	08/30/2023
Boron		0.0250		**0.484**	0.5000	0	96.7	0.4809	0.55	08/30/2023
Cadmium		0.0010		**0.0447**	0.0500	0	89.3	0.04380	1.94	08/30/2023
Chromium		0.0015		**0.187**	0.2000	0	93.5	0.1860	0.59	08/30/2023
Cobalt		0.0010		**0.470**	0.5000	0	94.0	0.4691	0.17	08/30/2023
Copper		0.0010		**0.238**	0.2500	0.004065	93.6	0.2320	2.55	08/30/2023
Iron		0.0250		**1.88**	2.000	0	93.9	1.876	0.13	08/30/2023
Lead		0.0010		**0.473**	0.5000	0	94.6	0.4720	0.17	08/30/2023
Manganese		0.0020		**0.498**	0.5000	0.03745	92.1	0.4993	0.28	08/30/2023
Molybdenum	*	0.0015		**0.467**	0.5000	0	93.4	0.4598	1.57	08/30/2023
Nickel		0.0010		**0.468**	0.5000	0	93.7	0.4600	1.80	08/30/2023
Selenium		0.0010		**0.441**	0.5000	0	88.3	0.4346	1.53	08/30/2023
Silver		0.0010		**0.0504**	0.0500	0	100.9	0.04999	0.90	08/30/2023
Thallium		0.0020		**0.233**	0.2500	0	93.0	0.2354	1.21	08/30/2023
Vanadium		0.0050		**0.467**	0.5000	0	93.3	0.4617	1.09	08/30/2023
Zinc		0.0150		**0.431**	0.5000	0	86.1	0.4144	3.82	08/30/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

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

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

Batch 210815 **SampType:** MS Units **mg/L**

SampID: 23071810-036DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**1.60**	2.000	0	79.9	75	125	08/30/2023
Antimony		0.0010		**0.463**	0.5000	0	92.5	75	125	08/30/2023
Arsenic		0.0010		**0.503**	0.5000	0.001345	100.4	75	125	08/30/2023
Barium		0.0010		**1.90**	2.000	0.04878	92.8	75	125	08/30/2023
Beryllium		0.0010		**0.0438**	0.0500	0	87.6	75	125	08/30/2023
Boron		0.0250		**1.45**	0.5000	1.025	85.3	75	125	08/30/2023
Cadmium		0.0010		**0.0445**	0.0500	0	89.0	75	125	08/30/2023
Chromium		0.0015		**0.181**	0.2000	0	90.7	75	125	08/30/2023
Cobalt		0.0010		**0.499**	0.5000	0.03509	92.8	75	125	08/30/2023
Copper		0.0010		**0.228**	0.2500	0.001314	90.8	75	125	08/30/2023
Iron		0.0250		**7.36**	2.000	5.848	75.7	75	125	08/30/2023
Lead		0.0010		**0.483**	0.5000	0	96.7	75	125	08/30/2023
Manganese		0.0020		**0.976**	0.5000	0.5611	83.0	75	125	08/30/2023
Molybdenum	*	0.0015		**0.480**	0.5000	0.001421	95.7	75	125	08/30/2023
Nickel		0.0010		**0.456**	0.5000	0.001943	90.8	75	125	08/30/2023
Selenium		0.0010		**0.449**	0.5000	0	89.8	75	125	08/30/2023
Silver		0.0010		**0.0497**	0.0500	0	99.4	75	125	08/30/2023
Thallium		0.0020		**0.238**	0.2500	0	95.3	75	125	08/30/2023
Vanadium		0.0050		**0.459**	0.5000	0	91.9	75	125	08/30/2023
Zinc		0.0150		**0.413**	0.5000	0	82.6	75	125	08/30/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

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

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

Batch **210815** **SampType:** **MSD** Units **mg/L** RPD Limit **20**

SampID: 23071810-036DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		0.0250		**1.60**	2.000	0	80.1	1.598	0.28	08/30/2023
Antimony		0.0010		**0.452**	0.5000	0	90.4	0.4627	2.38	08/30/2023
Arsenic		0.0010		**0.510**	0.5000	0.001345	101.8	0.5032	1.37	08/30/2023
Barium		0.0010		**1.90**	2.000	0.04878	92.3	1.905	0.50	08/30/2023
Beryllium		0.0010		**0.0436**	0.0500	0	87.1	0.04381	0.58	08/30/2023
Boron		0.0250		**1.44**	0.5000	1.025	83.9	1.451	0.50	08/30/2023
Cadmium		0.0010		**0.0433**	0.0500	0	86.6	0.04451	2.80	08/30/2023
Chromium		0.0015		**0.181**	0.2000	0	90.3	0.1814	0.47	08/30/2023
Cobalt		0.0010		**0.502**	0.5000	0.03509	93.5	0.4990	0.67	08/30/2023
Copper		0.0010		**0.229**	0.2500	0.001314	91.2	0.2283	0.45	08/30/2023
Iron		0.0250		**7.46**	2.000	5.848	80.4	7.362	1.27	08/30/2023
Lead		0.0010		**0.470**	0.5000	0	94.1	0.4834	2.72	08/30/2023
Manganese		0.0020		**0.981**	0.5000	0.5611	84.0	0.9762	0.47	08/30/2023
Molybdenum	*	0.0015		**0.479**	0.5000	0.001421	95.6	0.4797	0.05	08/30/2023
Nickel		0.0010		**0.460**	0.5000	0.001943	91.5	0.4560	0.77	08/30/2023
Selenium		0.0010		**0.451**	0.5000	0	90.3	0.4492	0.49	08/30/2023
Silver		0.0010		**0.0485**	0.0500	0	97.1	0.04968	2.30	08/30/2023
Thallium		0.0020		**0.236**	0.2500	0	94.3	0.2382	0.98	08/30/2023
Vanadium		0.0050		**0.460**	0.5000	0	92.0	0.4595	0.11	08/30/2023
Zinc		0.0150		**0.414**	0.5000	0	82.8	0.4131	0.19	08/30/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

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

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

Batch 210825 **SampType:** MBLK Units **mg/L**

SampID: MBLK-210825

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**< 0.0250**	0.0125	0	0	-100	100	09/10/2023
Aluminum		0.0250	S	**0.0264**	0.0125	0	211.5	-100	100	08/31/2023
Antimony		0.0010		**< 0.0010**	0.0004	0	0	-100	100	08/31/2023
Arsenic		0.0010		**< 0.0010**	0.0004	0	0	-100	100	08/31/2023
Beryllium		0.0010		**< 0.0010**	0.0002	0	0	-100	100	08/31/2023
Boron		0.0250		**< 0.0250**	0.0093	0	0	-100	100	08/31/2023
Cadmium		0.0010		**< 0.0010**	0.0001	0	0	-100	100	08/31/2023
Chromium		0.0015		**< 0.0015**	0.0007	0	0	-100	100	08/31/2023
Cobalt		0.0010		**< 0.0010**	0.0001	0	0	-100	100	08/31/2023
Copper		0.0010		**< 0.0010**	0.0003	0	0	-100	100	08/31/2023
Iron		0.0250		**< 0.0250**	0.0115	0	0	-100	100	08/31/2023
Lead		0.0010		**< 0.0010**	0.0006	0	0	-100	100	08/31/2023
Manganese		0.0020		**< 0.0020**	0.0008	0	0	-100	100	08/31/2023
Molybdenum	*	0.0015		**< 0.0015**	0.0006	0	0	-100	100	08/31/2023
Nickel		0.0010		**< 0.0010**	0.0004	0	0	-100	100	08/31/2023
Selenium		0.0010		**< 0.0010**	0.0006	0	0	-100	100	08/31/2023
Silver		0.0010		**< 0.0010**	0.0001	0	0	-100	100	08/31/2023
Thallium		0.0020		**< 0.0020**	0.0010	0	0	-100	100	08/31/2023
Vanadium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	08/31/2023
Zinc		0.0150		**< 0.0150**	0.0059	0	0	-100	100	08/31/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

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

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

Batch 210825 **SampType:** LCS Units **mg/L**
SampID: LCS-210825

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250	B	**1.90**	2.000	0	95.0	80	120	08/31/2023
Antimony		0.0010		**0.484**	0.5000	0	96.8	80	120	08/31/2023
Arsenic		0.0010		**0.487**	0.5000	0	97.3	80	120	08/31/2023
Barium		0.0010		**2.12**	2.000	0	105.9	80	120	09/10/2023
Beryllium		0.0010		**0.0461**	0.0500	0	92.3	80	120	08/31/2023
Boron		0.0250		**0.486**	0.5000	0	97.3	80	120	08/31/2023
Cadmium		0.0010		**0.0472**	0.0500	0	94.3	80	120	08/31/2023
Chromium		0.0015		**0.193**	0.2000	0	96.4	80	120	08/31/2023
Cobalt		0.0010		**0.480**	0.5000	0	96.1	80	120	08/31/2023
Copper		0.0010		**0.240**	0.2500	0	95.9	80	120	08/31/2023
Iron		0.0250		**1.90**	2.000	0	95.1	80	120	08/31/2023
Lead		0.0010		**0.508**	0.5000	0	101.7	80	120	09/10/2023
Manganese		0.0020		**0.475**	0.5000	0	95.0	80	120	08/31/2023
Molybdenum	*	0.0015		**0.452**	0.5000	0	90.4	80	120	08/31/2023
Nickel		0.0010		**0.479**	0.5000	0	95.8	80	120	08/31/2023
Selenium		0.0010		**0.444**	0.5000	0	88.8	80	120	08/31/2023
Silver		0.0010		**0.0525**	0.0500	0	104.9	80	120	08/31/2023
Thallium		0.0020		**0.231**	0.2500	0	92.5	80	120	08/31/2023
Vanadium		0.0050		**0.481**	0.5000	0	96.3	80	120	08/31/2023
Zinc		0.0150		**0.509**	0.5000	0	101.8	80	120	09/10/2023

Batch 210825 **SampType:** MS Units **mg/L**
SampID: 23071810-082DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**2.03**	2.000	0.02870	100.2	75	125	09/11/2023
Arsenic		0.0010		**0.519**	0.5000	0.002896	103.3	75	125	09/11/2023
Boron		0.0250		**0.601**	0.5000	0.1410	91.9	75	125	09/11/2023
Copper		0.0010		**0.232**	0.2500	0.001679	91.9	75	125	09/11/2023
Iron		0.0250		**2.87**	2.000	0.8198	102.4	75	125	09/11/2023
Lead		0.0010		**0.544**	0.5000	0	108.9	75	125	09/11/2023
Manganese		0.0020		**4.40**	0.5000	3.878	105.4	75	125	09/11/2023
Nickel		0.0010		**0.477**	0.5000	0.003421	94.7	75	125	09/11/2023
Silver		0.0010		**0.0541**	0.0500	0	108.1	75	125	09/11/2023
Vanadium		0.0050		**0.472**	0.5000	0	94.5	75	125	09/01/2023
Zinc		0.0150		**0.501**	0.5000	0	100.1	75	125	09/11/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

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

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

Batch 210825 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 23071810-082DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		0.0250		**2.01**	2.000	0.02870	99.2	2.032	0.96	09/11/2023
Arsenic		0.0010		**0.507**	0.5000	0.002896	100.9	0.5195	2.40	09/11/2023
Boron		0.0250		**0.598**	0.5000	0.1410	91.5	0.6006	0.36	09/11/2023
Copper		0.0010		**0.228**	0.2500	0.001679	90.6	0.2316	1.42	09/11/2023
Iron		0.0250		**2.84**	2.000	0.8198	100.8	2.869	1.18	09/11/2023
Lead		0.0010		**0.538**	0.5000	0	107.5	0.5443	1.21	09/11/2023
Manganese		0.0020		**4.40**	0.5000	3.878	104.7	4.405	0.09	09/11/2023
Nickel		0.0010		**0.474**	0.5000	0.003421	94.2	0.4770	0.59	09/11/2023
Silver		0.0010		**0.0527**	0.0500	0	105.4	0.05405	2.51	09/11/2023
Vanadium		0.0050		**0.454**	0.5000	0	90.7	0.4724	4.07	09/01/2023
Zinc		0.0150		**0.493**	0.5000	0	98.7	0.5006	1.48	09/11/2023

Batch 210902 **SampType:** MBLK Units **mg/L**
SampID: MBLK-210902

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**< 0.0250**	0.0125	0	0	-100	100	09/14/2023
Antimony		0.0010		**< 0.0010**	0.0004	0	0	-100	100	09/01/2023
Arsenic		0.0010		**< 0.0010**	0.0004	0	0	-100	100	09/14/2023
Barium		0.0010		**< 0.0010**	0.0007	0	0	-100	100	09/14/2023
Beryllium		0.0010		**< 0.0010**	0.0002	0	0	-100	100	09/14/2023
Boron		0.0250		**< 0.0250**	0.0093	0	0	-100	100	09/14/2023
Cadmium		0.0010		**< 0.0010**	0.0001	0	0	-100	100	09/14/2023
Chromium		0.0015		**< 0.0015**	0.0007	0	0	-100	100	09/14/2023
Cobalt		0.0010		**< 0.0010**	0.0001	0	0	-100	100	09/01/2023
Copper		0.0010		**< 0.0010**	0.0003	0	0	-100	100	09/14/2023
Iron		0.0250		**< 0.0250**	0.0115	0	0	-100	100	09/14/2023
Lead		0.0010		**< 0.0010**	0.0006	0	0	-100	100	09/14/2023
Manganese		0.0020		**< 0.0020**	0.0008	0	0	-100	100	09/14/2023
Molybdenum	*	0.0015		**< 0.0015**	0.0006	0	0	-100	100	09/14/2023
Nickel		0.0010		**< 0.0010**	0.0004	0	0	-100	100	09/14/2023
Selenium		0.0010		**< 0.0010**	0.0006	0	0	-100	100	09/01/2023
Silver		0.0010		**< 0.0010**	0.0001	0	0	-100	100	09/14/2023
Thallium		0.0020		**< 0.0020**	0.0010	0	0	-100	100	09/01/2023
Vanadium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	09/01/2023
Zinc		0.0150		**< 0.0150**	0.0059	0	0	-100	100	09/14/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

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

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

Batch 210902 **SampType:** LCS Units **mg/L**
SampID: LCS-210902

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**1.94**	2.000	0	96.9	80	120	09/14/2023
Antimony		0.0010		**0.462**	0.5000	0	92.3	80	120	09/01/2023
Arsenic		0.0010		**0.543**	0.5000	0	108.7	80	120	09/14/2023
Arsenic		0.0010		**0.528**	0.5000	0	105.7	80	120	09/14/2023
Barium		0.0010		**2.27**	2.000	0	113.3	80	120	09/14/2023
Beryllium		0.0010		**0.0497**	0.0500	0	99.5	80	120	09/14/2023
Boron		0.0250		**0.475**	0.5000	0	95.0	80	120	09/14/2023
Cadmium		0.0010		**0.0514**	0.0500	0	102.7	80	120	09/14/2023
Chromium		0.0015		**0.209**	0.2000	0	104.5	80	120	09/14/2023
Cobalt		0.0010		**0.486**	0.5000	0	97.2	80	120	09/01/2023
Copper		0.0010		**0.256**	0.2500	0	102.5	80	120	09/14/2023
Iron		0.0250		**2.08**	2.000	0	103.8	80	120	09/14/2023
Lead		0.0010		**0.535**	0.5000	0	106.9	80	120	09/14/2023
Manganese		0.0020		**0.539**	0.5000	0	107.7	80	120	09/14/2023
Molybdenum	*	0.0015		**0.499**	0.5000	0	99.7	80	120	09/14/2023
Nickel		0.0010		**0.510**	0.5000	0	102.0	80	120	09/14/2023
Selenium		0.0010		**0.447**	0.5000	0	89.4	80	120	09/01/2023
Silver		0.0010		**0.0482**	0.0500	0	96.3	80	120	09/14/2023
Thallium		0.0020		**0.231**	0.2500	0	92.3	80	120	09/01/2023
Vanadium		0.0050		**0.462**	0.5000	0	92.4	80	120	09/01/2023
Zinc		0.0150		**0.491**	0.5000	0	98.3	80	120	09/14/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

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

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

Batch 210902 **SampType:** MS Units **mg/L**
SampID: 23071810-028DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**1.92**	2.000	0.01577	95.2	75	125	09/14/2023
Antimony		0.0010		**0.462**	0.5000	0	92.4	75	125	09/01/2023
Arsenic		0.0010		**0.544**	0.5000	0	108.8	75	125	09/14/2023
Barium		0.0010		**2.28**	2.000	0.1003	108.9	75	125	09/14/2023
Beryllium		0.0010		**0.0492**	0.0500	0	98.4	75	125	09/14/2023
Boron		0.0250		**0.503**	0.5000	0	100.6	75	125	09/14/2023
Cadmium		0.0010		**0.0496**	0.0500	0	99.3	75	125	09/14/2023
Chromium		0.0015		**0.209**	0.2000	0.0009832	103.9	75	125	09/14/2023
Cobalt		0.0010		**0.472**	0.5000	0	94.3	75	125	09/01/2023
Copper		0.0010		**0.256**	0.2500	0.001184	101.9	75	125	09/14/2023
Iron		0.0250		**2.08**	2.000	0.02414	102.7	75	125	09/14/2023
Lead		0.0010		**0.531**	0.5000	0	106.3	75	125	09/14/2023
Manganese		0.0020		**0.544**	0.5000	0.004646	107.8	75	125	09/14/2023
Molybdenum	*	0.0015		**0.500**	0.5000	0.0007224	99.9	75	125	09/14/2023
Nickel		0.0010		**0.509**	0.5000	0.0004698	101.7	75	125	09/14/2023
Selenium		0.0010		**0.456**	0.5000	0.002674	90.7	75	125	09/01/2023
Silver		0.0010		**0.0467**	0.0500	0	93.4	75	125	09/14/2023
Thallium		0.0020		**0.226**	0.2500	0	90.4	75	125	09/01/2023
Vanadium		0.0050		**0.454**	0.5000	0	90.8	75	125	09/01/2023
Zinc		0.0150		**0.487**	0.5000	0	97.4	75	125	09/14/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

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

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

Batch 210902 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 23071810-028DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		0.0250		**1.85**	2.000	0.01577	91.8	1.920	3.67	09/14/2023
Antimony		0.0010		**0.473**	0.5000	0	94.6	0.4621	2.31	09/01/2023
Arsenic		0.0010		**0.541**	0.5000	0	108.1	0.5438	0.58	09/14/2023
Barium		0.0010		**2.25**	2.000	0.1003	107.6	2.279	1.16	09/14/2023
Beryllium		0.0010		**0.0482**	0.0500	0	96.3	0.04919	2.14	09/14/2023
Boron		0.0250		**0.489**	0.5000	0	97.7	0.5032	2.95	09/14/2023
Cadmium		0.0010		**0.0494**	0.0500	0	98.7	0.04963	0.52	09/14/2023
Chromium		0.0015		**0.204**	0.2000	0.0009832	101.3	0.2087	2.45	09/14/2023
Cobalt		0.0010		**0.444**	0.5000	0	88.9	0.4716	5.97	09/01/2023
Copper		0.0010		**0.248**	0.2500	0.001184	98.7	0.2559	3.20	09/14/2023
Iron		0.0250		**2.03**	2.000	0.02414	100.3	2.078	2.29	09/14/2023
Lead		0.0010		**0.522**	0.5000	0	104.4	0.5314	1.78	09/14/2023
Manganese		0.0020		**0.527**	0.5000	0.004646	104.4	0.5436	3.18	09/14/2023
Molybdenum	*	0.0015		**0.494**	0.5000	0.0007224	98.7	0.5001	1.15	09/14/2023
Nickel		0.0010		**0.495**	0.5000	0.0004698	98.9	0.5092	2.85	09/14/2023
Selenium		0.0010		**0.456**	0.5000	0.002674	90.6	0.4561	0.10	09/01/2023
Silver		0.0010		**0.0462**	0.0500	0	92.4	0.04668	0.99	09/14/2023
Thallium		0.0020		**0.227**	0.2500	0	91.0	0.2261	0.63	09/01/2023
Vanadium		0.0050		**0.453**	0.5000	0	90.7	0.4539	0.11	09/01/2023
Zinc		0.0150		**0.482**	0.5000	0	96.4	0.4869	0.98	09/14/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

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

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

Batch 210902 **SampType:** MS Units **mg/L**
SampID: 23071810-030DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**1.84**	2.000	0	92.1	75	125	09/14/2023
Antimony		0.0010		**0.469**	0.5000	0	93.8	75	125	09/01/2023
Arsenic		0.0010		**0.527**	0.5000	0	105.4	75	125	09/14/2023
Barium		0.0010		**2.18**	2.000	0.04935	106.7	75	125	09/14/2023
Beryllium		0.0010		**0.0485**	0.0500	0	97.1	75	125	09/14/2023
Boron		0.0250		**0.488**	0.5000	0	97.6	75	125	09/14/2023
Cadmium		0.0010		**0.0496**	0.0500	0	99.2	75	125	09/14/2023
Chromium		0.0015		**0.206**	0.2000	0.0007224	102.6	75	125	09/14/2023
Cobalt		0.0010		**0.417**	0.5000	0	83.3	75	125	09/01/2023
Copper		0.0010		**0.254**	0.2500	0.001428	101.1	75	125	09/14/2023
Iron		0.0250		**2.05**	2.000	0.01838	101.6	75	125	09/14/2023
Lead		0.0010		**0.528**	0.5000	0	105.7	75	125	09/14/2023
Manganese		0.0020		**0.534**	0.5000	0.003166	106.1	75	125	09/14/2023
Molybdenum	*	0.0015		**0.505**	0.5000	0	101.1	75	125	09/14/2023
Nickel		0.0010		**0.504**	0.5000	0	100.8	75	125	09/14/2023
Selenium		0.0010		**0.441**	0.5000	0	88.2	75	125	09/01/2023
Silver		0.0010		**0.0467**	0.0500	0	93.3	75	125	09/14/2023
Thallium		0.0020		**0.226**	0.2500	0	90.4	75	125	09/01/2023
Vanadium		0.0050		**0.447**	0.5000	0	89.4	75	125	09/01/2023
Zinc		0.0150		**0.466**	0.5000	0	93.3	75	125	09/14/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

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

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

Batch 210902 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 23071810-030DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		0.0250		**1.81**	2.000	0	90.6	1.842	1.62	09/14/2023
Antimony		0.0010		**0.473**	0.5000	0	94.6	0.4692	0.85	09/01/2023
Arsenic		0.0010		**0.519**	0.5000	0	103.8	0.5268	1.46	09/14/2023
Barium		0.0010		**2.12**	2.000	0.04935	103.5	2.183	2.94	09/14/2023
Beryllium		0.0010		**0.0480**	0.0500	0	96.0	0.04854	1.11	09/14/2023
Boron		0.0250		**0.499**	0.5000	0	99.8	0.4879	2.23	09/14/2023
Cadmium		0.0010		**0.0478**	0.0500	0	95.7	0.04958	3.59	09/14/2023
Chromium		0.0015		**0.202**	0.2000	0.0007224	100.7	0.2059	1.90	09/14/2023
Cobalt		0.0010		**0.415**	0.5000	0	82.9	0.4166	0.46	09/01/2023
Copper		0.0010		**0.241**	0.2500	0.001428	95.9	0.2541	5.26	09/14/2023
Iron		0.0250		**1.98**	2.000	0.01838	98.3	2.051	3.30	09/14/2023
Lead		0.0010		**0.509**	0.5000	0	101.8	0.5284	3.72	09/14/2023
Manganese		0.0020		**0.512**	0.5000	0.003166	101.7	0.5335	4.15	09/14/2023
Molybdenum	*	0.0015		**0.490**	0.5000	0	98.0	0.5054	3.11	09/14/2023
Nickel		0.0010		**0.486**	0.5000	0	97.2	0.5040	3.68	09/14/2023
Selenium		0.0010		**0.438**	0.5000	0	87.7	0.4408	0.58	09/01/2023
Silver		0.0010		**0.0449**	0.0500	0	89.9	0.04667	3.77	09/14/2023
Thallium		0.0020		**0.222**	0.2500	0	88.7	0.2261	1.96	09/01/2023
Vanadium		0.0050		**0.445**	0.5000	0	89.0	0.4468	0.44	09/01/2023
Zinc		0.0150		**0.457**	0.5000	0	91.4	0.4664	2.07	09/14/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

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

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

Batch 210928 **SampType:** MBLK Units **mg/L**
SampID: MBLK-210928

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**< 0.0250**	0.0125	0	0	-100	100	09/08/2023
Antimony		0.0010		**< 0.0010**	0.0004	0	0	-100	100	09/01/2023
Arsenic		0.0010		**< 0.0010**	0.0004	0	0	-100	100	09/08/2023
Barium		0.0010		**< 0.0010**	0.0007	0	0	-100	100	09/08/2023
Beryllium		0.0010		**< 0.0010**	0.0002	0	0	-100	100	09/08/2023
Boron		0.0250		**< 0.0250**	0.0093	0	0	-100	100	09/08/2023
Cadmium		0.0010		**< 0.0010**	0.0001	0	0	-100	100	09/08/2023
Chromium		0.0015		**< 0.0015**	0.0007	0	0	-100	100	09/08/2023
Chromium		0.0015		**< 0.0015**	0.0007	0	0	-100	100	09/08/2023
Cobalt		0.0010		**< 0.0010**	0.0001	0	0	-100	100	09/01/2023
Copper		0.0010		**< 0.0010**	0.0003	0	0	-100	100	09/08/2023
Iron		0.0250		**< 0.0250**	0.0115	0	0	-100	100	09/08/2023
Lead		0.0010		**< 0.0010**	0.0006	0	0	-100	100	09/08/2023
Manganese		0.0020		**< 0.0020**	0.0008	0	0	-100	100	09/08/2023
Molybdenum	*	0.0015		**< 0.0015**	0.0006	0	0	-100	100	09/08/2023
Nickel		0.0010		**< 0.0010**	0.0004	0	0	-100	100	09/08/2023
Selenium		0.0010		**< 0.0010**	0.0006	0	0	-100	100	09/01/2023
Silver		0.0010		**< 0.0010**	0.0001	0	0	-100	100	09/08/2023
Thallium		0.0020		**< 0.0020**	0.0010	0	0	-100	100	09/01/2023
Vanadium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	09/01/2023
Zinc		0.0150		**< 0.0150**	0.0059	0	0	-100	100	09/08/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

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

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

Batch 210928 **SampType:** LCS Units **mg/L**
SampID: LCS-210928

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**2.07**	2.000	0	103.3	80	120	09/08/2023
Antimony		0.0010		**0.450**	0.5000	0	90.1	80	120	09/01/2023
Arsenic		0.0010		**0.495**	0.5000	0	99.1	80	120	09/08/2023
Barium		0.0010		**2.33**	2.000	0	116.5	80	120	09/08/2023
Beryllium		0.0010		**0.0461**	0.0500	0	92.3	80	120	09/08/2023
Boron		0.0250		**0.484**	0.5000	0	96.7	80	120	09/08/2023
Cadmium		0.0010		**0.0492**	0.0500	0	98.5	80	120	09/08/2023
Chromium		0.0015		**0.196**	0.2000	0	98.1	80	120	09/08/2023
Cobalt		0.0010		**0.477**	0.5000	0	95.4	80	120	09/01/2023
Copper		0.0010		**0.265**	0.2500	0	106.2	80	120	09/08/2023
Iron		0.0250		**1.98**	2.000	0	98.9	80	120	09/08/2023
Lead		0.0010		**0.503**	0.5000	0	100.6	80	120	09/08/2023
Manganese		0.0020		**0.506**	0.5000	0	101.1	80	120	09/08/2023
Molybdenum	*	0.0015		**0.499**	0.5000	0	99.9	80	120	09/08/2023
Nickel		0.0010		**0.527**	0.5000	0	105.3	80	120	09/08/2023
Selenium		0.0010		**0.443**	0.5000	0	88.6	80	120	09/01/2023
Silver		0.0010		**0.0525**	0.0500	0	105.1	80	120	09/08/2023
Thallium		0.0020		**0.227**	0.2500	0	91.0	80	120	09/01/2023
Vanadium		0.0050		**0.451**	0.5000	0	90.1	80	120	09/01/2023
Zinc		0.0150		**0.413**	0.5000	0	82.6	80	120	09/08/2023

Batch 210928 **SampType:** MS Units **mg/L**
SampID: 23071810-094DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**1.98**	2.000	0.1910	89.3	75	125	09/13/2023
Iron		0.0250		**2.00**	2.000	0	99.9	75	125	09/13/2023
Manganese		0.0400	S	**6.89**	0.5000	6.769	24.2	75	125	09/13/2023

Batch 210928 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 23071810-094DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		0.0250		**2.00**	2.000	0.1910	90.2	1.977	0.93	09/13/2023
Iron		0.0250		**1.97**	2.000	0	98.7	1.999	1.26	09/13/2023
Manganese		0.0400	S	**7.01**	0.5000	6.769	48.1	6.890	1.71	09/13/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

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

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

Batch 210770 **SampType:** MBLK Units **mg/L**

SampID: MBLK-210770

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**< 0.0250**	0.0125	0	0	-100	100	08/22/2023
Antimony		0.0010		**< 0.0010**	0.0004	0	0	-100	100	08/22/2023
Arsenic		0.0010		**< 0.0010**	0.0004	0	0	-100	100	08/23/2023
Barium		0.0010		**< 0.0010**	0.0007	0	0	-100	100	08/22/2023
Beryllium		0.0010		**< 0.0010**	0.0002	0	0	-100	100	08/22/2023
Boron	*	0.0250		**< 0.0250**	0.0093	0	0	-100	100	08/22/2023
Cadmium		0.0010		**< 0.0010**	0.0001	0	0	-100	100	08/22/2023
Chromium		0.0015		**< 0.0015**	0.0007	0	0	-100	100	08/23/2023
Cobalt		0.0010		**< 0.0010**	0.0001	0	0	-100	100	08/23/2023
Copper		0.0010	S	**0.0025**	0.0003	0	837.0	-100	100	08/29/2023
Iron	*	0.0250		**< 0.0250**	0.0115	0	0	-100	100	08/23/2023
Lead		0.0010		**< 0.0010**	0.0006	0	0	-100	100	08/22/2023
Lithium	*	0.0030		**< 0.0030**	0.0015	0	0	-100	100	08/23/2023
Manganese		0.0020		**< 0.0020**	0.0008	0	0	-100	100	08/23/2023
Molybdenum	*	0.0015		**< 0.0015**	0.0006	0	0	-100	100	08/22/2023
Nickel		0.0010		**< 0.0010**	0.0004	0	0	-100	100	08/22/2023
Selenium		0.0010		**< 0.0010**	0.0006	0	0	-100	100	08/22/2023
Silver		0.0010		**< 0.0010**	0.0001	0	0	-100	100	08/22/2023
Thallium		0.0020		**< 0.0020**	0.0010	0	0	-100	100	08/26/2023
Vanadium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	08/23/2023
Zinc		0.0150		**< 0.0150**	0.0059	0	0	-100	100	08/22/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

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

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

Batch 210770 **SampType:** LCS Units **mg/L**

SampID: LCS-210770

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**1.92**	2.000	0	96.1	85	115	08/22/2023
Antimony		0.0010		**0.538**	0.5000	0	107.6	85	115	08/22/2023
Arsenic		0.0010		**0.552**	0.5000	0	110.5	85	115	08/23/2023
Barium		0.0010		**2.20**	2.000	0	110.2	85	115	08/22/2023
Beryllium		0.0010		**0.0495**	0.0500	0	99.1	85	115	08/22/2023
Boron	*	0.0250		**0.502**	0.5000	0	100.3	85	115	08/22/2023
Cadmium		0.0010		**0.0521**	0.0500	0	104.2	85	115	08/22/2023
Chromium		0.0015		**0.197**	0.2000	0	98.5	85	115	08/23/2023
Cobalt		0.0010		**0.516**	0.5000	0	103.2	85	115	08/23/2023
Copper		0.0010	B	**0.276**	0.2500	0	110.4	85	115	08/29/2023
Iron	*	0.0250		**1.94**	2.000	0	96.8	85	115	08/23/2023
Lead		0.0010		**0.532**	0.5000	0	106.4	85	115	08/22/2023
Lithium	*	0.0030		**0.469**	0.5000	0	93.9	85	115	08/23/2023
Manganese		0.0020		**0.502**	0.5000	0	100.5	85	115	08/23/2023
Molybdenum	*	0.0015		**0.489**	0.5000	0	97.7	85	115	08/22/2023
Nickel		0.0010		**0.529**	0.5000	0	105.9	85	115	08/22/2023
Selenium		0.0010		**0.524**	0.5000	0	104.8	85	115	08/22/2023
Thallium		0.0020		**0.263**	0.2500	0	105.3	85	115	08/26/2023
Vanadium		0.0050		**0.507**	0.5000	0	101.4	85	115	08/23/2023
Zinc		0.0150		**0.508**	0.5000	0	101.5	85	115	08/22/2023

Batch 210770 **SampType:** MS Units **mg/L**

SampID: 23071810-009CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		0.0250		**0.548**	0.5000	0.01338	106.9	75	125	09/13/2023

Batch 210770 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 23071810-009CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Boron		0.0250		**0.555**	0.5000	0.01338	108.2	0.5478	1.23	09/13/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

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

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

Batch 210785 **SampType:** MBLK Units **mg/L**
SampID: MBLK-210785

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		0.0250		**< 0.0250**	0.0093	0	0	-100	100	09/10/2023
Copper		0.0010		**< 0.0010**	0.0003	0	0	-100	100	08/16/2023
Iron	*	0.0250		**< 0.0250**	0.0115	0	0	-100	100	08/16/2023
Manganese		0.0020		**< 0.0020**	0.0008	0	0	-100	100	08/16/2023

Batch 210785 **SampType:** LCS Units **mg/L**
SampID: LCS-210785

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		0.0250		**0.481**	0.5000	0	96.3	80	120	09/10/2023
Copper		0.0010		**0.274**	0.2500	0	109.4	85	115	08/16/2023
Iron	*	0.0250		**2.08**	2.000	0	104.0	85	115	08/16/2023
Manganese		0.0020		**0.505**	0.5000	0	101.1	85	115	08/16/2023

Batch 210785 **SampType:** LCSD Units **mg/L** RPD Limit **20**
SampID: LCSD-210785

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Boron		0.0250		**0.465**	0.5000	0	92.9	0.4813	3.53	09/11/2023
Copper		0.0010		**0.262**	0.2500	0	104.9	0.2736	4.28	08/16/2023
Iron	*	0.0250		**2.07**	2.000	0	103.3	2.079	0.65	08/16/2023
Manganese		0.0020		**0.499**	0.5000	0	99.7	0.5054	1.35	08/16/2023

Batch 210785 **SampType:** MS Units **mg/L**
SampID: 23071810-012CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		0.0250		**0.483**	0.5000	0	96.6	75	125	09/11/2023

Batch 210785 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 23071810-012CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Boron		0.0250		**0.489**	0.5000	0	97.9	0.4832	1.29	09/11/2023

Batch 210785 **SampType:** MS Units **mg/L**
SampID: 23071810-017CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		0.0250		**0.481**	0.5000	0	96.2	75	125	09/11/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

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

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

Batch **210785** **SampType:** **MSD** Units **mg/L** RPD Limit **20**
SampID: 23071810-017CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Boron		0.0250		**0.480**	0.5000	0	96.0	0.4808	0.12	09/11/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

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

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

Batch 210812 **SampType:** MBLK Units **mg/L**

SampID: MBLK-210812

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**< 0.0250**	0.0125	0	0	-100	100	08/30/2023
Antimony		0.0010		**< 0.0010**	0.0004	0	0	-100	100	08/30/2023
Antimony		0.0010		**< 0.0010**	0.0004	0	0	-100	100	08/29/2023
Arsenic		0.0010		**< 0.0010**	0.0004	0	0	-100	100	08/30/2023
Arsenic		0.0010		**< 0.0010**	0.0004	0	0	-100	100	08/29/2023
Barium		0.0010		**< 0.0010**	0.0007	0	0	-100	100	08/30/2023
Beryllium		0.0010		**< 0.0010**	0.0003	0	0	-100	100	08/30/2023
Boron	*	0.0250		**< 0.0250**	0.0093	0	0	-100	100	08/30/2023
Cadmium		0.0010		**< 0.0010**	0.0001	0	0	-100	100	08/29/2023
Cadmium		0.0010		**< 0.0010**	0.0001	0	0	-100	100	08/30/2023
Chromium		0.0015		**< 0.0015**	0.0007	0	0	-100	100	08/29/2023
Chromium		0.0015		**< 0.0015**	0.0007	0	0	-100	100	08/30/2023
Cobalt		0.0010		**< 0.0010**	0.0001	0	0	-100	100	08/30/2023
Copper		0.0010	S	**0.0010**	0.0003	0	345.1	-100	100	08/29/2023
Iron	*	0.0250		**< 0.0250**	0.0115	0	0	-100	100	08/29/2023
Iron	*	0.0250		**< 0.0250**	0.0115	0	0	-100	100	08/30/2023
Lead		0.0010		**< 0.0010**	0.0006	0	0	-100	100	08/29/2023
Lead		0.0010		**< 0.0010**	0.0006	0	0	-100	100	08/30/2023
Lithium	*	0.0030		**< 0.0030**	0.0015	0	0	-100	100	08/30/2023
Manganese		0.0020		**< 0.0020**	0.0008	0	0	-100	100	08/30/2023
Molybdenum	*	0.0015		**< 0.0015**	0.0006	0	0	-100	100	08/29/2023
Molybdenum	*	0.0015		**< 0.0015**	0.0006	0	0	-100	100	08/30/2023
Nickel		0.0010		**< 0.0010**	0.0004	0	0	-100	100	08/29/2023
Nickel		0.0010		**< 0.0010**	0.0004	0	0	-100	100	08/30/2023
Selenium		0.0010		**< 0.0010**	0.0006	0	0	-100	100	08/29/2023
Selenium		0.0010		**< 0.0010**	0.0006	0	0	-100	100	08/30/2023
Silver		0.0010		**< 0.0010**	0.0001	0	0	-100	100	08/29/2023
Silver		0.0010		**< 0.0010**	0.0001	0	0	-100	100	08/30/2023
Thallium		0.0020		**< 0.0020**	0.0010	0	0	-100	100	08/30/2023
Vanadium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	08/29/2023
Vanadium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	08/30/2023
Zinc		0.0150		**< 0.0150**	0.0059	0	0	-100	100	08/29/2023
Zinc		0.0150		**< 0.0150**	0.0059	0	0	-100	100	08/30/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

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

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

Batch 210812 **SampType:** LCS Units **mg/L**
SampID: LCS-210812

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**1.80**	2.000	0	90.1	85	115	08/30/2023
Antimony		0.0010		**0.507**	0.5000	0	101.4	85	115	08/30/2023
Antimony		0.0010		**0.516**	0.5000	0	103.3	85	115	08/30/2023
Arsenic		0.0010		**0.528**	0.5000	0	105.6	85	115	08/30/2023
Arsenic		0.0010		**0.532**	0.5000	0	106.5	85	115	08/30/2023
Barium		0.0010		**2.07**	2.000	0	103.5	85	115	08/30/2023
Beryllium		0.0010		**0.0486**	0.0500	0	97.2	85	115	08/30/2023
Boron	*	0.0250		**0.512**	0.5000	0	102.4	85	115	08/30/2023
Cadmium		0.0010		**0.0509**	0.0500	0	101.7	85	115	08/30/2023
Cadmium		0.0010		**0.0498**	0.0500	0	99.6	85	115	08/30/2023
Chromium		0.0015		**0.203**	0.2000	0	101.3	85	115	08/30/2023
Chromium		0.0015		**0.212**	0.2000	0	105.9	85	115	08/30/2023
Cobalt		0.0010		**0.524**	0.5000	0	104.7	85	115	08/30/2023
Copper		0.0010	B	**0.263**	0.2500	0	105.0	85	115	08/30/2023
Iron	*	0.0250		**2.01**	2.000	0	100.6	85	115	08/30/2023
Iron	*	0.0250		**2.09**	2.000	0	104.5	85	115	08/30/2023
Lead		0.0010		**0.475**	0.5000	0	95.0	85	115	08/30/2023
Lead		0.0010		**0.515**	0.5000	0	102.9	85	115	08/30/2023
Lithium	*	0.0030		**0.512**	0.5000	0	102.5	85	115	08/30/2023
Manganese		0.0020		**0.513**	0.5000	0	102.6	85	115	08/30/2023
Molybdenum	*	0.0015		**0.505**	0.5000	0	101.1	85	115	08/30/2023
Molybdenum	*	0.0015		**0.499**	0.5000	0	99.7	85	115	08/30/2023
Nickel		0.0010		**0.531**	0.5000	0	106.2	85	115	08/30/2023
Nickel		0.0010		**0.504**	0.5000	0	100.7	85	115	08/30/2023
Selenium		0.0010		**0.477**	0.5000	0	95.4	85	115	08/30/2023
Selenium		0.0010		**0.491**	0.5000	0	98.1	85	115	08/30/2023
Silver		0.0010	S	**0.0579**	0.0500	0	115.7	85	115	08/30/2023
Thallium		0.0020		**0.251**	0.2500	0	100.6	85	115	08/30/2023
Vanadium		0.0050		**0.512**	0.5000	0	102.5	85	115	08/30/2023
Vanadium		0.0050		**0.507**	0.5000	0	101.4	85	115	08/30/2023
Zinc		0.0150		**0.453**	0.5000	0	90.5	85	115	08/30/2023
Zinc		0.0150		**0.475**	0.5000	0	94.9	85	115	08/30/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

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

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

Batch 210812 **SampType:** MS Units **mg/L**
SampID: 23071810-101CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		0.0250		**0.483**	0.5000	0.01088	94.3	75	125	09/11/2023

Batch 210812 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 23071810-101CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Boron		0.0250		**0.480**	0.5000	0.01088	93.8	0.4825	0.58	09/11/2023

Batch 210813 **SampType:** MBLK Units **mg/L**
SampID: MBLK-210813

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**< 0.0250**	0.0125	0	0	-100	100	08/31/2023
Antimony		0.0010		**< 0.0010**	0.0004	0	0	-100	100	08/31/2023
Arsenic		0.0010		**< 0.0010**	0.0004	0	0	-100	100	08/31/2023
Barium		0.0010		**< 0.0010**	0.0007	0	0	-100	100	09/07/2023
Beryllium		0.0010		**< 0.0010**	0.0002	0	0	-100	100	08/31/2023
Boron		0.0250		**< 0.0250**	0.0093	0	0	-100	100	08/31/2023
Cadmium		0.0010		**< 0.0010**	0.0001	0	0	-100	100	08/31/2023
Chromium		0.0015		**< 0.0015**	0.0007	0	0	-100	100	08/31/2023
Cobalt		0.0010		**< 0.0010**	0.0001	0	0	-100	100	08/31/2023
Copper		0.0010		**< 0.0010**	0.0003	0	0	-100	100	08/31/2023
Iron		0.0250		**< 0.0250**	0.0115	0	0	-100	100	08/31/2023
Lead		0.0010		**< 0.0010**	0.0006	0	0	-100	100	08/31/2023
Lithium	*	0.0030		**< 0.0030**	0.0015	0	0	-100	100	08/31/2023
Manganese		0.0020		**< 0.0020**	0.0008	0	0	-100	100	08/31/2023
Molybdenum	*	0.0015		**< 0.0015**	0.0006	0	0	-100	100	08/31/2023
Nickel		0.0010		**< 0.0010**	0.0004	0	0	-100	100	08/31/2023
Selenium		0.0010		**< 0.0010**	0.0006	0	0	-100	100	08/31/2023
Silver		0.0010		**< 0.0010**	0.0001	0	0	-100	100	08/31/2023
Thallium		0.0020		**< 0.0020**	0.0010	0	0	-100	100	08/31/2023
Vanadium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	08/31/2023
Zinc		0.0150		**< 0.0150**	0.0059	0	0	-100	100	09/07/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

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

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

Batch 210813 **SampType:** LCS Units **mg/L**
SampID: LCS-210813

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**1.99**	2.000	0	99.4	80	120	08/31/2023
Antimony		0.0010		**0.540**	0.5000	0	107.9	80	120	08/31/2023
Arsenic		0.0010		**0.513**	0.5000	0	102.5	80	120	08/31/2023
Barium		0.0010		**2.36**	2.000	0	117.8	80	120	09/07/2023
Beryllium		0.0010		**0.0498**	0.0500	0	99.7	80	120	08/31/2023
Boron		0.0250		**0.510**	0.5000	0	101.9	80	120	08/31/2023
Cadmium		0.0010		**0.0506**	0.0500	0	101.1	80	120	08/31/2023
Chromium		0.0015		**0.199**	0.2000	0	99.7	80	120	08/31/2023
Cobalt		0.0010		**0.495**	0.5000	0	99.1	80	120	08/31/2023
Copper		0.0010		**0.250**	0.2500	0	100.0	80	120	08/31/2023
Iron		0.0250		**1.98**	2.000	0	99.0	80	120	08/31/2023
Lead		0.0010		**0.508**	0.5000	0	101.6	80	120	08/31/2023
Lithium	*	0.0030		**0.519**	0.5000	0	103.9	80	120	08/31/2023
Manganese		0.0020		**0.493**	0.5000	0	98.6	80	120	08/31/2023
Molybdenum	*	0.0015		**0.482**	0.5000	0	96.5	80	120	08/31/2023
Nickel		0.0010		**0.497**	0.5000	0	99.4	80	120	08/31/2023
Selenium		0.0010		**0.467**	0.5000	0	93.5	80	120	08/31/2023
Silver		0.0010		**0.0563**	0.0500	0	112.6	80	120	08/31/2023
Thallium		0.0020		**0.247**	0.2500	0	98.8	80	120	08/31/2023
Vanadium		0.0050		**0.497**	0.5000	0	99.5	80	120	08/31/2023
Zinc		0.0150		**0.421**	0.5000	0	84.2	80	120	09/07/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

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

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

Batch 210813 **SampType:** MS Units **mg/L**

SampID: 23071810-082CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		**0.564**	0.5000	0	112.9	75	125	09/01/2023
Arsenic		0.0010		**0.531**	0.5000	0.002037	105.9	75	125	09/01/2023
Beryllium		0.0010		**0.0509**	0.0500	0.0003377	101.0	75	125	09/01/2023
Boron		0.0250		**0.655**	0.5000	0.1486	101.2	75	125	09/01/2023
Cadmium		0.0010		**0.0509**	0.0500	0	101.8	75	125	09/01/2023
Chromium		0.0015		**0.198**	0.2000	0	98.8	75	125	09/01/2023
Cobalt		0.0010		**0.486**	0.5000	0.003099	96.6	75	125	09/01/2023
Lead		0.0010		**0.556**	0.5000	0	111.1	75	125	09/08/2023
Lithium	*	0.0030		**0.535**	0.5000	0.009555	105.0	75	125	09/01/2023
Molybdenum	*	0.0015		**0.493**	0.5000	0	98.6	75	125	09/01/2023
Selenium		0.0010		**0.470**	0.5000	0	94.0	75	125	09/01/2023
Thallium		0.0020		**0.248**	0.2500	0	99.2	75	125	09/01/2023

Batch 210813 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 23071810-082CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		0.0010		**0.550**	0.5000	0	110.0	0.5643	2.57	09/01/2023
Arsenic		0.0010		**0.535**	0.5000	0.002037	106.6	0.5314	0.74	09/01/2023
Beryllium		0.0010		**0.0515**	0.0500	0.0003377	102.4	0.05086	1.30	09/01/2023
Boron		0.0250		**0.665**	0.5000	0.1486	103.3	0.6546	1.57	09/01/2023
Cadmium		0.0010		**0.0506**	0.0500	0	101.2	0.05088	0.51	09/01/2023
Chromium		0.0015		**0.201**	0.2000	0	100.7	0.1975	1.91	09/01/2023
Cobalt		0.0010		**0.497**	0.5000	0.003099	98.8	0.4863	2.24	09/01/2023
Lead		0.0010		**0.562**	0.5000	0	112.5	0.5557	1.21	09/08/2023
Lithium	*	0.0030		**0.534**	0.5000	0.009555	105.0	0.5346	0.04	09/01/2023
Molybdenum	*	0.0015		**0.499**	0.5000	0	99.7	0.4928	1.18	09/01/2023
Selenium		0.0010		**0.478**	0.5000	0	95.6	0.4700	1.66	09/01/2023
Thallium		0.0020		**0.251**	0.2500	0	100.3	0.2480	1.06	09/01/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

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

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

Batch 210813 **SampType:** MS Units **mg/L**

SampID: 23071810-083CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		**0.593**	0.5000	0	118.6	75	125	09/01/2023
Arsenic		0.0010		**0.519**	0.5000	0.0004430	103.6	75	125	09/01/2023
Beryllium		0.0010		**0.0544**	0.0500	0	108.7	75	125	09/01/2023
Boron		0.0250		**0.645**	0.5000	0.1544	98.1	75	125	09/01/2023
Cadmium		0.0010		**0.0540**	0.0500	0	107.9	75	125	09/01/2023
Chromium		0.0015		**0.200**	0.2000	0	99.8	75	125	09/01/2023
Cobalt		0.0010		**0.482**	0.5000	0.0005448	96.3	75	125	09/01/2023
Lead		0.0010		**0.554**	0.5000	0	110.8	75	125	09/08/2023
Lithium	*	0.0030		**0.556**	0.5000	0.01277	108.6	75	125	09/01/2023
Molybdenum	*	0.0015		**0.515**	0.5000	0.001624	102.6	75	125	09/01/2023
Selenium		0.0010		**0.465**	0.5000	0.001508	92.7	75	125	09/01/2023
Thallium		0.0020		**0.252**	0.2500	0.001437	100.2	75	125	09/01/2023

Batch 210813 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 23071810-083CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		0.0010		**0.624**	0.5000	0	124.8	0.5931	5.08	09/01/2023
Arsenic		0.0010		**0.557**	0.5000	0.0004430	111.3	0.5186	7.16	09/01/2023
Beryllium		0.0010		**0.0548**	0.0500	0	109.6	0.05435	0.81	09/01/2023
Boron		0.0250		**0.664**	0.5000	0.1544	101.8	0.6450	2.84	09/01/2023
Cadmium		0.0010		**0.0576**	0.0500	0	115.2	0.05396	6.54	09/01/2023
Chromium		0.0015		**0.206**	0.2000	0	103.0	0.1996	3.17	09/01/2023
Cobalt		0.0010		**0.510**	0.5000	0.0005448	102.0	0.4821	5.70	09/01/2023
Lead		0.0010		**0.559**	0.5000	0	111.8	0.5538	0.90	09/08/2023
Lithium	*	0.0030		**0.560**	0.5000	0.01277	109.5	0.5560	0.74	09/01/2023
Molybdenum	*	0.0015		**0.537**	0.5000	0.001624	107.2	0.5145	4.36	09/01/2023
Selenium		0.0010		**0.495**	0.5000	0.001508	98.6	0.4652	6.11	09/01/2023
Thallium		0.0020		**0.261**	0.2500	0.001437	103.8	0.2520	3.51	09/01/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

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

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

Batch 210826 **SampType:** MBLK Units **mg/L**

SampID: MBLK-210826

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**< 0.0250**	0.0125	0	0	-100	100	09/01/2023
Antimony		0.0010		**< 0.0010**	0.0004	0	0	-100	100	09/01/2023
Arsenic		0.0010		**< 0.0010**	0.0004	0	0	-100	100	09/01/2023
Barium		0.0010		**< 0.0010**	0.0007	0	0	-100	100	09/07/2023
Beryllium		0.0010		**< 0.0010**	0.0002	0	0	-100	100	09/01/2023
Boron		0.0250		**< 0.0250**	0.0093	0	0	-100	100	09/01/2023
Cadmium		0.0010		**< 0.0010**	0.0001	0	0	-100	100	09/01/2023
Chromium		0.0015		**< 0.0015**	0.0007	0	0	-100	100	09/01/2023
Copper		0.0010		**< 0.0010**	0.0003	0	0	-100	100	09/01/2023
Iron		0.0250		**< 0.0250**	0.0115	0	0	-100	100	09/01/2023
Lead		0.0010		**< 0.0010**	0.0006	0	0	-100	100	09/01/2023
Lead		0.0010		**< 0.0010**	0.0006	0	0	-100	100	09/07/2023
Lithium	*	0.0030		**< 0.0030**	0.0015	0	0	-100	100	09/01/2023
Manganese		0.0020		**< 0.0020**	0.0008	0	0	-100	100	09/01/2023
Molybdenum	*	0.0015		**< 0.0015**	0.0006	0	0	-100	100	09/01/2023
Selenium		0.0010		**< 0.0010**	0.0006	0	0	-100	100	09/01/2023
Thallium		0.0020		**< 0.0020**	0.0010	0	0	-100	100	09/01/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

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

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

Batch 210826 **SampType:** LCS Units **mg/L**

SampID: LCS-210826

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**2.07**	2.000	0	103.6	80	120	09/01/2023
Antimony		0.0010		**0.565**	0.5000	0	112.9	80	120	09/01/2023
Arsenic		0.0010		**0.549**	0.5000	0	109.8	80	120	09/01/2023
Barium		0.0010		**2.32**	2.000	0	116.1	80	120	09/08/2023
Beryllium		0.0010		**0.0524**	0.0500	0	104.8	80	120	09/01/2023
Boron		0.0250		**0.525**	0.5000	0	104.9	80	120	09/01/2023
Cadmium		0.0010		**0.0528**	0.0500	0	105.7	80	120	09/01/2023
Chromium		0.0015		**0.205**	0.2000	0	102.7	80	120	09/01/2023
Cobalt		0.0010		**0.511**	0.5000	0	102.1	80	120	09/01/2023
Iron		0.0250		**2.04**	2.000	0	102.0	80	120	09/01/2023
Lead		0.0010		**0.572**	0.5000	0	114.5	80	120	09/07/2023
Lithium	*	0.0030		**0.545**	0.5000	0	109.0	80	120	09/01/2023
Manganese		0.0020		**0.522**	0.5000	0	104.3	80	120	09/01/2023
Molybdenum	*	0.0015		**0.510**	0.5000	0	102.0	80	120	09/01/2023
Selenium		0.0010		**0.497**	0.5000	0	99.4	80	120	09/01/2023
Thallium		0.0020		**0.250**	0.2500	0	100.1	80	120	09/01/2023

Batch 210826 **SampType:** MS Units **mg/L**

SampID: 23071810-105CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**2.18**	2.000	0.1244	102.7	75	125	09/01/2023
Antimony		0.0010		**0.544**	0.5000	0	108.7	75	125	09/01/2023
Arsenic		0.0010		**0.531**	0.5000	0.002203	105.8	75	125	09/01/2023
Barium		0.0010		**2.39**	2.000	0.1183	113.5	75	125	09/08/2023
Beryllium		0.0010		**0.0527**	0.0500	0	105.4	75	125	09/01/2023
Boron		0.0250		**2.48**	0.5000	1.917	111.9	75	125	09/01/2023
Cadmium		0.0010		**0.0508**	0.0500	0	101.5	75	125	09/01/2023
Chromium		0.0015		**0.202**	0.2000	0	101.2	75	125	09/01/2023
Cobalt		0.0010		**0.504**	0.5000	0.0001336	100.7	75	125	09/01/2023
Iron		0.0250		**3.28**	2.000	1.210	103.7	75	125	09/01/2023
Lead		0.0010		**0.575**	0.5000	0	115.0	75	125	09/07/2023
Lithium	*	0.0030		**0.587**	0.5000	0.05368	106.7	75	125	09/01/2023
Manganese		0.0020		**0.592**	0.5000	0.09027	100.4	75	125	09/01/2023
Molybdenum	*	0.0015		**0.517**	0.5000	0.02080	99.3	75	125	09/01/2023
Selenium		0.0010		**0.477**	0.5000	0	95.4	75	125	09/01/2023
Thallium		0.0020		**0.252**	0.2500	0	100.9	75	125	09/01/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

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

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

Batch **210826** **SampType:** **MSD** Units **mg/L** RPD Limit **20**

SampID: 23071810-105CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		0.0250		**2.13**	2.000	0.1244	100.1	2.178	2.44	09/01/2023
Antimony		0.0010		**0.549**	0.5000	0	109.9	0.5436	1.05	09/01/2023
Arsenic		0.0010		**0.525**	0.5000	0.002203	104.6	0.5313	1.15	09/01/2023
Barium		0.0010		**2.43**	2.000	0.1183	115.7	2.388	1.84	09/08/2023
Beryllium		0.0010		**0.0501**	0.0500	0	100.2	0.05272	5.10	09/01/2023
Boron		0.0250		**2.42**	0.5000	1.917	99.6	2.477	2.52	09/01/2023
Cadmium		0.0010		**0.0513**	0.0500	0	102.6	0.05076	1.02	09/01/2023
Chromium		0.0015		**0.198**	0.2000	0	99.2	0.2025	2.08	09/01/2023
Cobalt		0.0010		**0.492**	0.5000	0.0001336	98.4	0.5036	2.26	09/01/2023
Iron		0.0250		**3.16**	2.000	1.210	97.7	3.284	3.70	09/01/2023
Lead		0.0010		**0.557**	0.5000	0	111.5	0.5750	3.12	09/07/2023
Lithium	*	0.0030		**0.583**	0.5000	0.05368	105.8	0.5874	0.82	09/01/2023
Manganese		0.0020		**0.581**	0.5000	0.09027	98.2	0.5921	1.88	09/01/2023
Molybdenum	*	0.0015		**0.520**	0.5000	0.02080	99.9	0.5172	0.55	09/01/2023
Selenium		0.0010		**0.470**	0.5000	0	94.0	0.4770	1.50	09/01/2023
Thallium		0.0020		**0.254**	0.2500	0	101.7	0.2522	0.86	09/01/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

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

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

Batch 210901 **SampType:** MBLK Units **mg/L**

SampID: MBLK-210901

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**< 0.0250**	0.0125	0	0	-100	100	09/01/2023
Antimony		0.0010		**< 0.0010**	0.0004	0	0	-100	100	09/01/2023
Arsenic		0.0010		**< 0.0010**	0.0004	0	0	-100	100	09/01/2023
Barium		0.0010		**< 0.0010**	0.0007	0	0	-100	100	09/07/2023
Beryllium		0.0010		**< 0.0010**	0.0002	0	0	-100	100	09/01/2023
Boron		0.0250		**< 0.0250**	0.0093	0	0	-100	100	09/01/2023
Cadmium		0.0010		**< 0.0010**	0.0001	0	0	-100	100	09/01/2023
Chromium		0.0015		**< 0.0015**	0.0007	0	0	-100	100	09/01/2023
Cobalt		0.0010		**< 0.0010**	0.0001	0	0	-100	100	09/01/2023
Copper		0.0010		**< 0.0010**	0.0003	0	0	-100	100	09/01/2023
Iron		0.0250		**< 0.0250**	0.0115	0	0	-100	100	09/01/2023
Lead		0.0010		**< 0.0010**	0.0006	0	0	-100	100	09/07/2023
Lithium	*	0.0030		**< 0.0030**	0.0015	0	0	-100	100	09/01/2023
Manganese		0.0020	S	**0.0124**	0.0008	0	1659	-100	100	09/01/2023
Molybdenum	*	0.0015		**< 0.0015**	0.0006	0	0	-100	100	09/01/2023
Nickel		0.0010		**< 0.0010**	0.0004	0	0	-100	100	09/01/2023
Selenium		0.0010		**< 0.0010**	0.0006	0	0	-100	100	09/01/2023
Silver		0.0010		**< 0.0010**	0.0001	0	0	-100	100	09/01/2023
Thallium		0.0020		**< 0.0020**	0.0010	0	0	-100	100	09/01/2023
Vanadium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	09/01/2023
Zinc		0.0150		**< 0.0150**	0.0059	0	0	-100	100	09/01/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

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

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

Batch 210901 **SampType:** LCS Units **mg/L**
SampID: LCS-210901

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**2.10**	2.000	0	105.1	80	120	09/01/2023
Antimony		0.0010		**0.563**	0.5000	0	112.6	80	120	09/01/2023
Arsenic		0.0010		**0.522**	0.5000	0	104.3	80	120	09/01/2023
Barium		0.0010		**2.19**	2.000	0	109.6	80	120	09/08/2023
Beryllium		0.0010		**0.0522**	0.0500	0	104.4	80	120	09/01/2023
Boron		0.0250		**0.520**	0.5000	0	103.9	80	120	09/01/2023
Cadmium		0.0010		**0.0521**	0.0500	0	104.3	80	120	09/01/2023
Chromium		0.0015		**0.202**	0.2000	0	101.2	80	120	09/01/2023
Cobalt		0.0010		**0.501**	0.5000	0	100.2	80	120	09/01/2023
Copper		0.0010		**0.245**	0.2500	0	98.0	80	120	09/01/2023
Iron		0.0250		**2.00**	2.000	0	100.0	80	120	09/01/2023
Lead		0.0010		**0.514**	0.5000	0	102.8	80	120	09/07/2023
Lithium	*	0.0030		**0.540**	0.5000	0	108.0	80	120	09/01/2023
Manganese		0.0020	B	**0.504**	0.5000	0	100.9	80	120	09/01/2023
Manganese		0.0020	B	**0.519**	0.5000	0	103.8	80	120	09/08/2023
Molybdenum	*	0.0015		**0.485**	0.5000	0	97.0	80	120	09/01/2023
Nickel		0.0010		**0.497**	0.5000	0	99.5	80	120	09/01/2023
Selenium		0.0010		**0.468**	0.5000	0	93.5	80	120	09/01/2023
Silver		0.0010		**0.0561**	0.0500	0	112.1	80	120	09/01/2023
Thallium		0.0020		**0.251**	0.2500	0	100.3	80	120	09/01/2023
Vanadium		0.0050		**0.513**	0.5000	0	102.7	80	120	09/01/2023
Zinc		0.0150		**0.505**	0.5000	0	101.0	80	120	09/01/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

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

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

Batch 210901 **SampType:** MS Units **mg/L**
SampID: 23071810-028CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**2.13**	2.000	0.01360	105.7	75	125	09/01/2023
Antimony		0.0010		**0.558**	0.5000	0	111.5	75	125	09/01/2023
Arsenic		0.0010		**0.533**	0.5000	0	106.7	75	125	09/01/2023
Beryllium		0.0010		**0.0540**	0.0500	0	107.9	75	125	09/01/2023
Boron		0.0250		**0.552**	0.5000	0.01171	108.0	75	125	09/01/2023
Cadmium		0.0010		**0.0519**	0.0500	0	103.7	75	125	09/01/2023
Chromium		0.0015		**0.205**	0.2000	0.0008107	102.2	75	125	09/01/2023
Cobalt		0.0010		**0.513**	0.5000	0	102.7	75	125	09/01/2023
Copper		0.0010		**0.250**	0.2500	0.001259	99.5	75	125	09/01/2023
Iron		0.0250		**2.08**	2.000	0.04023	101.9	75	125	09/01/2023
Lead		0.0010		**0.539**	0.5000	0	107.8	75	125	09/07/2023
Molybdenum	*	0.0015		**0.511**	0.5000	0.0007056	102.1	75	125	09/01/2023
Nickel		0.0010		**0.507**	0.5000	0.0004437	101.3	75	125	09/01/2023
Selenium		0.0010		**0.482**	0.5000	0.002385	95.9	75	125	09/01/2023
Silver		0.0010		**0.0570**	0.0500	0	113.9	75	125	09/01/2023
Thallium		0.0020		**0.253**	0.2500	0	101.2	75	125	09/01/2023
Vanadium		0.0050		**0.515**	0.5000	0	103.0	75	125	09/01/2023
Zinc		0.0150		**0.519**	0.5000	0	103.8	75	125	09/01/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

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

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

Batch 210901 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 23071810-028CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		0.0250		**2.07**	2.000	0.01360	103.0	2.127	2.49	09/01/2023
Antimony		0.0010		**0.552**	0.5000	0	110.3	0.5576	1.07	09/01/2023
Arsenic		0.0010		**0.525**	0.5000	0	105.0	0.5333	1.59	09/01/2023
Beryllium		0.0010		**0.0527**	0.0500	0	105.4	0.05397	2.37	09/01/2023
Boron		0.0250		**0.536**	0.5000	0.01171	104.9	0.5515	2.81	09/01/2023
Cadmium		0.0010		**0.0519**	0.0500	0	103.8	0.05187	0.06	09/01/2023
Chromium		0.0015		**0.201**	0.2000	0.0008107	100.3	0.2051	1.86	09/01/2023
Cobalt		0.0010		**0.503**	0.5000	0	100.6	0.5133	2.02	09/01/2023
Copper		0.0010		**0.245**	0.2500	0.001259	97.3	0.2499	2.14	09/01/2023
Iron		0.0250		**2.06**	2.000	0.04023	101.1	2.079	0.79	09/01/2023
Lead		0.0010		**0.537**	0.5000	0	107.3	0.5391	0.45	09/07/2023
Molybdenum	*	0.0015		**0.495**	0.5000	0.0007056	98.9	0.5110	3.14	09/01/2023
Nickel		0.0010		**0.489**	0.5000	0.0004437	97.8	0.5070	3.54	09/01/2023
Selenium		0.0010		**0.478**	0.5000	0.002385	95.1	0.4820	0.84	09/01/2023
Silver		0.0010		**0.0562**	0.0500	0	112.4	0.05697	1.38	09/01/2023
Thallium		0.0020		**0.255**	0.2500	0	102.1	0.2530	0.86	09/01/2023
Vanadium		0.0050		**0.512**	0.5000	0	102.4	0.5150	0.59	09/01/2023
Zinc		0.0150		**0.518**	0.5000	0	103.5	0.5192	0.29	09/01/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

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

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

Batch 210926 **SampType:** MBLK Units **mg/L**

SampID: MBLK-210926

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**< 0.0250**	0.0125	0	0	-100	100	09/10/2023
Antimony		0.0010		**< 0.0010**	0.0008	0	0	-100	100	08/30/2023
Arsenic		0.0010		**< 0.0010**	0.0004	0	0	-100	100	09/10/2023
Barium		0.0010		**< 0.0010**	0.0007	0	0	-100	100	09/10/2023
Beryllium		0.0010		**< 0.0010**	0.0002	0	0	-100	100	09/10/2023
Boron		0.0250		**< 0.0250**	0.0093	0	0	-100	100	09/10/2023
Cadmium		0.0010		**< 0.0010**	0.0001	0	0	-100	100	09/10/2023
Chromium		0.0015		**< 0.0015**	0.0007	0	0	-100	100	09/10/2023
Cobalt		0.0010		**< 0.0010**	0.0001	0	0	-100	100	08/30/2023
Iron		0.0250		**< 0.0250**	0.0115	0	0	-100	100	09/10/2023
Lead		0.0010		**< 0.0010**	0.0006	0	0	-100	100	09/10/2023
Lithium	*	0.0030		**< 0.0030**	0.0015	0	0	-100	100	08/30/2023
Manganese		0.0020		**< 0.0020**	0.0008	0	0	-100	100	09/10/2023
Molybdenum	*	0.0015		**< 0.0015**	0.0006	0	0	-100	100	09/11/2023
Selenium		0.0010		**< 0.0010**	0.0006	0	0	-100	100	08/30/2023
Thallium		0.0020		**< 0.0020**	0.0010	0	0	-100	100	08/30/2023
Vanadium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	08/30/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

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

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

Batch 210926 **SampType:** LCS Units **mg/L**

SampID: LCS-210926

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**1.90**	2.000	0	95.2	80	120	09/13/2023
Antimony		0.0010		**0.502**	0.5000	0	100.3	80	120	08/30/2023
Arsenic		0.0010		**0.554**	0.5000	0	110.9	80	120	09/13/2023
Barium		0.0010		**2.24**	2.000	0	112.1	80	120	09/13/2023
Beryllium		0.0010		**0.0468**	0.0500	0	93.6	80	120	09/13/2023
Boron		0.0250		**0.595**	0.5000	0	119.0	80	120	09/10/2023
Cadmium		0.0010		**0.0517**	0.0500	0	103.4	80	120	09/13/2023
Chromium		0.0015		**0.216**	0.2000	0	107.8	80	120	09/13/2023
Cobalt		0.0010		**0.568**	0.5000	0	113.5	80	120	08/30/2023
Iron		0.0250		**2.17**	2.000	0	108.5	80	120	09/13/2023
Lithium	*	0.0030		**0.505**	0.5000	0	101.1	80	120	08/31/2023
Manganese		0.0020		**0.555**	0.5000	0	111.0	80	120	09/13/2023
Molybdenum	*	0.0015		**0.517**	0.5000	0	103.3	80	120	09/13/2023
Selenium		0.0010		**0.480**	0.5000	0	96.0	80	120	08/30/2023
Thallium		0.0020		**0.255**	0.2500	0	102.0	80	120	08/30/2023
Vanadium		0.0050		**0.500**	0.5000	0	100.0	80	120	08/30/2023

Batch 210926 **SampType:** MS Units **mg/L**

SampID: 23071810-052CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**1.98**	2.000	0.04995	96.4	75	125	09/13/2023
Antimony		0.0010		**0.502**	0.5000	0	100.5	75	125	08/30/2023
Arsenic		0.0010		**0.555**	0.5000	0	110.9	75	125	09/13/2023
Barium		0.0010		**2.41**	2.000	0.1742	111.8	75	125	09/13/2023
Beryllium		0.0010		**0.0508**	0.0500	0	101.5	75	125	09/13/2023
Boron		0.0250		**0.577**	0.5000	0.05451	104.4	75	125	09/11/2023
Cadmium		0.0010		**0.0506**	0.0500	0	101.3	75	125	09/13/2023
Chromium		0.0015		**0.210**	0.2000	0	105.1	75	125	09/13/2023
Cobalt		0.0010		**0.472**	0.5000	0	94.5	75	125	08/30/2023
Iron		0.0250		**4.77**	2.000	2.658	105.5	75	125	09/13/2023
Lead		0.0010		**0.535**	0.5000	0	106.9	75	125	09/13/2023
Lithium	*	0.0030		**0.547**	0.5000	0.01019	107.4	75	125	08/31/2023
Manganese		0.0020		**0.752**	0.5000	0.1774	114.9	75	125	09/13/2023
Molybdenum	*	0.0015		**0.526**	0.5000	0.001671	104.8	75	125	09/13/2023
Selenium		0.0010		**0.456**	0.5000	0	91.3	75	125	08/30/2023
Thallium		0.0020		**0.253**	0.2500	0	101.1	75	125	08/30/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

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

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

Batch 210926 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 23071810-052CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		0.0250		**1.99**	2.000	0.04995	96.8	1.978	0.40	09/13/2023
Antimony		0.0010		**0.522**	0.5000	0	104.4	0.5024	3.88	08/30/2023
Arsenic		0.0010		**0.569**	0.5000	0	113.8	0.5547	2.55	09/13/2023
Barium		0.0010		**2.39**	2.000	0.1742	110.9	2.410	0.69	09/13/2023
Beryllium		0.0010		**0.0503**	0.0500	0	100.5	0.05076	0.97	09/13/2023
Boron		0.0250		**0.574**	0.5000	0.05451	103.8	0.5767	0.55	09/11/2023
Cadmium		0.0010		**0.0499**	0.0500	0	99.8	0.05065	1.45	09/13/2023
Chromium		0.0015		**0.216**	0.2000	0	108.1	0.2102	2.79	09/13/2023
Cobalt		0.0010		**0.494**	0.5000	0	98.9	0.4724	4.56	08/30/2023
Iron		0.0250		**4.88**	2.000	2.658	111.2	4.768	2.37	09/13/2023
Lead		0.0010		**0.546**	0.5000	0	109.1	0.5345	2.04	09/13/2023
Lithium	*	0.0030		**0.528**	0.5000	0.01019	103.5	0.5474	3.65	08/31/2023
Manganese		0.0020		**0.770**	0.5000	0.1774	118.5	0.7517	2.36	09/13/2023
Molybdenum	*	0.0015		**0.524**	0.5000	0.001671	104.6	0.5257	0.25	09/13/2023
Selenium		0.0010		**0.480**	0.5000	0	96.1	0.4563	5.14	08/30/2023
Thallium		0.0020		**0.262**	0.2500	0	104.7	0.2527	3.47	08/30/2023

Batch 211078 **SampType:** MBLK Units **mg/L**

SampID: MBLK-211078

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0010		**< 0.0010**	0.0004	0	0	-100	100	09/02/2023
Barium		0.0010		**< 0.0010**	0.0007	0	0	-100	100	09/08/2023
Manganese		0.0020		**< 0.0020**	0.0008	0	0	-100	100	09/08/2023
Selenium		0.0010		**< 0.0010**	0.0006	0	0	-100	100	09/05/2023

Batch 211078 **SampType:** LCS Units **mg/L**

SampID: LCS-211078

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0010		**0.543**	0.5000	0	108.7	85	115	09/02/2023
Barium		0.0010		**2.15**	2.000	0	107.7	80	120	09/08/2023
Manganese		0.0020		**0.520**	0.5000	0	104.0	80	120	09/08/2023
Selenium		0.0010		**0.529**	0.5000	0	105.9	85	115	09/05/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 211078 **SampType:** LCSD Units **mg/L** RPD Limit **20**

SampID: LCSD-211078

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		0.0010		**0.514**	0.5000	0	102.9	0.5433	5.47	09/02/2023
Barium		0.0010		**2.16**	2.000	0	107.8	2.154	0.06	09/08/2023
Manganese		0.0020		**0.515**	0.5000	0	103.0	0.5201	1.04	09/08/2023
Selenium		0.0010		**0.513**	0.5000	0	102.5	0.5144	0.33	09/05/2023

Batch 211078 **SampType:** MS Units **mg/L**

SampID: 23071810-042CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Barium		0.0010		**2.22**	2.000	0.03473	109.1	75	125	09/08/2023
Manganese		0.0020		**0.622**	0.5000	0.1112	102.2	75	125	09/08/2023

Batch 211078 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 23071810-042CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Barium		0.0010		**2.14**	2.000	0.03473	105.3	2.216	3.49	09/08/2023
Manganese		0.0020		**0.606**	0.5000	0.1112	98.9	0.6221	2.66	09/08/2023

Batch 211843 **SampType:** MBLK Units **mg/L**

SampID: MBLK-211843

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		**< 0.0010**	0.0004	0	0	-100	100	09/18/2023
Barium		0.0010		**< 0.0010**	0.0007	0	0	-100	100	09/15/2023
Copper		0.0010		**< 0.0010**	0.0003	0	0	-100	100	09/15/2023
Manganese		0.0020		**< 0.0020**	0.0008	0	0	-100	100	09/15/2023
Thallium		0.0020		**< 0.0020**	0.0010	0	0	-100	100	09/15/2023

Batch 211843 **SampType:** LCS Units **mg/L**

SampID: LCS-211843

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		**0.516**	0.5000	0	103.3	80	120	09/18/2023
Barium		0.0010		**2.27**	2.000	0	113.4	80	120	09/15/2023
Copper		0.0010		**0.263**	0.2500	0	105.2	80	120	09/15/2023
Manganese		0.0020		**0.543**	0.5000	0	108.7	80	120	09/15/2023
Thallium		0.0020		**0.257**	0.2500	0	102.8	80	120	09/15/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 211843 **SampType:** MS Units **mg/L**
SampID: 23071810-078CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Manganese		0.0080	S	**4.95**	1.000	5.423	-47.4	75	125	09/18/2023

Batch 211843 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 23071810-078CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Manganese		0.0080	S	**5.10**	1.000	5.423	-32.7	4.948	2.92	09/18/2023

Batch 211843 **SampType:** MS Units **mg/L**
SampID: 23071810-082CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Barium		0.0010	S	**5.38**	4.000	0.2086	129.3	75	125	09/15/2023

Batch 211843 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 23071810-082CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Barium		0.0010	S	**5.56**	4.000	0.2086	133.9	5.379	3.38	09/15/2023

Batch 211843 **SampType:** MS Units **mg/L**
SampID: 23071810-083CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Barium		0.0010	S	**5.23**	4.000	0.03066	130.0	75	125	09/15/2023

Batch 211843 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 23071810-083CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Barium		0.0010	S	**5.37**	4.000	0.03066	133.5	5.231	2.63	09/15/2023

Batch 211883 **SampType:** MBLK Units **mg/L**
SampID: MBLK-211883

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Copper		0.0010		**< 0.0010**	0.0003	0	0	-100	100	09/15/2023

Batch 211883 **SampType:** LCS Units **mg/L**
SampID: LCS-211883

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Copper		0.0010		**0.275**	0.2500	0	109.9	80	120	09/15/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 212184 **SampType:** MBLK Units **mg/L**
SampID: MBLK-212184

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0010		**< 0.0010**	0.0004	0	0	-100	100	09/20/2023
Iron	*	0.0250		**< 0.0250**	0.0115	0	0	-100	100	09/20/2023
Selenium		0.0010		**< 0.0010**	0.0006	0	0	-100	100	09/20/2023

Batch 212184 **SampType:** LCS Units **mg/L**
SampID: LCS-212184

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0010		**0.515**	0.5000	0	103.1	85	115	09/20/2023
Iron	*	0.0250		**2.14**	2.000	0	106.9	85	115	09/20/2023
Selenium		0.0010		**0.455**	0.5000	0	91.0	85	115	09/20/2023

Batch 212184 **SampType:** MS Units **mg/L**
SampID: 23071810-114BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Iron		0.0250		**2.34**	2.000	0.3837	97.6	75	125	09/20/2023

Batch 212184 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 23071810-114BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Iron		0.0250		**2.31**	2.000	0.3837	96.2	2.335	1.17	09/20/2023

SW-846 7470A (DISSOLVED)

Batch 210710 **SampType:** MS Units **mg/L**
SampID: 23071810-004DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00516**	0.0050	0	103.2	75	125	08/14/2023

Batch 210710 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23071810-004DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00512**	0.0050	0	102.3	0.005162	0.88	08/14/2023

Batch 210850 **SampType:** MS Units **mg/L**
SampID: 23071810-011CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00514**	0.0050	0	102.7	75	125	08/15/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

SW-846 7470A (DISSOLVED)

Batch 210850 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23071810-011CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00495**	0.0050	0	99.0	0.005137	3.67	08/15/2023

Batch 210850 **SampType:** MS Units **mg/L**
SampID: 23071810-021CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00515**	0.0050	0	103.0	75	125	08/15/2023

Batch 210850 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23071810-021CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00536**	0.0050	0	107.3	0.005148	4.10	08/15/2023

Batch 211199 **SampType:** MS Units **mg/L**
SampID: 23071810-050DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00575**	0.0050	0.0003389	108.2	75	125	08/23/2023

Batch 211199 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23071810-050DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00564**	0.0050	0.0003389	106.1	0.005749	1.86	08/23/2023

SW-846 7470A (TOTAL)

Batch 210705 **SampType:** MBLK Units **mg/L**
SampID: MBLK-210705

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**< 0.00020**	0.0001	0	0	-100	100	08/11/2023

Batch 210705 **SampType:** LCS Units **mg/L**
SampID: LCS-210705

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00540**	0.0050	0	108.0	85	115	08/11/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

SW-846 7470A (TOTAL)

Batch 210705 **SampType:** MS Units **mg/L**
SampID: 23071810-002CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00556**	0.0050	0	111.3	75	125	08/11/2023

Batch 210705 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23071810-002CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00571**	0.0050	0	114.2	0.005563	2.63	08/11/2023

Batch 210710 **SampType:** MBLK Units **mg/L**
SampID: MBLK-210710

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**< 0.00020**	0.0001	0	0	-100	100	08/14/2023

Batch 210710 **SampType:** LCS Units **mg/L**
SampID: LCS-210710

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00513**	0.0050	0	102.6	85	115	08/14/2023

Batch 210850 **SampType:** MBLK Units **mg/L**
SampID: MBLK-210850

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**< 0.00020**	0.0001	0	0	-100	100	08/15/2023

Batch 210850 **SampType:** LCS Units **mg/L**
SampID: LCS-210850

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00491**	0.0050	0	98.2	85	115	08/15/2023

Batch 210851 **SampType:** MBLK Units **mg/L**
SampID: MBLK-210851

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**< 0.00020**	0.0001	0	0	-100	100	08/15/2023

Batch 210851 **SampType:** LCS Units **mg/L**
SampID: LCS-210851

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00503**	0.0050	0	100.7	85	115	08/15/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

SW-846 7470A (TOTAL)

Batch 210851 **SampType:** MS Units **mg/L**
SampID: 23071810-034CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00530**	0.0050	0	105.9	75	125	08/15/2023

Batch 210851 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23071810-034CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00508**	0.0050	0	101.6	0.005297	4.21	08/15/2023

Batch 210851 **SampType:** MS Units **mg/L**
SampID: 23071810-060CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00481**	0.0050	0	96.2	75	125	08/15/2023

Batch 210851 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23071810-060CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00465**	0.0050	0	93.0	0.004810	3.41	08/15/2023

Batch 210857 **SampType:** MBLK Units **mg/L**
SampID: MBLK-210857

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**< 0.00020**	0.0001	0	0	-100	100	08/15/2023

Batch 210857 **SampType:** LCS Units **mg/L**
SampID: LCS-210857

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00477**	0.0050	0	95.4	85	115	08/15/2023

Batch 210857 **SampType:** MS Units **mg/L**
SampID: 23071810-070CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00487**	0.0050	0	97.4	75	125	08/15/2023

Batch 210857 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23071810-070CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00489**	0.0050	0	97.8	0.004871	0.43	08/15/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

SW-846 7470A (TOTAL)

Batch 210857 **SampType:** MS Units **mg/L**
SampID: 23071810-082CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00795**	0.0100	0	79.5	75	125	08/15/2023

Batch 210857 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23071810-082CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00810**	0.0100	0	81.0	0.007945	1.87	08/15/2023

Batch 210858 **SampType:** MBLK Units **mg/L**
SampID: MBLK-210858

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**< 0.00020**	0.0001	0	0	-100	100	08/15/2023

Batch 210858 **SampType:** LCS Units **mg/L**
SampID: LCS-210858

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00507**	0.0050	0	101.3	85	115	08/15/2023

Batch 210858 **SampType:** MS Units **mg/L**
SampID: 23071810-108CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00498**	0.0050	0	99.7	75	125	08/15/2023

Batch 210858 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23071810-108CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00524**	0.0050	0	104.8	0.004983	5.01	08/15/2023

Batch 210923 **SampType:** MBLK Units **mg/L**
SampID: MBLK-210923

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**< 0.00020**	0.0001	0	0	-100	100	08/16/2023

Batch 210923 **SampType:** LCS Units **mg/L**
SampID: LCS-210923

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00544**	0.0050	0	108.8	85	115	08/16/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

SW-846 7470A (TOTAL)

Batch 210923 **SampType:** MS Units **mg/L**
SampID: 23071810-029CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00560**	0.0050	0	112.0	75	125	08/16/2023

Batch 210923 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23071810-029CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00558**	0.0050	0	111.6	0.005601	0.33	08/16/2023

Batch 210923 **SampType:** MS Units **mg/L**
SampID: 23071810-040CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00593**	0.0050	0	118.6	75	125	08/16/2023

Batch 210923 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23071810-040CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00578**	0.0050	0	115.7	0.005929	2.50	08/16/2023

Batch 211199 **SampType:** MBLK Units **mg/L**
SampID: MBLK-211199

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**< 0.00020**	0.0001	0	0	-100	100	08/23/2023

Batch 211199 **SampType:** LCS Units **mg/L**
SampID: LCS-211199

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00443**	0.0050	0	88.6	85	115	08/23/2023

Batch 211205 **SampType:** MBLK Units **mg/L**
SampID: MBLK-211205

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**< 0.00020**	0.0001	0	0	-100	100	08/25/2023

Batch 211205 **SampType:** LCS Units **mg/L**
SampID: LCS-211205

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00571**	0.0050	0	114.2	85	115	08/23/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

SW-846 7470A (TOTAL)

Batch 211312 **SampType:** MBLK Units **mg/L**
SampID: MBLK-211312

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**< 0.00020**	0.0001	0	0	-100	100	08/26/2023

Batch 211312 **SampType:** LCS Units **mg/L**
SampID: LCS-211312

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00458**	0.0050	0	91.5	85	115	08/25/2023

Batch 211312 **SampType:** MS Units **mg/L**
SampID: 23071810-094CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020	S	**0.00227**	0.0100	0	22.7	75	125	08/25/2023

Batch 211312 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23071810-094CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020	SR	**0.00054**	0.0100	0	5.4	0.002273	123.78	08/25/2023

Teklab, Inc.
Environmental Laboratory

Receiving Check List

Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

Carrier: Justin Colp
Received By: ANC

Completed by: Amber Dilallo
On: 10-Aug-23

Reviewed by: Ellie Hopkins
On: 15-Aug-23

Pages to follow: Chain of custody 24 Extra pages included 0

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C 3.4
Type of thermal preservation?	None ☐	Ice ☑	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Reported field parameters measured:	Field ☑	Lab ☐	NA ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐		

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water – at least one vial per sample has zero headspace?	Yes ☐	No ☐	No VOA vials ☑
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☑	NA ☐
NPDES/CWA TCN interferences checked/treated in the field?	Yes ☐	No ☐	NA ☑

Any No responses must be detailed below or on the COC.

pH strip #90719. - amberdilallo - 8/10/2023 10:45:53 AM
Additional Nitric Acid (92447) was needed upon arrival at the laboratory for G111 (Dissolved) and G303 (Total and Dissolved). - amberdilallo - 8/10/2023 10:46:03 AM
pH strip #79929/90719. - amberdilallo - 8/11/2023 9:37:32 AM
Additional Sulfuric Acid (90128) was needed upon arrival at the laboratory for G106 and R104. Additional Sodium Hydroxide (81662) was needed upon arrival at the laboratory for G153 and G154. Additional Nitric Acid (92447) was needed upon arrival at the laboratory for G154 (Total and Dissolved). - amberdilallo - 8/11/2023 9:38:34 AM
Samples collected on 8/10/23 were delivered to the laboratory on 8/10/23 at 1730 (on ice 2.6C - LTG5). AMD/ERH 8/10/23
Samples collected on 8/11/213 were delivered to the laboratory on 8/11/23 at 1427 (on ice 10.2C - LTG5). LM/ERH 8/10/23
Samples collected on 8/14/213 were delivered to the laboratory on 8/14/23 at 1810 (on ice 5.8C - LTG5). ANC/ERH 8/15/23
Additional Nitric Acid (92447) was needed upon arrival at the laboratory for X201. Additional Sulfuric Acid (90128) was needed upon arrival at the laboratory for X201. - amberdilallo - 8/15/2023 3:48:32 PM
X201 filtered and preserved with Nitric Acid (92447), Sulfuric Acid (90128) and left unpreserved for the dissolved parameters upon arrival at the laboratory. - amberdilallo - 8/15/2023 3:48:33 PM
pH strip #90719. - amberdilallo - 8/15/2023 3:48:35 PM
Samples collected on 8/15/213 were delivered to the laboratory on 8/15/23 at 1518 (on ice 12.4C - LTG1). TM/ERH 8/10/23
pH strip #90719. - amberdilallo - 9/19/2023 3:51:31 PM
Samples collected on 9/19/23 were delivered to the laboratory on 9/19/23 at 1312 (on ice 9.4C - LTG1). AMD/ERH 9/19/23

COF-257-105

23071810

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 7

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp	Report To: Brian Voelker	Attention: Jason Stuckey
Address: 13498 E. 900th St	Copy To: Jason Stuckey	Company Name: Vistra Corp
		Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information — SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G101			8-9-23	1451		5	2	1	1		1										✓									23071810-001
2	G102			8-9-23	1507		7	2	2	2		1									✓	✓			✓			✓			002
3	G103						7	2	2	2		1										✓			✓			✓			003
4	G105						7	2	2	2		1										✓			✓			✓			004
5	G106						7	2	2	2		1									✓	✓			✓			✓			005
6	G107						5	2	1	1		1										✓									006
7	G108			8-9-23	0948		5	2	1	1		1										✓									007
8	G109				1010		5	2	1	1		1										✓									008
9	G110				1028		5	2	1	1		1									✓	✓									009
10	G111				1047		5	2	1	1		1										✓									010
11	G119				1132		5	2	1	1		1										✓									011
12	G120				1149		6	2	1	2		1									✓	✓									012
13	G121				1219		5	2	1	1		1										✓									013
14	G122				1237		5	2	1	1		1										✓									014
15	G123				1257		5	2	1	1		1										✓									015
16	G124			↓	1313		5	2	1	1		1										✓									016

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-23Q3 Rev 0	J. Colp	8-9	1752	Allison Colin	8/9	1752	3.4 Y N
						1745	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 8-7-23

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

Added HNO3 to G111 (D) & G303 (T&D) (92447)

pH ✓ 90719 JM 8/10/23

230718Z0

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	Report To: Brian Voelker	Attention: Jason Stuckey
Address: 13498 E. 900th St	Copy To: Jason Stuckey	Company Name: Vistra Corp
		Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N: Analysis Test ↓	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G125			8-9-23	1357		6	2	1	2	1									✓	✓										23071810-017
2	G126			8-9-23	1401		5	2	1	1	1										✓										018
3	G151						4	2		1	1																		✓			019
4	G152						4	2		1	1																		✓			020
5	G153						4	2		1	1																		✓			021
6	G154						5	2		2	1																✓		✓			022
7	G155						4	2		1	1																		✓			023
8	G200						7	2	2	2	1								✓		✓				✓		✓		✓			024
9	G206						7	2	2	2	1								✓						✓		✓					025
10	G206D						6	2	2	2									✓						✓							026
11	G207						6	2	1	2	1														✓			✓				027
12	G208						6	2	1	2	1														✓			✓				028
13	G209						7	2	2	2	1								✓						✓		✓	✓				029
14	G210						6	2	1	2	1														✓			✓				030
15	G211						6	2	1	2	1														✓			✓				031
16	G212						7	2	2	2	1								✓						✓		✓	✓				032

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
COF-23Q3 Rev 0	J. Cobb	8-9	1752	Allison Cobb	8/9	1752		Y	N	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Cobb

SIGNATURE of SAMPLER: Justin Cobb

DATE Signed (MM/DD/YY): 8-9-23

COF-257-105

230 7181D

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp	Report To: Brian Voelker	Attention: Jason Stuckey
Address: 13498 E. 900th St	Copy To: Jason Stuckey	Company Name: Vistra Corp
		Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test ↓ Y/N	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
								Requested Analysis Filtered (Y/N)																									
1	G213						7	2	2	2		1							✓					✓		✓		✓			230718.10-033
2	G214						6	2	1	2		1												✓				✓			034
3	G215						7	2	2	2		1							✓					✓		✓		✓			035
4	G216						6	2	1	2		1												✓				✓			036
5	G217						7	2	2	2		1							✓					✓		✓		✓			037
6	G218						7	2	2	2		1							✓					✓		✓		✓			038
7	G270						7	2	2	2		1						✓		✓				✓		✓	✓	✓			039
8	G271						7	2	2	2		1								✓					✓	✓		✓			040
9	G272						6	2	1	2		1													✓			✓			041
10	G273						7	2	2	2		1								✓					✓	✓		✓			042
11	G274						6	2	1	2		1													✓			✓			043
12	G275						7	2	2	2		1								✓					✓	✓		✓			044
13	G275D						6	2	2	2										✓					✓	✓					045
14	G276						7	2	2	2		1								✓					✓	✓		✓			046
15	G277						7	2	2	2		1								✓					✓	✓		✓			047
16	G278						6	2	1	2		1													✓			✓			048

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-23Q3 Rev 0				Allison Colin	8/9	1752	Y N

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:		Temp in °C	Received on ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
SIGNATURE of SAMPLER:	DATE Signed (MM/DD/YY):				

COF-257105

230718810

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 4 of 7

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp	Report To: Brian Voelker	Attention: Jason Stuckey
Address: 13498 E. 900th St	Copy To: Jason Stuckey	Company Name: Vistra Corp
		Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
								Requested Analysis Filtered (Y/N)																									
1	G279						7	2	2	2		1								✓					✓	✓	✓	✓			23071810-049
2	G280						7	2	2	2		1						✓		✓					✓	✓	✓	✓			050
3	G281						7	2	2	2		1					✓	✓					✓	✓			✓	✓				051
4	G283						6	2	2	2										✓					✓	✓					052
5	G284						6	2	2	2										✓					✓	✓					053
6	G285						6	2	2	2										✓					✓	✓					054
7	G286						0																		✓						055
8	G287						0																		✓						056
9	G288						0																		✓						057
10	G301			8-9-23	1113		6	2	2	2						✓							✓				✓				058
11	G302			8-9-23	1155		6	2	2	2						✓							✓				✓				059
12	G303			8-9-23	1526		6	2	2	2						✓							✓				✓				060
13	G305						6	2	2	2						✓							✓				✓				061
14	G306						6	2	2	2						✓							✓				✓				062
15	G307						6	2	2	2						✓							✓				✓				063
16	G307D						6	2	2	2						✓							✓				✓				064

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-23Q3 Rev 0	J. Colp	8-9	1752	Allison Colp	8/9	1752	Y / N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: Justin Colp DATE Signed (MM/DD/YY): 8-9-23

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

COF-257-105
23071810

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:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp	Report To: Brian Voelker	Attention: Jason Stuckey
Address: 13498 E. 900th St	Copy To: Jason Stuckey	Company Name: Vistra Corp
		Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Valid Matrix Codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test ↓ COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
								Requested Analysis Filtered (Y/N)																									
1	G308						6	2	2	2							✓						✓				✓					23071810-065
2	G309						0										✓						✓									066
3	G310			8-9-23	1036		6	2	2	2							✓						✓				✓					067
4	G312				1228		6	2	2	2							✓						✓				✓					068
5	G313				1412		6	2	2	2							✓						✓				✓					069
6	G314				1433		6	2	2	2							✓						✓				✓					070
7	G314D			↓	1453		6	2	2	2							✓						✓				✓					071
8	G315						6	2	2	2							✓						✓				✓					072
9	G316			8-9-23	1343		6	2	2	2							✓						✓				✓					073
10	G317						0																✓									074
11	G401						7	2	2	2		1						✓						✓			✓	✓					075
12	G402						7	2	2	2		1						✓						✓			✓	✓					076
13	G403						7	2	2	2		1						✓						✓			✓	✓					077
14	G404						7	2	2	2		1						✓						✓			✓	✓					078
15	G405						7	2	2	2		1						✓						✓			✓	✓					079
16	G406						7	2	2	2		1						✓						✓			✓	✓					080

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-23Q3 Rev 0	J-Cole	8-9	1752	Allison Cole	8/9	1752	

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	Y	N	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Cole

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 8-9-23

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	Report To: Brian Voelker	Attention: Jason Stuckey
Address: 13498 E. 900th St	Copy To: Jason Stuckey	Company Name: Vistra Corp
		Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information — SAMPLE ID (A-2, 0-9 / ,-) Sample IDs MUST BE UNIQUE	Valid Matrix Codes: MATRIX / CODE — DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G407							7	2	2	2		1						✓	✓					✓	✓				23071810-081
2	G410							4	1		2		1							TB	Bad 1 of 3						✓				082
3	G411							4	1		2		1														✓				083
4	G1001							10	2	2	2								✓						✓		✓				084
5	G1003							0											✓						✓						085
6	L203							2	1		1											✓									086
7	MW03D							0																		✓					087
8	MW11D							0																		✓					088
9	MW11S							0																		✓					089
10	MW12D							0																		✓					090
11	MW16D							0																		✓					091
12	MW16S							0																		✓					092
13	MW20S							0																			✓				093
14	NE Riser							10	2	2	2									✓						✓		✓			094
15	R104							7	2	2	2		1									✓				✓			✓		095
16	R201							7	2	2	2		1							✓		✓				✓			✓		096

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-23Q3 Rev 0				Allison Colin	8/9	1752	Y N

SAMPLER NAME AND SIGNATURE			Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:						
SIGNATURE of SAMPLER:	DATE Signed (MM/DD/YY):					

COF-257-105 2307181 0

CHAIN-OF-CUSTODY / Analytical Request Document

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Section A Required Client Information:

Company:	Vistra Corp
Address:	13498 E. 900th St
Email To:	Brian.Voelker@VistraCorp.com
Phone: (217) 753-8911	Fax:
Requested Due Date/TAT:	10 day

Section B Required Project Information:

Report To:	Brian Voelker
Copy To:	Jason Stuckey
Purchase Order No.:	
Project Name:	
Project Number:	2285

Section C Invoice Information:

Attention:	Jason Stuckey
Company Name:	Vistra Corp
Address:	see Section A
Quote Reference:	
Project Manager:	
Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	R205						6	2	1	2	1														✓				✓			2307181C-097
2	SG-02						0											✓	✓					✓	✓								098
3	SG-03						0											✓	✓					✓	✓								099
4	SG-04						0												✓	✓	✓				✓	✓	✓							100
5	T127			8-9-23	1108		6	2	1	2	1											✓	✓										101
6	T128			8-9-23	1416		5	2	1	1	1												✓										102
7	X201						6	2	2	2											✓					✓	✓						103
8	XPW01						6	2	2	2								✓									✓							104
9	XPW02						6	2	2	2								✓									✓							105
10	XSG-01						0											✓						✓										106
11	Field Blank						8	2	3	2	1							✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			107
12	G102 Duplicate			8-9-23	1507		7	2	2	2	1											✓	✓			✓			✓					108
13	G200 Duplicate						7	2	2	2	1									✓		✓				✓	✓		✓					109
14	G273 Duplicate						7	2	2	2	1										✓					✓	✓		✓					110
15	G301 Duplicate			8-9-23	1311		6	2	2	2								✓						✓			✓							111
16	R201 Duplicate						7	2	2	2	1									✓		✓				✓	✓		✓					112

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
COF-23Q3 Rev 0	J. Colp	8-9	1752	Allison Mohn	8/9	1752		Y	N	
							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 8-9-23

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	Report To: Brian Voelker	Attention: Jason Stuckey
Address: 13498 E. 900th St	Copy To: Jason Stuckey	Company Name: Vistra Corp
		Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY: NPDES GROUND WATER DRINKING WATER UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Requested Analysis Filtered (Y/N) Y/N	Analysis Test	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G101						5	2	1	1		1											✓									23071810-001
2	G102						7	2	2	2												✓	✓			✓			✓			002
3	G103			8-10-23	0823		7	2	2	2													✓			✓			✓			003
4	G105				0859		7	2	2	2													✓			✓			✓			004
5	G106				0916		7	2	2	2												✓	✓			✓			✓			005
6	G107			↓	0943		5	2	1	1		1											✓									006
7	G108						5	2	1	1		1											✓									007
8	G109						5	2	1	1		0											✓									008
9	G110						5	2	1	1		1										✓	✓									009
10	G111						5	2	1	1		1											✓									010
11	G119						5	2	1	1		1											✓									011
12	G120						6	2	1	2		1										✓	✓									012
13	G121						5	2	1	1		1											✓									013
14	G122						5	2	1	1		1											✓									014
15	G123						5	2	1	1		1											✓									015
16	G124						5	2	1	1		1											✓									016

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
COF-23Q3 Rev 0	J. Colp	8-10	1730	[illegible]	8/10/23	1730	2.0	Y	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 8-10-23

pH of 7191 7929. added 1:1 2564 (902183) to G106 and G104. Added NaOH (816623) to G153 and G154. Added HNO3 to total and dissolved from G154. CRT 8-11-23.

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	Report To:	Brian Voelker	Attention:	Jason Stuckey
Address:	13498 E. 900th St	Copy To:	Jason Stuckey	Company Name:	Vistra Corp
				Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY: NPDES | GROUND WATER | DRINKING WATER | UST | RCRA | OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test ↓ Y/N	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G125						6	2	1	2	1									✓	✓										230-7180-017
2	G126						5	2	1	1	1										✓											018
3	G151			8-10-23	1010		4	2		1	1																		✓			019
4	G152			8-10-23	1209		4	2		1	1																		✓			020
5	G153			8-10-23	1138		4	2		1	1																		✓			021
6	G154			8-10-23	1113		5	2		2	1																	✓	✓			022
7	G155			8-10-23	1046		4	2		1	1																		✓			023
8	G200						7	2	2	2	1								✓		✓				✓		✓		✓			024
9	G206						7	2	2	2	1								✓						✓		✓		✓			025
10	G206D						6	2	2	2									✓						✓		✓					026
11	G207						6	2	1	2	1														✓				✓			027
12	G208						6	2	1	2	1														✓				✓			028
13	G209						7	2	2	2	1								✓						✓		✓		✓			029
14	G210						6	2	1	2	1														✓				✓			030
15	G211						6	2	1	2	1														✓				✓			031
16	G212			8-10-23	1528		7	2	2	2	1								✓						✓		✓		✓			032

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
COF-23Q3 Rev 0	J. Colp	8-10	1730	[signature]	8/10/23	1730		Y	N	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 8-10-23

230718.10

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 3 of 7

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp	Report To: Brian Voelker	Attention: Jason Stuckey
Address: 13498 E. 900th St	Copy To: Jason Stuckey	Company Name: Vistra Corp
		Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G213			8-10-23	1508		7	2	2	2		1							✓						✓		✓				230718.10-033
2	G214			8-10-23	1450		6	2	1	2		1													✓			✓			034
3	G215				1416		7	2	2	2		1							✓						✓		✓		✓			035
4	G216				1347		6	2	1	2		1													✓			✓			036
5	G217				1325		7	2	2	2		1							✓						✓		✓		✓			037
6	G218				1253		7	2	2	2		1							✓						✓		✓		✓			038
7	G270						7	2	2	2		1					✓			✓				✓		✓	✓	✓		✓			039
8	G271						7	2	2	2		1								✓					✓		✓		✓			040
9	G272						6	2	1	2		1													✓			✓			041
10	G273						7	2	2	2		1								✓					✓	✓		✓			042
11	G274						6	2	1	2		1													✓			✓			043
12	G275						7	2	2	2		1								✓					✓	✓		✓			044
13	G275D						6	2	2	2										✓					✓	✓					045
14	G276						7	2	2	2		1								✓					✓	✓		✓			046
15	G277						7	2	2	2		1								✓					✓	✓		✓			047
16	G278						6	2	1	2		1													✓			✓			048

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-23Q3 Rev 0	J. Colp	8-10	1730		8/10/23	1730	Y N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 8-10-23

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	Y	N	

COF-257-105

230 71810

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp	Report To:	Brian Voelker	Attention:	Jason Stuckey
Address:	13498 E. 900lh St	Copy To:	Jason Stuckey	Company Name:	Vistra Corp
				Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
	Requested Analysis Filtered (Y/N)																														
1	G279						7	2	2	2	1									✓					✓	✓	✓	✓			23071810-049
2	G280						7	2	2	2	1						✓			✓			✓		✓	✓	✓	✓			050
3	G281						7	2	2	2	1					✓	✓						✓	✓			✓	✓			051
4	G283						6	2	2	2										✓					✓	✓					052
5	G284						6	2	2	2										✓					✓	✓					053
6	G285						6	2	2	2										✓					✓	✓					054
7	G286						0																		✓						055
8	G287						0																		✓						056
9	G288						0																		✓						057
10	G301						6	2	2	2						✓							✓				✓				058
11	G302						6	2	2	2						✓							✓				✓				059
12	G303						6	2	2	2						✓							✓				✓				060
13	G305			8-10-23	1236		6	2	2	2						✓							✓				✓				061
14	G306			8-10-23	1101		6	2	2	2						✓							✓				✓				062
15	G307 (Amt Pump			8-10-23	N/A		6	2	2	2						✓							✓				✓				063
16	G307D			8-10-23	1212		6	2	2	2						✓							✓				✓				064

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
COF-23Q3 Rev 0	J. Colp	8-10	1730	[illegible]	8/10/23	1730		Y	N	

SAMPLER NAME AND SIGNATURE			Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Justin Colp					
SIGNATURE of SAMPLER:	[signature]	DATE Signed (MM/DD/YY): 8-10-23				

COF-257-105 23071810

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 5 of 7

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp	Report To: Brian Voelker	Attention: Jason Stuckey
Address: 13498 E. 900th St	Copy To: Jason Stuckey	Company Name: Vistra Corp
		Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G308			8-10-23	1308		6	2	2	2							✓						✓				✓					23071810-065
2	G309						0																✓									066
3	G310						6	2	2	2							✓						✓				✓					067
4	G312						6	2	2	2							✓						✓				✓					068
5	G313						6	2	2	2							✓						✓				✓					069
6	G314						6	2	2	2							✓						✓				✓					070
7	G314D						6	2	2	2							✓						✓				✓					071
8	G315			8-10-23	1129		6	2	2	2							✓						✓				✓					072
9	G316						6	2	2	2							✓						✓				✓					073
10	G317						0																✓									074
11	G401						7	2	2	2		1						✓						✓			✓	✓					075
12	G402						7	2	2	2		1						✓						✓			✓	✓					076
13	G403						7	2	2	2		1						✓						✓			✓	✓					077
14	G404						7	2	2	2		1						✓						✓			✓	✓					078
15	G405						7	2	2	2		1						✓						✓			✓	✓					079
16	G406						7	2	2	2		1						✓						✓			✓	✓					080

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-23Q3 Rev 0	J. Colp	8-10	1730	Jamie Allen	8/10/23	1730	

SAMPLER NAME AND SIGNATURE							
PRINT Name of SAMPLER:	Justin Colp						
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY):	8-10-23	Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
					Y	N	

COF-257-109
230 11810

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 6 of 7

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp	Report To: Brian Voelker	Attention: Jason Stuckey
Address: 13498 E. 900th St	Copy To: Jason Stuckey	Company Name: Vistra Corp
		Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G407			8-10-23	1432		7	2	2	2								✓	✓				✓			✓	✓				23011810-281
2	G410			8-10-23	1458		4	1		2	1								TB Bad Label								✓				282
3	G411			8-10-23	1524		4	1		2	1																✓				283
4	G1001						6	2	2	2							✓						✓			✓					284
5	G1003						0										✓						✓								285
6	L203						2	1		1											✓										286
7	MW03D						0																	✓							287
8	MW11D						0																	✓							288
9	MW11S						0																	✓							289
10	MW12D						0																	✓							290
11	MW16D						0																	✓							291
12	MW16S						0																	✓							292
13	MW20S						0																		✓						293
14	NE Riser						6	2	2	2									✓					✓		✓					294
15	R104			8-10-23	0840		7	2	2	2		1										✓			✓			✓			295
16	R201						7	2	2	2		1							✓		✓				✓	1	✓	✓			296

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-23Q3 Rev 0	J. Cole	8-10	1730	[illegible]	8/10/23	1730	

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	Y	N	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Cole

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 8-10-23

COF-257-105
230-71810

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 7 of 7

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp	Report To: Brian Voelker	Attention: Jason Stuckey
Address: 13498 E. 900th St	Copy To: Jason Stuckey	Company Name: Vistra Corp
		Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-108	Residual Chlorine (Y/N)	Project No./ Lab I.D.
								Requested Analysis Filtered (Y/N)																									
1	R205						6	2	1	2		1													✓				✓		23071810-097
2	SG-02						0										✓	✓					✓	✓							098
3	SG-03						0										✓	✓					✓	✓							099
4	SG-04						0											✓	✓	✓				✓	✓	✓					100
5	T127						6	2	1	2		1									✓	✓									101
6	T128						5	2	1	1		1										✓									102
7	X201						6	2	2	2										✓					✓	✓					103
8	XPW01			8-10-23	1322		6	2	2	2							✓										✓				104
9	XPW02			8-10-23	1345		6	2	2	2							✓										✓				105
10	XSG-01						0										✓						✓								106
11	Field Blank						8	2	3	2		1					✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		107
12	G102 Duplicate						7	2	2	2		1									✓	✓			✓			✓			108
13	G200 Duplicate						7	2	2	2		1							✓		✓				✓		✓	✓			109
14	G273 Duplicate						7	2	2	2		1								✓					✓	✓		✓			110
15	G301 Duplicate						6	2	2	2							✓						✓				✓				111
16	R201 Duplicate						7	2	2	2		1							✓		✓				✓		✓	✓			112

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
COF-23Q3 Rev 0	J. Colp	8-10	1730	Emily Ciborowski	8/10/23	1730		Y	N	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 8-10-23

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 5 of 7

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp	Report To: Brian Voelker	Attention: Jason Stuckey
Address: 13498 E. 900th St	Copy To: Jason Stuckey	Company Name: Vistra Corp
		Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY: NPDES GROUND WATER DRINKING WATER; UST RCRA OTHER

Site Location STATE: IL

Valid Matrix Codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

ITEM #	SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G308						6	2	2	2								✓						✓				✓				23071810-065
2	G309						0																	✓								066
3	G310						6	2	2	2								✓						✓				✓				067
4	G312						6	2	2	2								✓						✓				✓				068
5	G313						6	2	2	2								✓						✓				✓				069
6	G314						6	2	2	2								✓						✓				✓				070
7	G314D						6	2	2	2								✓						✓				✓				071
8	G315						6	2	2	2								✓						✓				✓				072
9	G316						6	2	2	2								✓						✓				✓				073
10	G317						0																	✓								074
11	G401			8/11/23	1127		7	2	2	2	1								✓						✓			✓	✓			075
12	G402			8/11/23	1209		7	2	2	2	1								✓						✓			✓	✓			076
13	G403			8/11/23	1051		7	2	2	2	1								✓						✓			✓	✓			077
14	G404						7	2	2	2	1								✓						✓			✓	✓			078
15	G405			8/11/23	1247		7	2	2	2	1								✓						✓			✓	✓			079
16	G406			8/11/23	1013		7	2	2	2	1								✓						✓			✓	✓			080

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-23Q3 Rev 0	TekHaz	8/11/23	1427		8/11/23	1427	

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:	Joe Kittel			Y	N	
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY): 8/11/23				

PH: 907/9/79929 (9244)
Added HNO3 to G405 diss.
cont. LM 8/11

10.2° CG #5

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 2 of 7

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp	Report To: Brian Voelker	Attention: Jason Stuckey
Address: 13498 E. 900th St	Copy To: Jason Stuckey	Company Name: Vistra Corp
		Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Requested Analysis Filtered (Y/N)

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G125																															
2	G126																															
3	G151																															
4	G152																															
5	G153																															
6	G154																															
7	G155																															
8	G200																															
9	G206			8-14-23	1152																											-025
10	G206D			8-14-23	1134																											-026
11	G207																															
12	G208			8-14-23	1109																											-028
13	G209			↓	1046																											-029
14	G210				1029																											-030
15	G211			↓	1236																											-031
16	G212																															

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-23Q3 Rev 0	J. Colp	8-14	1810	Allison Colp	8/14	1810	5.8
							#5

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Justin Colp				
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY):	8-14-23		

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

PH: 90719
AC 8/15

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:

Company:	Vistra Corp
Address:	13498 E. 900th St
Email To:	Brian.Voelker@VistraCorp.com
Phone: (217) 753-8911	Fax:
Requested Due Date/TAT:	10 day

Section B Required Project Information:

Report To:	Brian Voelker
Copy To:	Jason Stuckey
Purchase Order No.:	
Project Name:	
Project Number:	2285

Section C Invoice Information:

Attention:	Jason Stuckey
Company Name:	Vistra Corp
Address:	see Section A
Quote Reference:	
Project Manager:	
Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

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: COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G213																													
2	G214																													
3	G215																													
4	G216																													
5	G217																													
6	G218																													
7	G270			8-14-23	1345																									-039
8	G271				1315																									-040
9	G272				1411																									-041
10	G273				1432																									-042
11	G274				1200																									-043
12	G275				DRY																									-044
13	G275D				1120																									-045
14	G276				1235																									-046
15	G277				DRY																									-047
16	G278																													

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-23Q3 Rev 0	J. Colp	8-14	1810	[signature]	8/14	1870	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 8-14-23

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 4 of 7

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp	Report To: Brian Voelker	Attention: Jason Stuckey
Address: 13498 E. 900th St	Copy To: Jason Stuckey	Company Name: Vistra Corp
		Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G279			8-14-23	DRY																										045
2	G280			↓	1448																										050
3	G281			↓	1606																										057
4	G283																														
5	G284																														
6	G285																														
7	G286																														
8	G287																														
9	G288																														
10	G301																														
11	G302																														
12	G303																														
13	G305																														
14	G306																														
15	G307																														
16	G307D																														

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-23Q3 Rev 0	J. Colp	8-14	1810	Allison Colp	8/14	1810	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Jason Colp

SIGNATURE of SAMPLER: Jason Colp

DATE Signed (MM/DD/YY): 8-14-23

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:

Company:	Vistra Corp
Address:	13498 E. 900th St
Email To:	Brian.Voelker@VistraCorp.com
Phone: (217) 753-8911	Fax:
Requested Due Date/TAT:	10 day

Section B Required Project Information:

Report To:	Brian Voelker
Copy To:	Jason Stuckey
Purchase Order No.:	
Project Name:	
Project Number:	2285

Section C Invoice Information:

Attention:	Jason Stuckey
Company Name:	Vistra Corp
Address:	see Section A
Quote Reference:	
Project Manager:	
Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G308																														
2	G309																														
3	G310																														
4	G312																														
5	G313																														
6	G314																														
7	G314D																														
8	G315																														
9	G316																														
10	G317																														
11	G401																														
12	G402																														
13	G403																														
14	G404			8-14-23	1543																										-078
15	G405																														
16	G406																														

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-23Q3 Rev 0	J. Cole	8-14	1810	Allison Cole	8/14	1810	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: JUSTIN COLE

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 8-14-23

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp	Report To: Brian Voelker	Attention: Jason Stuckey
Address: 13498 E. 900th St	Copy To: Jason Stuckey	Company Name: Vistra Corp
		Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information — SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test ↓ Y/N	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	R205			8-14-23	1534																										~~091~~-097
2	SG-02																														
3	SG-03																														
4	SG-04																														
5	T127																														
6	T128																														
7	X201 (Amt blank			8-14-23	N/A																										-103
8	XPW01																														
9	XPW02																														
10	XSG-01																														
11	Field Blank																														
12	G102 Duplicate																														
13	G200 Duplicate				1432																										-109
14	G273 Duplicate			8-14-23	~~1507~~ JC																										-110
15	G301 Duplicate																														
16	R201 Duplicate																														

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-23Q3 Rev 0	J. Colp	1810	8-14	Allison Colp	8/14	1810	

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Justin Colp	DATE Signed (MM/DD/YY):	8-14-23	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

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 2 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp	Report To:	Brian Voelker	Attention:	Jason Stuckey
Address:	13498 E. 900th St	Copy To:	Jason Stuckey	Company Name:	Vistra Corp
				Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information — SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G125																														
2	G126																														
3	G151																														
4	G152																														
5	G153																														
6	G154																														
7	G155																														
8	G200 insufficient water			8-15-23	DRY																										
9	G206																														
10	G206D																														
11	G207 DRY after rerun			8-15-23	DRY																										
12	G208																														
13	G209																														
14	G210																														
15	G211																														
16	G212																														

Valid Matrix Codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

Residual Chlorine (Y/N): Yes Vm 90719 79929 X201 added HNO3 (9244T) & H2SO4 (9070) gm 8/15/23

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-23Q3 Rev 0	J. Cole	8-15	1518		8-15-23	1518	12.5
							Yes #1

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Cole

SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY): 8-15-23

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 3 of 7

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp	Report To: Brian Voelker	Attention: Jason Stuckey
Address: 13498 E. 900th St	Copy To: Jason Stuckey	Company Name: Vistra Corp
		Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY: NPDES GROUND WATER DRINKING WATER; UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

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	Y/N	Analysis Test	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G213																														
2	G214																														
3	G215																														
4	G216																														
5	G217																														
6	G218																														
7	G270																														
8	G271																														
9	G272																														
10	G273																														
11	G274																														
12	G275																														
13	G275D																														
14	G276																														
15	G277																														
16	G278 Washington Water			8-15-23	DFH																										

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-23Q3 Rev 0	J. Cold	8-15	1518		8-15-23	1518	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Cold

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 8-15-23

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

230F-257-105

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp	Report To: Brian Voelker	Attention: Jason Stuckey
Address: 13498 E. 900th St	Copy To: Jason Stuckey	Company Name: Vistra Corp
		Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Valid Matrix Codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
																		Requested Analysis Filtered (Y/N)														
1	G279																														
2	G280																														
3	G281																														
4	G283			8-15-23	1145																										
5	G284			↓	1010																										
6	G285			↓	1104																										
7	G286																														
8	G287																														
9	G288																														
10	G301																														
11	G302																														
12	G303																														
13	G305																														
14	G306																														
15	G307																														
16	G307D																														

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-23Q3 Rev 0	J. Cold	8-15	1516		8-15-23	1516	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Cold

SIGNATURE of SAMPLER: Justin Cold DATE Signed (MM/DD/YY): 8-15-23

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp	Report To: Brian Voelker	Attention: Jason Stuckey
Address: 13498 E. 900th St	Copy To: Jason Stuckey	Company Name: Vistra Corp
		Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N: Analysis Test	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G407																														
2	G410																														
3	G411																														
4	G1001 insufficient water			8-15-23	DKY																										
5	G1003																														
6	L203 insufficient water			8-15-23	DKY																										
7	MW03D																														
8	MW11D																														
9	MW11S																														
10	MW12D																														
11	MW16D																														
12	MW16S																														
13	MW20S																														
14	NE Riser			8-15-23	1312																										
15	R104																														
16	R201 ★			8-15-23	DKY																										

Valid Matrix Codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-23Q3 Rev 0	J. Colp	8-15	1518		8.15.23	1518	

★=hole in air line

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Justin Colp		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY): 8-15-23				

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	Report To: Brian Voelker	Attention: Jason Stuckey
Address: 13498 E. 900th St	Copy To: Jason Stuckey	Company Name: Vistra Corp
		Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	R205																															
2	SG-02																															
3	SG-03																															
4	SG-04																															
5	T127																															
6	T128																															
7	X201 Filter in lab			8-15-23	1253																											
8	XPW01																															
9	XPW02																															
10	XSG-01																															
11	Field Blank			8-15-23	1035																											
12	G102 Duplicate																															
13	G200 Duplicate			8-15-23	DRY																											
14	G273 Duplicate																															
15	G301 Duplicate																															
16	R201 Duplicate			8-15-23	DRY																											

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-23Q3 Rev 0	J. Colp	8-15	1518		8-16-23	1514	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 8-15-23

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

23071810

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 1 of 1

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp	Report To: Brian Voelker	Attention: Jason Stuckey
Address: 13498 E. 900th St	Copy To: Jason Stuckey	Company Name: Vistra Corp
		Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY: NPDES GROUND WATER DRINKING WATER UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test ↓ Y/N	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G308 (resample)			9/19/23	1100		1			1							X						X				X					23071810-113
2	X201 (resample)			"	1017		1			1										X						X	X					-114
3																																
4																																
5																																
6																																
7																																
8																																
9																																
10																																
11																																
12																																
13																																
14																																
15																																
16																																

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
COF-23Q3 Rev 0	[signature]	9/19/23	1312	[signature]	9/19/23	BR	9.4	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: [illegible]

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 9/18/23

LRAL

pH V 90719
Dmm 9/19/23

Site Sampling Event	Coffeen 3Q		Summary of Well Information																
LIMS Workorder	23071810																		
Technician	JC,JR		hmm	hhmm															
WO Sample	Well ID	Date	Time	Time (adj)	DTB (ft)	DTW (ft)	MP Elev (ft)	GW Elev (ft)	Well Condition	Sampling Device	Samling Method	Field Filtered	Appearance	Odor	Color	Turbidity (visible)	Ferrous Iron	COMMENTS
001A	G101	08/09/2023	1451	1451		11.16			Good	Bladder Pump	Low Flow	Yes	Clear	None	None	None		
002A	G102	08/09/2023	1507	1507		10.34			Good	Bladder Pump	Low Flow	Yes	Clear	None	None	None		
003A	G103	08/10/2023	823	0823		13.53			Good	Bladder Pump	Low Flow	Yes	Clear	None	None	None		
004A	G105	08/10/2023	859	0859		10.84			Good	Bladder Pump	Low Flow	Yes	Clear	None	None	None		
005A	G106	08/10/2023	916	0916		12.17			Good	Bladder Pump	Low Flow	Yes	Clear	None	None	None		
006A	G107	08/10/2023	943	0943		12.76			Good	Bladder Pump	Low Flow	Yes	Clear	None	None	None		
007A	G108	08/09/2023	948	0948		13.24			Good	Bladder Pump	Low Flow	Yes	Clear	None	None	None		
008A	G109	08/09/2023	1010	1010		13.64			Good	Bladder Pump	Low Flow	Yes	Clear	None	None	Slight		
009A	G110	08/09/2023	1028	1028		14.16			Good	Bladder Pump	Low Flow	Yes	Clear	None	None	None		
010A	G111	08/09/2023	1047	1047		14.95			Good	Bladder Pump	Low Flow	Yes	Clear	None	None	None		
011A	G119	08/09/2023	1132	1132		15.65			Good	Bladder Pump	Low Flow	Yes	Clear	None	None	None		
012A	G120	08/09/2023	1149	1149		16.31			Good	Bladder Pump	Low Flow	Yes	Clear	None	None	None		
013A	G121	08/09/2023	1219	1219		18.4			Good	Bladder Pump	Low Flow	Yes	Clear	None	None	None		
014A	G122	08/09/2023	1237	1237		19.54			Good	Bladder Pump	Low Flow	Yes	Clear	None	None	None		
015A	G123	08/09/2023	1257	1257		18.57			Good	Bladder Pump	Low Flow	Yes	Clear	None	None	None		
016A	G124	08/09/2023	1313	1313		18.49			Good	Bladder Pump	Low Flow	Yes	Clear	None	None	None		
017A	G125	08/09/2023	1327	1327		18.53			Good	Bladder Pump	Low Flow	Yes	Clear	None	None	None		
018A	G126	08/09/2023	1401	1401		10.93			Good	Bladder Pump	Low Flow	Yes	Clear	None	None	None		
019A	G151	08/10/2023	1010	1010		12.22			Good	Bladder Pump	Low Flow	Yes	Clear	None	None	None		
020A	G152	08/10/2023	1209	1209		12.4			Good	Bladder Pump	Low Flow	Yes	Cloudy	None	Lt. Brown	Moderate		
021A	G153	08/10/2023	1138	1138		13.08			Good	Bladder Pump	Low Flow	Yes	Clear	None	None	None		
022A	G154	08/10/2023	1113	1113		14.6			Good	Bladder Pump	Low Flow	Yes	Clear	None	None	None		
023A	G155	08/10/2023	1046	1046		13.21			Good	Bladder Pump	Low Flow	Yes	Cloudy	None	Rust	Moderate		
024A	G200			0		9.21			Needs Work									hole in air line
025A	G206	08/14/2023	1152	1152		13.89			Good	Bladder Pump	Low Flow	Yes	Clear	Slight	None	None	0.564	
026A	G206D	08/14/2023	1134	1134		30.04			Good	Bladder Pump	Low Flow	Yes	Clear	Slight	None	None	2.818	
027A	G207	08/15/2023	dry			14.2												dry after reads
028A	G208	08/14/2023	1109	1109		14.08			Good	Bladder Pump	Low Flow	Yes	Clear	None	None	None		
029A	G209	08/14/2023	1046	1046		13.79			Good	Bladder Pump	Low Flow	Yes	Clear	None	None	None	0.725	
030A	G210	08/14/2023	1029	1029		13.27			Good	Bladder Pump	Low Flow	Yes	Clear	None	None	None		
031A	G211	08/14/2023	1236	1236		13.44			Good	Bladder Pump	Low Flow	Yes	Clear	None	None	None		
032A	G212	08/10/2023	1528	1528		14.61			Good	Bladder Pump	Low Flow	Yes	Clear	None	None	None	under	
033A	G213	08/10/2023	1508	1508		15.05			Good	Bladder Pump	Low Flow	Yes	Clear	None	None	None	under	
034A	G214	08/10/2023	1450	1450		17.64			Good	Bladder Pump	Low Flow		Clear	None	None	None		
035A	G215	08/10/2023	1416	1416		17.22			Good	Bladder Pump	Low Flow	Yes	Clear	None	None	None	under	
036A	G216	08/10/2023	1347	1347		16.51			Good	Bladder Pump	Low Flow	Yes	Clear	None	None	Slight		
037A	G217	08/10/2023	1325	1325		18.29			Good	Bladder Pump	Low Flow	Yes	Clear	None	None	None	under	
038A	G218	08/10/2023	1253	1253		16.98			Good	Bladder Pump	Low Flow	Yes	Clear	None	None	None	under	
039A	G270	08/14/2023	1345	1345		8.52			Good	Bladder Pump	Low Flow	Yes	Clear	None	None	None	0.618	
040A	G271	08/14/2023	1315	1315		11.2			Good	Bladder Pump	Low Flow	Yes	Clear	None	None	None	0.085	
041A	G272	08/14/2023	1411	1411		10.55			Good	Bladder Pump	Low Flow	Yes	Clear	None	None	None		
042A	G273	08/14/2023	1432	1432		11.56			Good	Bladder Pump	Low Flow	Yes	Clear	None	None	None	0	
043A	G274	08/14/2023	1200	1200		14.99			Good	Bladder Pump	Low Flow	Yes	Clear	Slight		None	N/A	
044A	G275	08/14/2023		0		dry												DRY
045A	G275D	08/14/2023	1120	1120		31.27			Good	Bladder Pump	Low Flow	Yes	Clear	None	Lt. Brown	Slight	over	
046A	G276	08/14/2023	1235	1235		27.75			Needs Work	Bladder Pump	Low Flow	Yes	Clear	None	None	None	2.056	leak in air line
047A	G277	08/14/2023		0		19.76												Dry
048A	G278	08/15/2023	dry	0dry		20.98												insufficient water
049A	G279	08/08/2023	1251	1251		23.69												
050A	G280	08/14/2023	1458	1458		5.8			Good	Bladder Pump	Low Flow	Yes	Clear	Slight	None	Slight	2.436	
051A	G281	08/14/2023	1606	1606		6.39			Good	Bladder Pump	low flow	yes	clear	none	none	none	0.124	
052A	G283	08/15/2023	1145	1145		7.45			Good	Bladder Pump	Low flow	Yes	Clear	None	None	None	3.821	
053A	G284	08/15/2023	1010	1010		12.28			Good	Bladder Pump	Low flow	Yes	Clear	None	None	None	0	
054A	G285	08/15/2023	1104	1104		8.44			Good	Bladder Pump	Low flow	Yes	Clear	None	None	None	0.359	
055A	G286			0		dry												
056A	G287			0														unable to find access to well
057A	G288	08/14/2023	1336	1336		8.7												
058A	G301	08/09/2023	1113	1113		8.11			Good	Bladder Pump	Low Flow	Yes	Clear	Moderate	None	None	2.697	
059A	G302	08/09/2023	1155	1155		12.68			Good	Bladder Pump	Low Flow	Yes	Clear	Slight	None	None	5.492	
060A	G303	08/09/2023	1526	1526		8.4			Good	Bladder Pump	Low Flow	Yes	Clear	Moderate	None	None	Over	
061A	G305	08/10/2023	1236	1236		9.19			Good	Bladder Pump	Low Flow	Yes	Clear	Slight	None	None	2.463	

Site Sampling Event	Coffeen 3Q		Summary of Well Information															
LIMS Workorder	23071810																	
Technician	JC,JR		hmm	hhmm														
WO Sample	Well ID	Date	Time	Time (adj)	DTB (ft)	DTW (ft)	MP Elev (ft)	GW Elev (ft)	Well Condition	Sampling Device	Samling Method	Field Filtered	Appearance	Odor	Color	Turbidity (visible)	Ferrous Iron	COMMENTS
062A	G306	08/10/2023	1101	1101		9.7			Needs Work	Bladder Pump	Low Flow	Yes	Cloudy	None	Brown	High	2.565	
063A	G307	08/08/2023	1132			0.7			Bad									
064A	G307D	08/10/2023	1212	1212		7.89			Good	Bladder Pump	Low Flow	Yes	Clear	Slight	None	None	4.446	
065A	G308	08/10/2023	1300	1300		5.09			Good	Bladder Pump	Low Flow	Yes	Clear	Slight	None	None		
066A	G309	08/08/2023	1124	1124		8.04												
067A	G310	08/09/2023	1036	1036		10.3			Good	Bladder Pump	Low Flow	Yes	Clear	None	None	None	Over	
068A	G312	08/09/2023	1228	1228		14			Good	Bladder Pump	Low Flow	Yes	Clear	None	None	None	Over	
069A	G313	08/09/2023	1412	1412		3.01			Good	Bladder Pump	Low Flow	Yes	Clear	None	None	None	2.982	
070A	G314	08/09/2023	1433	1433		4.88			Good	Bladder Pump	Low Flow	Yes	Clear	Slight	None	None	Over	
071A	G314D	08/09/2023	1453	1453		7.78			Good	Bladder Pump	Low Flow	Yes	Clear	Slight	None	None	3.301	
072A	G315	03/10/2023	1129	1129		3.5			Good	Bladder Pump	Low Flow	Yes	Clear	Slight	None	None	5.375	
073A	G316	08/09/2023	1343	1343		11.7			Good	Bladder Pump	Low Flow	Yes	Clear	Moderate	None	None	Over	
074A	G317	08/08/2023	1345	1345		Dry											Dry	
075A	G401	08/11/2023	1122	1122		21.75			Good	Bladder Pump	Low Flow	Yes	Clear	Slight	None	None	Over	
076A	G402	08/11/2023	1209	1209		11.65			Good	Bladder Pump	Low Flow	Yes	Clear	None	None	None	6.379	
077A	G403	08/11/2023	1051	1051		7.45			Good	Bladder Pump	Low Flow	Yes	Clear	Slight	None	Slight	2.764	Lock Broken
078A	G404	08/14/2023	1546	1546		5.62			Good	Bladder Pump	Low Flow	yes	Clear	Slight	None	None	4.283	
079A	G405	08/11/2023	1241	1241		6.85			Good	Bladder Pump	Low Flow	Yes	Clear		None	None	5.845	
080A	G406	08/11/2023	1013	1013		11.49			Good	Bladder Pump	Low Flow	Yes	Clear	None	None	None	3.292	
081A	G407	08/10/2023	1429	1429		8.79			Good	Bladder Pump	Low Flow	Yes	Clear	Slight	None	None	Over	
082A	G410	08/10/2023	1458	1458		9.66			Good	Bladder Pump	Low Flow	Yes	Clear	None	None	None		
083A	G411	08/10/2023	1524	1524		8.69			Good	Bladder Pump	Low Flow	Yes	Clear		None	None		
084A	G1001	08/15/2023	dry	dry		6.32												insufficient water
085A	G1003			0														
086A	L203	08/15/2023	dry	dry														insufficient water
087A	MW03D	08/08/2023	1115	1115		30.65												
088A	MW11D	08/08/2023	1159	1159		8.57												
089A	MW11S	08/08/2023	1158	1158		8												
090A	MW12D	08/08/2023	1242	1242		13.93												
091A	MW16D	08/08/2023	1334	1334		12.97												
092A	MW16S	08/08/2023	1333	1333		11.63												
093A	MW20S	08/08/2023	1317	1317		10.6												
094A	NE RISER	08/15/2023	1312	1312		NA			good	Bladder Pump	low flow	yes	clear	none	none	none	2.008	
095A	R104	08/10/2023	840	0840		10.45			good	Bladder Pump	low flow	yes	clear	none	none	none		
096A	R201	08/15/2023	dry	0		11.61												hole in air line
097A	R205	08/14/2023	1534	1534		9.69			good	Bladder Pump	low flow	yes	clear	none	none	none		
098A	SG-02			0														unable to find access
099A	SG-03	08/08/2023	1204	1204		9.65												
100A	SG-04			0														unable to find access
101A	T127	08/09/2023	1108	1108		15.2			good	Bladder Pump	low flow	yes	clear	none	none	none		
102A	T128	08/09/2023	1416	1416		14.8			good	Bladder Pump	low flow	yes	clear	none	none	none		
103A	X201	08/15/2023	1253	1253								no	Clear	none	None	None		
104A	XPW01	08/10/2023	1322	1322		5.29			Good	Bladder Pump	Low Flow	Yes	Clear	Slight	None	None	6.449	
105A	XPW02	08/10/2023	1345	1345		10.3			Good	Bladder Pump	Low Flow	Yes	Clear	None	None	None	Over	
106A	XSG-01	08/08/2023	1219	1219		6.25												
107A	FB	08/15/2023	1035	1035														
108A	G102 DUP	08/09/2023	1507	1507														
109A	G200 DUP	08/15/2023	dry	dry														
110A	G273 DUP	08/14/2023	1432	1432														
111A	G301 DUP	08/09/2023	1113	1113														
112A	R201 DUP	08/15/2023	dry	dry														
113A	G308 (resample)	09/19/2023	1100	1100		6.22			Good	Bladder Pump	Low Flow	Yes	Clear	None	None	None	0.011	
114A	x201 (resample)	09/19/2023	1017	1017		35.29				Bailer		Yes	Clear	None	None	None	0.063	

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810
Technician	JC,JR

Summary of Stabilized Field Parameters

Well ID	Date	Time	Time (adj)	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)	DTB (ft)	DTW (ft)	MP Elev (ft)	GW Elev (ft)	LIMS ID
G101	8/9/2023	14:51	1451	14.6	58.28	7.1	1346.1	1346.1	0.55	14.08	151.1			11.16			23071810-001A
G102	8/9/2023	15:07	1507	15.9	60.62	7.25	1155.5	1155.5	1.09	10.94	156.2			10.34			23071810-002A
G103	8/10/2023	8:23	0823	17	62.6	6.77	1123.8	1123.8	2.2	5.84	163.4			13.53			23071810-003A
G105	8/10/2023	8:59	0859	16.2	61.16	6.97	1103.9	1103.9	1.67	3.87	-81.6			10.84			23071810-004A
G106	8/10/2023	9:16	0916	16.8	62.24	6.88	1241	1241	1.72	2.63	35.7			12.17			23071810-005A
G107	8/10/2023	9:43	0943	16.4	61.52	7.03	1000.5	1000.5	1.96	10.32	81.9			12.76			23071810-006A
G108	8/9/2023	9:48	0948	16	60.8	6.68	999.2	999.2	2.06	6.07	55.9			13.24			23071810-007A
G109	8/9/2023	10:10	1010	15.7	60.26	6.81	1261	1261	1.57	33.29	114.5			13.64			23071810-008A
G110	8/9/2023	10:28	1028	16.1	60.98	6.73	1210.9	1210.9	1.33	9.14	121			14.16			23071810-009A
G111	8/9/2023	10:47	1047	16.2	61.16	6.94	1179.7	1179.7	1.17	4.94	135			14.95			23071810-010A
G119	8/9/2023	11:32	1132	16.4	61.52	7.1	942.6	942.6	1.69	18.75	150.9			15.65			23071810-011A
G120	8/9/2023	11:49	1149	16.4	61.52	6.99	1168.8	1168.8	3.79	16.25	160.6			16.31			23071810-012A
G121	8/9/2023	12:19	1219	16.2	61.16	6.89	1274.6	1274.6	2.07	11.92	164.3			18.4			23071810-013A
G122	8/9/2023	12:37	1237	15.5	59.9	6.77	1614.8	1614.8	2.21	9.19	171.1			19.54			23071810-014A
G123	8/9/2023	12:57	1257	15.3	59.54	7.01	1275	1275	1.51	10.26	124.7			18.57			23071810-015A
G124	8/9/2023	13:13	1313	15.5	59.9	7.09	1147.8	1147.8	2.72	8.55	139.3			18.49			23071810-016A
G125	8/9/2023	13:27	1327	15.5	59.9	7.15	1161.3	1161.3	4.64	7.25	151.9			18.53			23071810-017A
G126	8/9/2023	14:01	1401	16.5	61.7	7.05	1178.4	1178.4	2.17	4.66	145.9			10.93			23071810-018A
G151	8/10/2023	10:10	1010	16.2	61.16	7.14	1214.2	1214.2	2.04	3.34	119			12.22			23071810-019A
G152	8/10/2023	12:09	1209	16	60.8	7	1257.2	1257.2	1.45	303.89	22.6			12.4			23071810-020A
G153	8/10/2023	11:38	1138	16.7	62.06	6.73	5394.8	5394.8	0.97	6.15	3.8			13.08			23071810-021A
G154	8/10/2023	11:13	1113	16.2	61.16	7.3	890.8	890.8	2.84	12.36	122.2			14.6			23071810-022A
G155	8/10/2023	10:46	1046	16.6	61.88	7.16	1219.7	1219.7	2.01	448.4	115.8			13.21			23071810-023A
														9.21			23071810-024A
G206	8/14/2023	11:52	1152	16.1	60.98	6.93	1115.4	1115.4	0.9	3.11	-187.9			13.89			23071810-025A
G206D	8/14/2023	11:34	1134	15.4	59.72	6.94	1384.2	1384.2	0.66	6.89	-48.1			30.04			23071810-026A
G207	8/15/2023	9:13	0913	17.5	63.5	6.61	1136.7	1136.7	1.47	41.59	88.1			14.2			23071810-027A
G208	8/14/2023	11:09	1109	16	60.8	6.91	726.4	726.4	1.45	1.82	106.5			14.08			23071810-028A
G209	8/14/2023	10:46	1046	15.4	59.72	6.6	1635.8	1635.8	0.78	3.09	83.7			13.79			23071810-029A
G210	8/14/2023	10:29	1029	15.9	60.62	6.92	1180.2	1180.2	1.19	5.18	131.1			13.27			23071810-030A
G211	8/14/2023	12:36	1236	15.6	60.08	6.9	1067.1	1067.1	0.59	16.82	16.2			13.44			23071810-031A
G212	8/10/2023	15:28	1528	17.6	63.68	7.22	905.7	905.7	2.95	3.86	68.2			14.61			23071810-032A
G213	8/10/2023	15:08	1508	17.6	63.68	7.16	876.7	876.7	1.78	7.43	101.6			15.05			23071810-033A
G214	8/10/2023	14:50	1450	17.6	63.68	7.13	1224.7	1224.7	1.1	6.04	89.7			17.64			23071810-034A
G215	8/10/2023	14:16	1416	15.6	60.08	6.95	2327	2327	0.71	8.26	92.7			17.22			23071810-035A
G216	8/10/2023	13:47	1347	16.5	61.7	6.95	2888.5	2888.5	1.35	4.01	17			16.51			23071810-036A
G217	8/10/2023	13:25	1325	15.6	60.08	6.92	1968.2	1968.2	1.03	7.19	77.1			18.29			23071810-037A
G218	8/10/2023	12:53	1253	15.2	59.36	6.94	1995.5	1995.5	0.76	22.07	70.1			16.98			23071810-038A
G270	8/14/2023	13:45	1345	15.2	59.36	6.84	935.7	935.7	1.64	5.26	77.7			8.52			23071810-039A
G271	8/14/2023	13:15	1315	17.2	62.96	6.97	1187.5	1187.5	3.16	10.18	75.2			11.2			23071810-040A
G272	8/14/2023	14:11	1411	18	64.4	6.9	1619.9	1619.9	1.98	3.07	90.4			10.55			23071810-041A
G273	8/14/2023	14:32	1432	16.6	61.88	6.76	2056.1	2056.1	1.06	2.18	102.8			11.56			23071810-042A
G274	8/14/2023	12:00	1200	15.6	60.08	7.53	1691.3	1691.3	2.16	9.78	-1.2			14.99			23071810-043A
														dry			23071810-044A
G275D	8/14/2023	11:19	1119	15.6	60.08	7.51	2485.7	2485.7	0.54	14.23	-132			31.27			23071810-045A
G276	8/14/2023	12:35	1235	16.2	61.16	7.16	2193.7	2193.7	1.6	9.03	33.6			27.75			23071810-046A
														19.76			23071810-047A
														20.98			23071810-048A
														23.69			23071810-049A
G280	8/14/2023	14:58	1458	15.5	59.9	7.45	1479.7	1479.7	1.01	8.52	30.9			5.8			23071810-050A
G281	8/14/2023	16:06	1606	18.6	65.48	6.76	1742.6	1742.6	1.74	6.36	101.6			6.39			23071810-051A
G283	8/15/2023	11:45	1145	14.8	58.64	7.07	2098.9	2098.9	0.53	10.21	-71			7.45			23071810-052A
G284	8/15/2023	10:10	1010	17	62.6	7.16	1930.2	1930.2	4.05	6.02	126.4			12.28			23071810-053A
G285	8/15/2023	11:04	1104	14.3	57.74	6.72	3429.4	3429.4	0.69	7.32	54.2			8.44			23071810-054A
														dry			23071810-055A

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810
Technician	JC,JR

Summary of Stabilized Field Parameters

Well ID	Date	Time	Time (adj)	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)	DTB (ft)	DTW (ft)	MP Elev (ft)	GW Elev (ft)	LIMS ID
																	23071810-056A
														8.7			23071810-057A
G301	8/9/2023	11:13	1113	16.5	61.7	6.36	2193.8	2193.8	0.44	8.36	-95.6			8.11			23071810-058A
G302	8/9/2023	11:55	1155	16	60.8	6.49	2460.5	2460.5	2.22	8.1	-79.8			12.68			23071810-059A
G303	8/9/2023	15:26	1526	15.4	59.72	6.8	3751	3751	2.18	43.08	-90.7			8.4			23071810-060A
G305	8/10/2023	12:36	1236	15.4	59.72	7.3	3225.9	3225.9	1.76	13.09	-41.1			9.19			23071810-061A
G306	8/10/2023	11:01	1101	14.5	58.1	6.16	1217.8	1217.8	2.76	320.29	142.7			9.7			23071810-062A
														0.7			23071810-063A
G307D	8/10/2023	12:12	1212	19.8	67.64	7.17	2580.7	2580.7	0.79	19.76	-70.2			7.89			23071810-064A
G308	8/10/2023	13:00	1300	16.2	61.16	7.26	3503.9	3503.9	0.49	8.98	-3			5.09			23071810-065A
														8.04			23071810-066A
G310	8/9/2023	10:36	1036	15.5	59.9	6.78	2641.5	2641.5	0.48	1.13	99.4			10.3			23071810-067A
G312	8/9/2023	12:28	1228	16.6	61.88	6.1	3871.4	3871.4	0.53	8.2	3.4			14			23071810-068A
G313	8/9/2023	14:12	1412	18.1	64.58	6.68	3376.8	3376.8	0.44	9.32	-36.3			3.01			23071810-069A
G314	8/9/2023	14:33	1433	16.7	62.06	6.39	6681.4	6681.4	0.45	2.24	-41.1			4.88			23071810-070A
G314D	8/9/2023	14:53	1453	15.1	59.18	6.8	5231.5	5231.5	0.64	9.63	-45.2			7.78			23071810-071A
G315	8/10/2023	11:29	1129	16.1	60.98	6.69	2599.6	2599.6	0.81	9.22	98.2			3.5			23071810-072A
G316	8/9/2023	13:43	1343	16.1	60.98	6.73	3742.6	3742.6	0.53	9.87	-114.1			11.7			23071810-073A
														Dry			23071810-074A
G401	8/11/2023	11:22	1122	17.5	63.5	5.98	4906.9	4906.9	0.5	6.79	-29.8			21.75			23071810-075A
G402	8/11/2023	12:09	1209	18.1	64.58	7.29	2822.2	2822.2	8.19	80.95	23.1			11.65			23071810-076A
G403	8/11/2023	10:51	1051	18.7	65.66	7.09	1168.7	1168.7	3.06	8.33	-7.6			7.45			23071810-077A
G404	8/14/2023	15:46	1546	19.4	66.92	6.77	2818.9	2818.9	0.48	5.21	65.9			5.62			23071810-078A
G405	8/11/2023	12:41	1241	18.2	64.76	7.09	3392.5	3392.5	1.83	4.72	-21.4			6.85			23071810-079A
G406	8/11/2023	10:13	1013	16.9	62.42	6.73	2273.7	2273.7	2.27	4.1	80.7			11.49			23071810-080A
G407	8/10/2023	14:32	1432	19.2	66.56	6.83	3982.7	3982.7	0.8	9.8	11.6			8.79			23071810-081A
G410	8/10/2023	14:58	1458	19	66.2	6.64	2343.6	2343.6	2.04	2.71	-0.5			9.66			23071810-082A
G411	8/10/2023	15:24	1524	15.7	60.26	7.42	1631.5	1631.5	0.55	4.3	-1.2			8.69			23071810-083A
														6.32			23071810-084A
																	23071810-085A
																	23071810-086A
														30.65			23071810-087A
														8.57			23071810-088A
														8			23071810-089A
														13.93			23071810-090A
														12.97			23071810-091A
														11.63			23071810-092A
														10.6			23071810-093A
NE RISER	8/15/2023	13:12	1312	19.2	66.56	7	28401.7	28401.7	0.56	4.66	178			NA			23071810-094A
R104	8/10/2023	8:40	0840	16.6	61.88	7.08	1035	1035	2.5	2.45	167.4			10.45			23071810-095A
														11.61			23071810-096A
R205	8/14/2023	15:34	1534	16.4	61.52	6.54	1844.8	1844.8	1.09	8.29	90.1			9.69			23071810-097A
																	23071810-098A
														9.65			23071810-099A
																	23071810-100A
T127	8/9/2023	11:07	1107	15.7	60.26	6.97	1057.7	1057.7	0.9	8.05	147.5			15.2			23071810-101A
T128	8/9/2023	14:16	1416	15.6	60.08	7.02	949.2	949.2	1.84	2.6	142			14.8			23071810-102A
X201	8/15/2023	12:53	1253	26.2	79.16	4.39	37586.6	37586.6	7.66	5.41	229.1						23071810-103A
XPW01	8/10/2023	13:22	1322	18.3	64.94	7.66	2416.6	2416.6	0.47	3.47	-103.6			5.29			23071810-104A
XPW02	8/10/2023	13:45	1345	18.7	65.66	7.58	1281.9	1281.9	0.46	2.61	-111.2			10.3			23071810-105A
														6.25			23071810-106A
																	23071810-107A
																	23071810-108A
																	23071810-109A
																	23071810-110A

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810
Technician	JC,JR

Summary of Stabilized Field Parameters

Well ID	Date	Time	Time (adj)	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)	DTB (ft)	DTW (ft)	MP Elev (ft)	GW Elev (ft)	LIMS ID
																	23071810-111A
																	23071810-112A
G308 (resample)	9/19/2023	11:00	1100	18.3	64.94	7.08	2190.4	2190.4	0.26	2.44	64.8			6.22			23071810-113A
x201 (resample)	9/19/2023	10:17	1017	22.3	72.14	5.71	24996.5	24996.5	8.73	10.1	209.5			35.29			23071810-114A

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-001A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G101	8/9/2023	14:30	1430	11.16		14.8	58.64	7.1	1378.7	1378.7	1.27	42.18	151.8	
G101	8/9/2023	14:33	1433	11.16		14.7	58.46	7.09	1381.4	1381.4	0.78	34.03	151.5	
G101	8/9/2023	14:36	1436	11.16		14.6	58.28	7.09	1375.3	1375.3	0.66	26.56	151.5	
G101	8/9/2023	14:39	1439	11.16		14.6	58.28	7.09	1369.7	1369.7	0.62	23.31	151.5	
G101	8/9/2023	14:42	1442	11.16		14.7	58.46	7.09	1363.1	1363.1	0.59	17.74	151.3	
G101	8/9/2023	14:45	1445	11.16		14.7	58.46	7.1	1356.1	1356.1	0.57	16.73	151.3	
G101	8/9/2023	14:48	1448	11.16		14.6	58.28	7.1	1353.1	1353.1	0.56	15.14	151.2	
G101	8/9/2023	14:51	1451	11.16		14.6	58.28	7.1	1346.1	1346.1	0.55	14.08	151.1	

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-002A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G102	8/9/2023	15:01	1501	10.34		17.3	63.14	7.45	880.9	880.9	4.82	7.47	148.4	
G102	8/9/2023	15:04	1504	10.34		15.8	60.44	7.27	1192	1192	1.33	20.67	157.6	
G102	8/9/2023	15:07	1507	10.34		15.9	60.62	7.25	1155.5	1155.5	1.09	10.94	156.2	

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-003A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G103	8/10/2023	8:17	0817	13.53		15.8	60.44	6.47	1117	1117	1.8	11.86	173.9	
G103	8/10/2023	8:20	0820	13.53		16.7	62.06	6.66	1112.9	1112.9	2.12	7.43	166.3	
G103	8/10/2023	8:23	0823	13.53		17	62.6	6.77	1123.8	1123.8	2.2	5.84	163.4	

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-004A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G105	8/10/2023	8:53	0853	10.84		16.2	61.16	6.95	1106.6	1106.6	1.81	9.4	-45.9	
G105	8/10/2023	8:56	0856	10.84		16.2	61.16	6.95	1106.1	1106.1	1.63	4.92	-73.4	
G105	8/10/2023	8:59	0859	10.84		16.2	61.16	6.97	1103.9	1103.9	1.67	3.87	-81.6	

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-005A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G106	8/10/2023	9:10	0910	12.17		16.7	62.06	7.11	1324.4	1324.4	4.45	4.91	33.4	
G106	8/10/2023	9:13	0913	12.17		16.3	61.34	6.94	1249.5	1249.5	1.53	4.41	33.2	
G106	8/10/2023	9:16	0916	12.17		16.8	62.24	6.88	1241	1241	1.72	2.63	35.7	

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-006A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G107	8/10/2023	9:31	0931	12.76		16.7	62.06	7.06	995.7	995.7	2.47	16.47	75.1	
G107	8/10/2023	9:34	0934	12.76		16.6	61.88	7.04	996.4	996.4	2.66	13.51	77.2	
G107	8/10/2023	9:37	0937	12.76		16.6	61.88	7.04	997	997	2.49	10.74	79.1	
G107	8/10/2023	9:40	0940	12.76		16.5	61.7	7.03	999.6	999.6	2.27	9.9	80.6	
G107	8/10/2023	9:43	0943	12.76		16.4	61.52	7.03	1000.5	1000.5	1.96	10.32	81.9	

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-007A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G108	8/9/2023	9:42	0942	13.24		16	60.8	6.3	1017.1	1017.1	2.91	10.11	94	
G108	8/9/2023	9:45	0945	13.24		16	60.8	6.56	1000.1	1000.1	1.93	5.8	58.9	
G108	8/9/2023	9:48	0948	13.24		16	60.8	6.68	999.2	999.2	2.06	6.07	55.9	

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-008A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G109	8/9/2023	10:04	1004	13.64		15.7	60.26	6.8	1258	1258	1.49	32.33	114.6	
G109	8/9/2023	10:07	1007	13.64		15.7	60.26	6.8	1260.4	1260.4	1.57	33.1	114.2	
G109	8/9/2023	10:10	1010	13.64		15.7	60.26	6.81	1261	1261	1.57	33.29	114.5	

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-009A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G110	8/9/2023	10:22	1022	14.16		16	60.8	6.74	1204.2	1204.2	1.46	9.43	124.7	
G110	8/9/2023	10:25	1025	14.16		16.1	60.98	6.73	1209.9	1209.9	1.26	7.1	123	
G110	8/9/2023	10:28	1028	14.16		16.1	60.98	6.73	1210.9	1210.9	1.33	9.14	121	

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-010A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G111	8/9/2023	10:41	1041	14.95		16.1	60.98	7.04	1228.8	1228.8	2.3	9.47	138.4	
G111	8/9/2023	10:44	1044	14.95		16.2	61.16	6.96	1181.1	1181.1	1.36	5.44	135.7	
G111	8/9/2023	10:47	1047	14.95		16.2	61.16	6.94	1179.7	1179.7	1.17	4.94	135	

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-011A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G119	8/9/2023	11:26	1126	15.65		16.4	61.52	7.12	943.7	943.7	2.4	14.31	151	
G119	8/9/2023	11:29	1129	15.65		16.5	61.7	7.1	941.1	941.1	2	15.55	151.2	
G119	8/9/2023	11:32	1132	15.65		16.4	61.52	7.1	942.6	942.6	1.69	18.75	150.9	

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-012A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G120	8/9/2023	11:43	1143	16.31		18.6	65.48	7.25	1101.7	1101.7	7.77	9.79	158.4	
G120	8/9/2023	11:46	1146	16.31		16.4	61.52	7.07	1167	1167	3.91	9.91	160.2	
G120	8/9/2023	11:49	1149	16.31		16.4	61.52	6.99	1168.8	1168.8	3.79	16.25	160.6	

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-013A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G121	8/9/2023	12:10	1210	18.4		16.4	61.52	6.92	1262.7	1262.7	3.63	21.19	164.7	
G121	8/9/2023	12:13	1213	18.4		16.4	61.52	6.89	1270.5	1270.5	3.03	16.92	165.2	
G121	8/9/2023	12:16	1216	18.4		16.4	61.52	6.89	1274	1274	2.4	13.09	164.8	
G121	8/9/2023	12:19	1219	18.4		16.2	61.16	6.89	1274.6	1274.6	2.07	11.92	164.3	

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-014A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G122	8/9/2023	12:31	1231	19.54		16.7	62.06	7.06	1668.6	1668.6	4.74	9.44	170.9	
G122	8/9/2023	12:34	1234	19.54		15.6	60.08	6.84	1609.6	1609.6	2.32	6.21	171.1	
G122	8/9/2023	12:37	1237	19.54		15.5	59.9	6.77	1614.8	1614.8	2.21	9.19	171.1	

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-015A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G123	8/9/2023	12:51	1251	18.57		15.6	60.08	7.03	1264.1	1264.1	2.42	9.84	134.5	
G123	8/9/2023	12:54	1254	18.57		15.3	59.54	7.02	1280.7	1280.7	1.66	7.4	128.4	
G123	8/9/2023	12:57	1257	18.57		15.3	59.54	7.01	1275	1275	1.51	10.26	124.7	

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-016A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G124	8/9/2023	13:07	1307	18.49		18.4	65.12	7.37	1097.8	1097.8	8.04	9.42	132.6	
G124	8/9/2023	13:10	1310	18.49		15.5	59.9	7.15	1162.7	1162.7	1.95	6.84	138.4	
G124	8/9/2023	13:13	1313	18.49		15.5	59.9	7.09	1147.8	1147.8	2.72	8.55	139.3	

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-017A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G125	8/9/2023	13:21	1321	18.53		16	60.8	7.25	1190.5	1190.5	6.06	4.87	149	
G125	8/9/2023	13:24	1324	18.53		15.4	59.72	7.16	1172.5	1172.5	4.27	3.44	151.3	
G125	8/9/2023	13:27	1327	18.53		15.5	59.9	7.15	1161.3	1161.3	4.64	7.25	151.9	

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-018A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G126	8/9/2023	13:55	1355	10.93		16.7	62.06	7.27	1186.8	1186.8	4.06	5.74	146.7	
G126	8/9/2023	13:58	1358	10.93		16.2	61.16	7.09	1184.8	1184.8	1.79	5.07	146.4	
G126	8/9/2023	14:01	1401	10.93		16.5	61.7	7.05	1178.4	1178.4	2.17	4.66	145.9	

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-019A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G151	8/10/2023	10:04	1004	12.22		16.1	60.98	7.15	1228.9	1228.9	1.99	9.9	120.9	
G151	8/10/2023	10:07	1007	12.22		16	60.8	7.14	1213.3	1213.3	2	6.01	119.4	
G151	8/10/2023	10:10	1010	12.22		16.2	61.16	7.14	1214.2	1214.2	2.04	3.34	119	

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-020A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G152	8/10/2023	12:03	1203	12.4		15.8	60.44	7.07	1157.3	1157.3	1.03	110.81	19.2	
G152	8/10/2023	12:06	1206	12.4		15.8	60.44	7.05	1174	1174	1.28	139.26	21.3	
G152	8/10/2023	12:09	1209	12.4		16	60.8	7	1257.2	1257.2	1.45	303.89	22.6	

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-021A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G153	8/10/2023	11:32	1132	13.08		16.7	62.06	6.71	5483.7	5483.7	1.05	10.62	4.5	
G153	8/10/2023	11:35	1135	13.08		16.7	62.06	6.72	5445.8	5445.8	1.01	7.56	2.2	
G153	8/10/2023	11:38	1138	13.08		16.7	62.06	6.73	5394.8	5394.8	0.97	6.15	3.8	

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-022A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G154	8/10/2023	11:04	1104	14.6		16.2	61.16	7.31	893.8	893.8	2.47	33.54	120.1	
G154	8/10/2023	11:07	1107	14.6		16.2	61.16	7.3	892.2	892.2	2.74	20.46	120.9	
G154	8/10/2023	11:10	1110	14.6		16.3	61.34	7.31	889.8	889.8	3	14.72	121.6	
G154	8/10/2023	11:13	1113	14.6		16.2	61.16	7.3	890.8	890.8	2.84	12.36	122.2	

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-023A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G155	8/10/2023	10:40	1040	13.21		16.8	62.24	7.17	1217	1217	2.76	17.69	113.4	
G155	8/10/2023	10:43	1043	13.21		16.7	62.06	7.17	1217.6	1217.6	2.39	140.66	114.7	
G155	8/10/2023	10:46	1046	13.21		16.6	61.88	7.16	1219.7	1219.7	2.01	448.4	115.8	

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-024A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G200														

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-025A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G206	8/14/2023	11:46	1146	13.89		15.9	60.62	6.96	1122.7	1122.7	1.67	5.91	-149.1	
G206	8/14/2023	11:49	1149	13.89		16	60.8	6.93	1123.5	1123.5	1.04	3.68	-184.6	
G206	8/14/2023	11:52	1152	13.89		16.1	60.98	6.93	1115.4	1115.4	0.9	3.11	-187.9	

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-026A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G206D	8/14/2023	11:28	1128	30.04		15.8	60.44	6.84	1388.1	1388.1	1.39	4.34	50.3	
G206D	8/14/2023	11:31	1131	30.04		15.5	59.9	6.88	1387.9	1387.9	0.78	9.25	-16.9	
G206D	8/14/2023	11:34	1134	30.04		15.4	59.72	6.94	1384.2	1384.2	0.66	6.89	-48.1	

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-027A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G207	8/15/2023	9:07	0907	14.2		16.4	61.52	6.34	1135.2	1135.2	1.87	53.97	130	
G207	8/15/2023	9:10	0910	14.2		17.2	62.96	6.52	1136	1136	1.58	43.29	104.6	
G207	8/15/2023	9:13	0913	14.2		17.5	63.5	6.61	1136.7	1136.7	1.47	41.59	88.1	

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-028A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G208	8/14/2023	11:03	1103	14.08		15.8	60.44	7.05	727.3	727.3	1.47	3.53	103.8	
G208	8/14/2023	11:06	1106	14.08		15.9	60.62	6.95	727.1	727.1	1.32	3.1	105.3	
G208	8/14/2023	11:09	1109	14.08		16	60.8	6.91	726.4	726.4	1.45	1.82	106.5	

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-029A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G209	8/14/2023	10:40	1040	13.79		15.6	60.08	6.66	1645.8	1645.8	1.46	7.11	131.7	
G209	8/14/2023	10:43	1043	13.79		15.5	59.9	6.61	1636.6	1636.6	0.89	3.46	103.7	
G209	8/14/2023	10:46	1046	13.79		15.4	59.72	6.6	1635.8	1635.8	0.78	3.09	83.7	

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-030A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G210	8/14/2023	10:23	1023	13.27		16.5	61.7	7.77	1196.4	1196.4	2.85	5.79	90.9	
G210	8/14/2023	10:26	1026	13.27		15.9	60.62	7.1	1181.6	1181.6	1.92	5.48	119.8	
G210	8/14/2023	10:29	1029	13.27		15.9	60.62	6.92	1180.2	1180.2	1.19	5.18	131.1	

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-031A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G211	8/14/2023	12:27	1227	13.44		15.7	60.26	6.91	1065.1	1065.1	0.66	27.41	20.1	
G211	8/14/2023	12:30	1230	13.44		15.8	60.44	6.91	1063.8	1063.8	0.63	23.39	18.5	
G211	8/14/2023	12:33	1233	13.44		15.7	60.26	6.9	1065.8	1065.8	0.6	18.82	17.2	
G211	8/14/2023	12:36	1236	13.44		15.6	60.08	6.9	1067.1	1067.1	0.59	16.82	16.2	

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-032A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G212	8/10/2023	15:22	1522	14.61		19.6	67.28	7.32	911	911	6.18	4.44	73.8	
G212	8/10/2023	15:25	1525	14.61		18	64.4	7.27	910.5	910.5	3.6	3.83	63	
G212	8/10/2023	15:28	1528	14.61		17.6	63.68	7.22	905.7	905.7	2.95	3.86	68.2	

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-033A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G213	8/10/2023	15:02	1502	15.05		19.7	67.46	7.46	904.7	904.7	4.43	8.09	100.3	
G213	8/10/2023	15:05	1505	15.05		17.8	64.04	7.25	884.7	884.7	2.24	9.85	101.4	
G213	8/10/2023	15:08	1508	15.05		17.6	63.68	7.16	876.7	876.7	1.78	7.43	101.6	

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-034A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G214	8/10/2023	14:35	1435	17.64		20	68	7.7	1212.2	1212.2	6.38	7.07	106.5	
G214	8/10/2023	14:44	1444	17.64		17.5	63.5	7.17	1219.9	1219.9	1.31	9.91	94	
G214	8/10/2023	14:47	1447	17.64		17.6	63.68	7.14	1219.2	1219.2	1.2	6.04	91.6	
G214	8/10/2023	14:50	1450	17.64		17.6	63.68	7.13	1224.7	1224.7	1.1	6.04	89.7	

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-035A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G215	8/10/2023	14:07	1407	17.22		15.6	60.08	6.98	2335	2335	0.82	22.1	100.4	
G215	8/10/2023	14:10	1410	17.22		15.6	60.08	6.97	2325.4	2325.4	0.77	14.5	98.2	
G215	8/10/2023	14:13	1413	17.22		15.5	59.9	6.96	2325	2325	0.77	11.05	95.5	
G215	8/10/2023	14:16	1416	17.22		15.6	60.08	6.95	2327	2327	0.71	8.26	92.7	

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-036A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G216	8/10/2023	13:41	1341	16.51		17.2	62.96	6.97	2897.4	2897.4	1.9	9.91	45.9	
G216	8/10/2023	13:44	1344	16.51		17	62.6	6.95	2892.3	2892.3	1.57	4.78	27.1	
G216	8/10/2023	13:47	1347	16.51		16.5	61.7	6.95	2888.5	2888.5	1.35	4.01	17	

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-037A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G217	8/10/2023	13:19	1319	18.29		15.6	60.08	6.94	1964.3	1964.3	1.35	12.87	82.7	
G217	8/10/2023	13:22	1322	18.29		15.7	60.26	6.93	1968.7	1968.7	1.17	8.77	79.7	
G217	8/10/2023	13:25	1325	18.29		15.6	60.08	6.92	1968.2	1968.2	1.03	7.19	77.1	

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-038A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G218	8/10/2023	12:47	1247	16.98		15.5	59.9	7.04	1902.4	1902.4	1.12	18.46	96.6	
G218	8/10/2023	12:50	1250	16.98		15.4	59.72	6.97	1956.1	1956.1	0.94	21.41	82.3	
G218	8/10/2023	12:53	1253	16.98		15.2	59.36	6.94	1995.5	1995.5	0.76	22.07	70.1	

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-039A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G270	8/14/2023	13:39	1339	8.52		15.5	59.9	6.89	936.9	936.9	1.87	10	77.5	
G270	8/14/2023	13:42	1342	8.52		15.3	59.54	6.86	936.3	936.3	1.81	6.53	77.6	
G270	8/14/2023	13:45	1345	8.52		15.2	59.36	6.84	935.7	935.7	1.64	5.26	77.7	

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-040A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G271	8/14/2023	13:09	1309	11.2		17.2	62.96	6.98	1164.4	1164.4	3.24	5.25	76.5	
G271	8/14/2023	13:12	1312	11.2		17.4	63.32	7	1169.4	1169.4	3.65	12.7	76	
G271	8/14/2023	13:15	1315	11.2		17.2	62.96	6.97	1187.5	1187.5	3.16	10.18	75.2	

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-041A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G272	8/14/2023	14:05	1405	10.55		17.6	63.68	6.93	1838.7	1838.7	1.47	9.39	92.7	
G272	8/14/2023	14:08	1408	10.55		17.9	64.22	6.9	1617.7	1617.7	1.64	4.03	90.7	
G272	8/14/2023	14:11	1411	10.55		18	64.4	6.9	1619.9	1619.9	1.98	3.07	90.4	

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-042A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G273	8/14/2023	14:26	1426	11.56		16.9	62.42	6.89	2069.2	2069.2	1.56	9.28	107.1	
G273	8/14/2023	14:29	1429	11.56		16.7	62.06	6.79	2047.3	2047.3	1.21	3.98	104.7	
G273	8/14/2023	14:32	1432	11.56		16.6	61.88	6.76	2056.1	2056.1	1.06	2.18	102.8	

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-043A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G274	8/14/2023	11:54	1154	14.99		15.8	60.44	7.9	1491.8	1491.8	2.2	6.95	-9.1	
G274	8/14/2023	11:57	1157	14.99		15.7	60.26	7.65	1612.6	1612.6	2.33	12.33	-4.6	
G274	8/14/2023	12:00	1200	14.99		15.6	60.08	7.53	1691.3	1691.3	2.16	9.78	-1.2	

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-044A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G275														

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-045A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G275D	8/14/2023	11:13	1113	31.27		15.7	60.26	7.46	2485.3	2485.3	0.68	12.48	-119.1	
G275D	8/14/2023	11:16	1116	31.27		15.5	59.9	7.48	2483.4	2483.4	0.57	14.4	-124.5	
G275D	8/14/2023	11:19	1119	31.27		15.6	60.08	7.51	2485.7	2485.7	0.54	14.23	-132	

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-046A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G276	8/14/2023	12:29	1229	27.75		15.6	60.08	7.2	2217.8	2217.8	2.87	4.4	32.3	
G276	8/14/2023	12:32	1232	27.75		16	60.8	7.17	2200.8	2200.8	1.85	4.67	33.5	
G276	8/14/2023	12:35	1235	27.75		16.2	61.16	7.16	2193.7	2193.7	1.6	9.03	33.6	

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-047A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G277														

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-048A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G278														

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-049A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G279														

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-050A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G280	8/14/2023	14:52	1452	5.8		15.4	59.72	7.46	1477.7	1477.7	1.01	9.56	30.9	
G280	8/14/2023	14:55	1455	5.8		15.5	59.9	7.46	1477.3	1477.3	1	8.83	30.9	
G280	8/14/2023	14:58	1458	5.8		15.5	59.9	7.45	1479.7	1479.7	1.01	8.52	30.9	

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-051A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G281	8/14/2023	16:00	1600	6.39		18.7	65.66	6.8	1731.6	1731.6	0.94	9.75	101.3	
G281	8/14/2023	16:03	1603	6.39		18.5	65.3	6.78	1736.2	1736.2	1.34	6.54	101.3	
G281	8/14/2023	16:06	1606	6.39		18.6	65.48	6.76	1742.6	1742.6	1.74	6.36	101.6	

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-052A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G283	8/15/2023	11:33	1133	7.45		14.8	58.64	7.11	2101.1	2101.1	0.62	36.1	-59.5	
G283	8/15/2023	11:36	1136	7.45		14.8	58.64	7.09	2102.7	2102.7	0.58	21.89	-63.6	
G283	8/15/2023	11:39	1139	7.45		14.8	58.64	7.07	2101.1	2101.1	0.55	13.24	-66	
G283	8/15/2023	11:42	1142	7.45		14.8	58.64	7.07	2100.6	2100.6	0.53	10.82	-68.9	
G283	8/15/2023	11:45	1145	7.45		14.8	58.64	7.07	2098.9	2098.9	0.53	10.21	-71	

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-053A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G284	8/15/2023	10:04	1004	12.28		17	62.6	7.12	1951.8	1951.8	4.74	10.72	125.6	
G284	8/15/2023	10:07	1007	12.28		17	62.6	7.15	1942.5	1942.5	4.22	6.97	125.9	
G284	8/15/2023	10:10	1010	12.28		17	62.6	7.16	1930.2	1930.2	4.05	6.02	126.4	

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-054A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G285	8/15/2023	10:58	1058	8.44		14.2	57.56	6.89	3444.1	3444.1	1.08	27.01	94.5	
G285	8/15/2023	11:01	1101	8.44		14.2	57.56	6.75	3431.9	3431.9	0.76	11.43	64.2	
G285	8/15/2023	11:04	1104	8.44		14.3	57.74	6.72	3429.4	3429.4	0.69	7.32	54.2	

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-055A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G286														

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-056A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G287														

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-057A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G288														

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-058A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G301	8/9/2023	11:04	1104	8.11		16.6	61.88	6.41	2194	2194	0.48	24.34	-112.1	
G301	8/9/2023	11:07	1107	8.11		16.5	61.7	6.38	2195.7	2195.7	0.46	15.43	-104.8	
G301	8/9/2023	11:10	1110	8.11		16.5	61.7	6.37	2194.6	2194.6	0.45	11.43	-99.3	
G301	8/9/2023	11:13	1113	8.11		16.5	61.7	6.36	2193.8	2193.8	0.44	8.36	-95.6	

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-059A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G302	8/9/2023	11:46	1146	12.68		16.2	61.16	6.57	2678.9	2678.9	1.84	9.54	-106.5	
G302	8/9/2023	11:49	1149	12.68		16.1	60.98	6.5	2450.4	2450.4	1.76	9.49	-96.7	
G302	8/9/2023	11:52	1152	12.68		16.1	60.98	6.49	2450.7	2450.7	2.3	11.49	-87.1	
G302	8/9/2023	11:55	1155	12.68		16	60.8	6.49	2460.5	2460.5	2.22	8.1	-79.8	

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-060A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G303	8/9/2023	15:11	1511	8.4		15.5	59.9	6.79	3732	3732	2.14	20	-82.7	
G303	8/9/2023	15:14	1514	8.4		15.5	59.9	6.79	3715.9	3715.9	1.99	28.48	-87.5	
G303	8/9/2023	15:17	1517	8.4		15.6	60.08	6.81	3707.9	3707.9	2.25	30.54	-92.1	
G303	8/9/2023	15:20	1520	8.4		15.5	59.9	6.8	3749	3749	2.2	41.55	-90.6	
G303	8/9/2023	15:23	1523	8.4		15.5	59.9	6.81	3723.9	3723.9	2.09	39.09	-91.2	
G303	8/9/2023	15:26	1526	8.4		15.4	59.72	6.8	3751	3751	2.18	43.08	-90.7	

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-061A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G305	8/10/2023	12:24	1224	9.19		15.9	60.62	7.3	3258.4	3258.4	1.63	11.05	-88.9	
G305	8/10/2023	12:27	1227	9.19		15.4	59.72	7.31	3222.1	3222.1	1.57	16.3	-62.1	
G305	8/10/2023	12:30	1230	9.19		15.4	59.72	7.3	3223.4	3223.4	1.51	15.19	-51.9	
G305	8/10/2023	12:33	1233	9.19		15.4	59.72	7.29	3222.7	3222.7	1.66	14.92	-45.3	
G305	8/10/2023	12:36	1236	9.19		15.4	59.72	7.3	3225.9	3225.9	1.76	13.09	-41.1	

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-062A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G306	8/10/2023	10:16	1016	9.7		14.7	58.46	6.39	1088.6	1088.6	2.02	7.53	128.4	
G306	8/10/2023	10:19	1019	9.7		14.7	58.46	6.26	1249	1249	1.85	8.72	136.5	
G306	8/10/2023	10:22	1022	9.7		14.7	58.46	6.21	1242.2	1242.2	2.02	8.6	140.3	
G306	8/10/2023	10:25	1025	9.7		14.7	58.46	6.18	1237.1	1237.1	2.22	11.73	142.3	
G306	8/10/2023	10:28	1028	9.7		14.6	58.28	6.19	1255.4	1255.4	1.92	34.88	143.6	
G306	8/10/2023	10:31	1031	9.7		14.5	58.1	6.17	1236.5	1236.5	1.53	92.43	144.1	
G306	8/10/2023	10:45	1045	9.7		15	59	6.24	1280	1280	2.93	693.42	136.5	
G306	8/10/2023	10:49	1049	9.7		14.6	58.28	6.16	1198.4	1198.4	2.57	452.13	138.6	
G306	8/10/2023	10:52	1052	9.7		14.6	58.28	6.15	1196.3	1196.3	2.84	419.38	140.4	
G306	8/10/2023	10:55	1055	9.7		14.6	58.28	6.14	1204.2	1204.2	2.77	359.89	141.5	
G306	8/10/2023	10:58	1058	9.7		14.6	58.28	6.15	1211	1211	2.74	332.08	141.7	
G306	8/10/2023	11:01	1101	9.7		14.5	58.1	6.16	1217.8	1217.8	2.76	320.29	142.7	

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-063A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G307														

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-064A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G307D	8/10/2023	12:06	1206	7.89		19.9	67.82	7.16	2582.9	2582.9	0.82	23.53	-64.9	
G307D	8/10/2023	12:09	1209	7.89		19.8	67.64	7.17	2580.5	2580.5	0.8	22.16	-67.4	
G307D	8/10/2023	12:12	1212	7.89		19.8	67.64	7.17	2580.7	2580.7	0.79	19.76	-70.2	

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-065A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G308	8/10/2023	12:54	1254	5.09		16.5	61.7	7.27	3513.5	3513.5	0.55	18.37	1.6	
G308	8/10/2023	12:57	1257	5.09		16.3	61.34	7.26	3507.1	3507.1	0.51	10.97	-1.3	
G308	8/10/2023	13:00	1300	5.09		16.2	61.16	7.26	3503.9	3503.9	0.49	8.98	-3	

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-066A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G309														

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-067A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G310	8/9/2023	10:27	1027	10.3		15.5	59.9	6.95	2641.3	2641.3	0.52	1.84	95	
G310	8/9/2023	10:30	1030	10.3		15.4	59.72	6.86	2642.9	2642.9	0.5	1.33	97.6	
G310	8/9/2023	10:33	1033	10.3		15.5	59.9	6.81	2640.2	2640.2	0.49	1.27	98.9	
G310	8/9/2023	10:36	1036	10.3		15.5	59.9	6.78	2641.5	2641.5	0.48	1.13	99.4	

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-068A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G312	8/9/2023	12:19	1219	14		16.7	62.06	6.08	3296.9	3296.9	0.6	20.31	2.3	
G312	8/9/2023	12:22	1222	14		16.7	62.06	6.08	3524.2	3524.2	0.56	14.91	3.5	
G312	8/9/2023	12:25	1225	14		16.7	62.06	6.08	3722.4	3722.4	0.54	10.85	3.9	
G312	8/9/2023	12:28	1228	14		16.6	61.88	6.1	3871.4	3871.4	0.53	8.2	3.4	

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-069A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G313	8/9/2023	14:03	1403	3.01		18.1	64.58	6.69	3374.1	3374.1	0.48	21.91	-37.9	
G313	8/9/2023	14:03	1403	3.01		18.1	64.58	6.69	3374.6	3374.6	0.48	21.57	-37.9	
G313	8/9/2023	14:06	1406	3.01		18.1	64.58	6.69	3374.6	3374.6	0.46	13.72	-37.6	
G313	8/9/2023	14:09	1409	3.01		18.1	64.58	6.68	3375.9	3375.9	0.45	12.4	-37	
G313	8/9/2023	14:12	1412	3.01		18.1	64.58	6.68	3376.8	3376.8	0.44	9.32	-36.3	

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-070A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G314	8/9/2023	14:27	1427	4.88		16.1	60.98	6.39	6749	6749	0.57	10.35	-43.1	
G314	8/9/2023	14:27	1427	4.88		16.2	61.16	6.39	6747.9	6747.9	0.56	11.92	-42.3	
G314	8/9/2023	14:30	1430	4.88		16.4	61.52	6.39	6710.6	6710.6	0.47	50.38	-39.7	
G314	8/9/2023	14:33	1433	4.88		16.7	62.06	6.39	6681.4	6681.4	0.45	2.24	-41.1	

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-071A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G314D	8/9/2023	14:47	1447	7.78		15.1	59.18	6.76	5244.2	5244.2	0.67	21.77	-28.7	
G314D	8/9/2023	14:50	1450	7.78		15.2	59.36	6.78	5239.2	5239.2	0.91	11.63	-39.8	
G314D	8/9/2023	14:53	1453	7.78		15.1	59.18	6.8	5231.5	5231.5	0.64	9.63	-45.2	

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-072A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G315	8/10/2023	11:23	1123	3.5		16	60.8	6.65	2601.7	2601.7	0.88	19.13	106.9	
G315	8/10/2023	11:26	1126	3.5		15.8	60.44	6.67	2599.3	2599.3	0.8	13.24	103.3	
G315	8/10/2023	11:29	1129	3.5		16.1	60.98	6.69	2599.6	2599.6	0.81	9.22	98.2	

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-073A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G316	8/9/2023	13:31	1331	11.7		16.3	61.34	6.73	3672.4	3672.4	0.5	12.06	-105.6	
G316	8/9/2023	13:34	1334	11.7		16.3	61.34	6.73	3692.6	3692.6	0.49	1.51	-108.8	
G316	8/9/2023	13:37	1337	11.7		16.2	61.16	6.74	3701.7	3701.7	0.51	39.31	-111.3	
G316	8/9/2023	13:40	1340	11.7		16.2	61.16	6.73	3728.2	3728.2	0.69	20.35	-112.5	
G316	8/9/2023	13:43	1343	11.7		16.1	60.98	6.73	3742.6	3742.6	0.53	9.87	-114.1	

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-074A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G317														

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-075A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G401	8/11/2023	11:13	1113	21.75		18	64.4	6.05	4939.5	4939.5	0.63	24.54	-33.5	
G401	8/11/2023	11:16	1116	21.75		17.8	64.04	6.04	4940.7	4940.7	0.58	31.39	-32.7	
G401	8/11/2023	11:19	1119	21.75		17.5	63.5	6.02	4931	4931	0.54	18.56	-31.8	
G401	8/11/2023	11:22	1122	21.75		17.5	63.5	5.98	4906.9	4906.9	0.5	6.79	-29.8	

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-076A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G402	8/11/2023	12:00	1200	11.65		18.1	64.58	7.23	2804	2804	7.91	72.7	11.9	
G402	8/11/2023	12:03	1203	11.65		18	64.4	7.26	2815.2	2815.2	8.01	63.45	16.1	
G402	8/11/2023	12:06	1206	11.65		18	64.4	7.28	2827.4	2827.4	8.16	63.86	19.9	
G402	8/11/2023	12:09	1209	11.65		18.1	64.58	7.29	2822.2	2822.2	8.19	80.95	23.1	

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-077A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G403	8/11/2023	10:39	1039	7.45		18.6	65.48	7.06	1162.3	1162.3	2.83	19.03	-0.6	
G403	8/11/2023	10:42	1042	7.45		19.3	66.74	7.06	1165.5	1165.5	3.02	19.35	-5.8	
G403	8/11/2023	10:45	1045	7.45		19.1	66.38	7.08	1168.4	1168.4	3.03	17.35	-7.7	
G403	8/11/2023	10:48	1048	7.45		18.7	65.66	7.09	1167.5	1167.5	3.03	15.43	-8.1	
G403	8/11/2023	10:51	1051	7.45		18.7	65.66	7.09	1168.7	1168.7	3.06	8.33	-7.6	

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-078A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G404	8/14/2023	15:40	1540	5.62		19.3	66.74	6.83	2672.4	2672.4	0.49	9.46	67.3	
G404	8/14/2023	15:43	1543	5.62		19.4	66.92	6.79	2762.4	2762.4	0.47	7.19	67.3	
G404	8/14/2023	15:46	1546	5.62		19.4	66.92	6.77	2818.9	2818.9	0.48	5.21	65.9	

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-079A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G405	8/11/2023	12:32	1232	6.85		18.9	66.02	7.29	3092.5	3092.5	2.1	11.87	-16.2	
G405	8/11/2023	12:35	1235	6.85		18.5	65.3	7.16	3317.3	3317.3	2.07	11.46	-25.5	
G405	8/11/2023	12:38	1238	6.85		18.3	64.94	7.11	3374.9	3374.9	1.98	7.74	-24.2	
G405	8/11/2023	12:41	1241	6.85		18.2	64.76	7.09	3392.5	3392.5	1.83	4.72	-21.4	

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-080A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G406	8/11/2023	10:04	1004	11.49		18.9	66.02	6.87	2309.5	2309.5	3.86	6.51	69	
G406	8/11/2023	10:07	1007	11.49		19.7	67.46	6.83	2313.5	2313.5	3.91	6.63	74.4	
G406	8/11/2023	10:10	1010	11.49		17.7	63.86	6.77	2296.2	2296.2	2.45	3.59	78.5	
G406	8/11/2023	10:13	1013	11.49		16.9	62.42	6.73	2273.7	2273.7	2.27	4.1	80.7	

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-081A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G407	8/10/2023	14:23	1423	8.79		19	66.2	6.83	4020.7	4020.7	0.84	11.83	10.4	
G407	8/10/2023	14:26	1426	8.79		18.9	66.02	6.84	3951.6	3951.6	0.86	11.76	10.6	
G407	8/10/2023	14:29	1429	8.79		19	66.2	6.84	3963	3963	0.84	12.12	11.1	
G407	8/10/2023	14:32	1432	8.79		19.2	66.56	6.83	3982.7	3982.7	0.8	9.8	11.6	

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-082A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G410	8/10/2023	14:49	1449	9.66		17.7	63.86	6.81	2562.9	2562.9	1.52	3.64	1.9	
G410	8/10/2023	14:52	1452	9.66		18.6	65.48	6.66	2248.1	2248.1	1.87	3.07	4.3	
G410	8/10/2023	14:55	1455	9.66		18.8	65.84	6.62	2282.9	2282.9	1.98	2.88	4.4	
G410	8/10/2023	14:58	1458	9.66		19	66.2	6.64	2343.6	2343.6	2.04	2.71	-0.5	

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-083A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G411	8/10/2023	15:15	1515	8.69		15.7	60.26	7.74	1499.2	1499.2	1.08	9.27	-3.3	
G411	8/10/2023	15:18	1518	8.69		15.7	60.26	7.51	1581.1	1581.1	0.68	3.93	-0.2	
G411	8/10/2023	15:21	1521	8.69		15.7	60.26	7.44	1620.3	1620.3	0.6	4.1	-0.3	
G411	8/10/2023	15:24	1524	8.69		15.7	60.26	7.42	1631.5	1631.5	0.55	4.3	-1.2	

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-084A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G1001														

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-085A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G1003														

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-086A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
L203														

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-087A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
MW03D														

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-088A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
MW11D														

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-089A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
MW11S														

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-090A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
MW12D														

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-091A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
MW16D														

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-092A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
MW16S														

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-093A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
MW20S														

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-094A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
NE RISER	8/15/2023	13:06	1306	NA		23.7	74.66	5.33	29297	29297	3.75	10.35	240.9	
NE RISER	8/15/2023	13:09	1309	NA		19.5	67.1	6.84	28434.9	28434.9	0.7	5.81	197.2	
NE RISER	8/15/2023	13:12	1312	NA		19.2	66.56	7	28401.7	28401.7	0.56	4.66	178	

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-095A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
R104	8/10/2023	8:34	0834	10.45		16.8	62.24	6.87	1062	1062	3.23	8.51	174.2	
R104	8/10/2023	8:37	0837	10.45		16.4	61.52	7.07	1038.4	1038.4	2.3	2.65	169	
R104	8/10/2023	8:40	0840	10.45		16.6	61.88	7.08	1035	1035	2.5	2.45	167.4	

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-096A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
R201														

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-097A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
R205	8/14/2023	15:19	1519	9.69		16.6	61.88	6.65	1849.9	1849.9	1.01	34.9	95.6	
R205	8/14/2023	15:22	1522	9.69		16.5	61.7	6.57	1853.9	1853.9	0.92	19.73	95.4	
R205	8/14/2023	15:25	1525	9.69		16.4	61.52	6.55	1853.1	1853.1	0.92	12.62	94.3	
R205	8/14/2023	15:28	1528	9.69		16.5	61.7	6.54	1850.3	1850.3	0.95	9.72	92.8	
R205	8/14/2023	15:31	1531	9.69		16.5	61.7	6.54	1844.1	1844.1	1.09	9.27	91.4	
R205	8/14/2023	15:34	1534	9.69		16.4	61.52	6.54	1844.8	1844.8	1.09	8.29	90.1	

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-098A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
SG-02														

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-099A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
SG-03														

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-100A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
SG-04														

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-101A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
T127	8/9/2023	11:01	1101	15.2		16.1	60.98	7.13	1054.2	1054.2	3.66	6.95	147.7	
T127	8/9/2023	11:04	1104	15.2		15.7	60.26	7	1055.3	1055.3	1.36	11.77	147.9	
T127	8/9/2023	11:07	1107	15.2		15.7	60.26	6.97	1057.7	1057.7	0.9	8.05	147.5	

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-102A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
T128	8/9/2023	14:10	1410	14.8		16.2	61.16	7.21	953	953	4.65	7.56	148.6	
T128	8/9/2023	14:13	1413	14.8		15.6	60.08	7.06	952.6	952.6	2.44	11.6	145.5	
T128	8/9/2023	14:16	1416	14.8		15.6	60.08	7.02	949.2	949.2	1.84	2.6	142	

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-103A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
X201	8/15/2023	12:53	1253			26.2	79.16	4.39	37586.6	37586.6	7.66	5.41	229.1	

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-104A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
XPW01	8/10/2023	13:16	1316	5.29		18.5	65.3	7.56	2395.6	2395.6	0.59	13.77	-67.7	
XPW01	8/10/2023	13:19	1319	5.29		18.4	65.12	7.63	2407.1	2407.1	0.5	5.03	-90.6	
XPW01	8/10/2023	13:22	1322	5.29		18.3	64.94	7.66	2416.6	2416.6	0.47	3.47	-103.6	

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-105A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
XPW02	8/10/2023	13:39	1339	10.3		18.7	65.66	7.58	1247.1	1247.1	0.54	8.94	-93.1	
XPW02	8/10/2023	13:42	1342	10.3		18.7	65.66	7.58	1283.6	1283.6	0.49	4.02	-104.6	
XPW02	8/10/2023	13:45	1345	10.3		18.7	65.66	7.58	1281.9	1281.9	0.46	2.61	-111.2	

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-106A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
XSG-01														

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-107A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
FB														

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-108A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G102 DUP	8/9/2023	15:01	1501	10.3		17.3	63.14	7.45	880.9	880.9	4.82	7.47	148.4	
G102 DUP	8/9/2023	15:04	1504	10.3		15.8	60.44	7.27	1192	1192	1.33	20.67	157.6	
G102 DUP	8/9/2023	15:07	1507	10.3		15.9	60.62	7.25	1155.5	1155.5	1.09	10.94	156.2	

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-109A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G200 DUP														

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-110A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G273 DUP	8/14/2023	14:26	1426	11.6		16.9	62.42	6.89	2069.2	2069.2	1.56	9.28	107.1	
G273 DUP	8/14/2023	14:29	1429	11.6		16.7	62.06	6.79	2047.3	2047.3	1.21	3.98	104.7	
G273 DUP	8/14/2023	14:32	1432	11.6		16.6	61.88	6.76	2056.1	2056.1	1.06	2.18	102.8	

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-111A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G301 DUP	8/9/2023	11:04	1104	8.11		16.6	61.88	6.41	2194	2194	0.48	24.34	-112.1	
G301 DUP	8/9/2023	11:07	1107	8.11		16.5	61.7	6.38	2195.7	2195.7	0.46	15.43	-104.8	
G301 DUP	8/9/2023	11:10	1110	8.11		16.5	61.7	6.37	2194.6	2194.6	0.45	11.43	-99.3	
G301 DUP	8/9/2023	11:13	1113	8.11		16.5	61.7	6.36	2193.8	2193.8	0.44	8.36	-95.6	

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-112A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
R201 DUP														

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-113A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G308 (resample)	9/19/2023	10:54	1054	6.22		18.2	64.76	7.07	2183.5	2183.5	0.34	2.61	74.6	
G308 (resample)	9/19/2023	10:57	1057	6.22		18.2	64.76	7.08	2188.9	2188.9	0.27	2.5	68.8	
G308 (resample)	9/19/2023	11:00	1100	6.22		18.3	64.94	7.08	2190.4	2190.4	0.26	2.44	64.8	

Site Sampling Event	Coffeen 3Q
LIMS Workorder	23071810-114A
Technician	JC,JR

Groundwater Sampling Field Form - Groundwater Quality Parameters

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
x201 (resample)	9/19/2023	10:14	1014	35.29		23.2	73.76	5.04	24945.5	24945.5	8.66	2.01	205.7	
x201 (resample)	9/19/2023	10:16	1016	35.29		22.4	72.32	5.52	25006.5	25006.5	8.67	1.39	209.4	
x201 (resample)	9/19/2023	10:17	1017	35.29		22.3	72.14	5.71	24996.5	24996.5	8.73	10.1	209.5	

COFFEEN Power PLANT

Field Analysis Log

Cross Reference to Sample ID	Date mm/dd/yy	Time	Temp. C	pH Results Reading 1	pH Results Reading 2	pH Results CCV	Conductivity Range Factor	Conductivity Reading 1	Conductivity Reading 2	Other: DF	Other: Read1/units	Other: DF	Other: Read2/units
LCS	8/9/23	0940		7.10				1474					
CCV	↓	1007		6.99				1398					
LCS	8/10/23	0921		7.01				1413					
CCV	↓	1557		6.94				1506					
LCS	8/14/23	0937		7.07				1470					
CCV	↓	1441		6.98				1421					
CCV													

****** Field Meter ID for Temp, pH & Conductivity :** _____ **Lot #** _____

****** Field Meter ID for (** _____ **) :** _____ **Lot #** _____

	SW846	Std Methods		Lot #		Lot #		Lot #
Field Temp SOP 1156		2550 B	pH 4.0 Buffer		Conductivity Std.		Std.	
pH in the Field SOP 1152	9040B	4500-H B	pH 7.0 Buffer		Conductivity Std.		Std.	
Field Cond. SOP 1155	9050A	2510 B	pH 10.0 Buffer		Conductivity Std.		Std.	
Other: _____		8/9 5/10	pH LCS/LCSD ____		Conductivity LCS/LCSD ____		LCS/LCSD ____	

pH Calibration		Reading	Conductivity Calibration			Reading	units
	4.00	4.06 3.99	~~4.7K~~	µS	0-199.9		µS
Date:	7.00	7.10 7.01	1474	µS 1413	0-1999		µS
Time:	10.00	10.05 10.02		mS	0-19.99		mS

Field Analyst Sig & Date: 8/16/23

Reviewed By & Date: 8/11

Reviewed By & Date: 4.1

~~10.0~~ 10.07 10.08

Field Analyst Sig & Date: _____

Reviewed By & Date: _____

Reviewed By & Date: _____

Calibration	Reading
Std_____ Units _____	
Std_____ Units _____	
Std_____ Units _____	

Field Analyst Sig & Date: _____

Reviewed By & Date: _____

Reviewed By & Date: _____

Comments: 1470

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Field Analysis Log

Cross Reference to Sample ID	Date mm/dd/yy	Time	Temp. C	pH Results			Conductivity			Other: _____			
				Reading 1	Reading 2	LCSD	Range Factor	Reading 1	Reading 2	DF	Read1/units	DF	Read2/units
LCS	8-9-23	~~22.1~~ 0939	22.1		7.01			1422					
CCV	8-9-23	1613	23.1		7.00			1420					

****** Field Meter ID for Temp, pH & Conductivity :** _____

****** Field Meter ID for (_____) :** _____

	SW846	Std Methods		Lot #		Lot #		Lot #
Field Temp SOP 1156		2550 B	pH 4.0 Buffer		Conductivity Std. _____		_____ Std._____	
pH in the Field SOP 1152	9040B	4500-H B	pH 7.0 Buffer		Conductivity Std. _____		_____ Std._____	
Field Cond. SOP 1155	9050A	2510 B	pH 10.0 Buffer		Conductivity Std. _____		_____ Std._____	
Other: _____			pH LCS/LCSD __7___		Conductivity LCS/LCSD _____		_____ LCS/LCSD _____	

pH Calibration	Reading
Date: 8-9-23	4.01
	7.00
Time: 0921	10.00

Field Analyst Sig & Date: [signature] 8-9-23
Reviewed By & Date: _____
Reviewed By & Date: _____

Conductivity Calibration			Reading	units
_____	µS	0-199.9	_____	µS
_____	µS	0-1999	1413	µS
_____	mS	0-19.99	_____	mS

Field Analyst Sig & Date: [signature] 8-9-23
Reviewed By & Date: _____
Reviewed By & Date: _____

_____ Calibration	Reading
Std_____ Units _____	_____
Std_____ Units _____	_____
Std_____ Units _____	_____

Field Analyst Sig & Date: _____
Reviewed By & Date: _____
Reviewed By & Date: _____

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Comments:

Field Analysis Log

Cross Reference to Sample ID	Date mm/dd/yy	Time	Temp. C	pH Results			Conductivity			Other:			
				Reading 1	Reading 2	LCSD	Range Factor	Reading 1	Reading 2	DF	Read1/units	DF	Read2/units
LCS	8-10-23	0811	22.9		7.01			1421					
ccv	8-10-23	1555	23.1		7.02			1418					

**** Field Meter ID for Temp, pH & Conductivity : _____

**** Field Meter ID for (_____) : _____

	SW846	Std Methods		Lot #		Lot #		Lot #
Field Temp SOP 1156		2550 B	pH 4.0 Buffer		Conductivity Std.			Std.
pH in the Field SOP 1152	9040B	4500-H B	pH 7.0 Buffer		Conductivity Std.			Std.
Field Cond. SOP 1155	9050A	2510 B	pH 10.0 Buffer		Conductivity Std.			Std.
Other: _____			pH LCS/LCSD		Conductivity LCS/LCSD			LCS/LCSD

pH Calibration		Reading
	4.00	4.00
Date: 8-10-23	7.00	7.01
Time: 0753	10.00	9.99

Field Analyst Sig & Date: [signature] 8-10-23
Reviewed By & Date: _____
Reviewed By & Date: _____

Conductivity Calibration			Reading	units
_____	µS	0-199.9		µS
_____	µS	0-1999	1414	µS
_____	mS	0-19.99		mS

Field Analyst Sig & Date: [signature] 8-10-23
Reviewed By & Date: _____
Reviewed By & Date: _____

_____ Calibration		Reading
Std_____	Units _____	
Std_____	Units _____	
Std_____	Units _____	

Field Analyst Sig & Date: _____
Reviewed By & Date: _____
Reviewed By & Date: _____

Comments:

Field Analysis Log

Cross Reference to Sample ID	Date mm/dd/yy	Time	Temp. C	pH Results Reading 1	pH Results Reading 2	pH Results LCSD	Conductivity Range Factor	Conductivity Reading 1	Conductivity Reading 2	Other: DF	Other: Read1/units	Other: DF	Other: Read2/units
LCS	8-14-23	1024	21.8		7.01			1423					
CCV	8-14-23	1638	23.4		7.02			1421					

****** Field Meter ID for Temp, pH & Conductivity :** _____

****** Field Meter ID for (_____) :** _____

	SW846	Std Methods		Lot #		Lot #		Lot #
Field Temp SOP 1156		2550 B	pH 4.0 Buffer		Conductivity Std. _____		_____ Std._____	
pH in the Field SOP 1152	9040B	4500-H B	pH 7.0 Buffer		Conductivity Std. _____		_____ Std._____	
Field Cond. SOP 1155	9050A	2510 B	pH 10.0 Buffer		Conductivity Std. _____		_____ Std._____	
Other: _____			pH LCS/LCSD __7___		Conductivity LCS/LCSD _____		_____ LCS/LCSD _____	

pH Calibration

Date: 8-14-23
Time: 1026

	Reading
	4.02
	7.01
	10.01

Field Analyst Sig & Date: [signature] 8-14-23
Reviewed By & Date: _____
Reviewed By & Date: _____

Conductivity Calibration

			Reading	units
_____	µS	0-199.9		µS
_____	µS	0-1999	1413	µS
_____	mS	0-19.99		mS

Field Analyst Sig & Date: [signature] 8-14-23
Reviewed By & Date: _____
Reviewed By & Date: _____

_____ Calibration	Reading
Std_____ Units _____	_____
Std_____ Units _____	_____
Std_____ Units _____	_____

Field Analyst Sig & Date: _____
Reviewed By & Date: _____
Reviewed By & Date: _____

Comments:

Field Analysis Log

Cross Reference to Sample ID	Date mm/dd/yy	Time	Temp. C	pH Results Reading 1	pH Results Reading 2	pH Results LCSD	Conductivity Range Factor	Conductivity Reading 1	Conductivity Reading 2	Other: DF	Other: Read1/units	Other: DF	Other: Read2/units
LCS	8-14-23	10:48	24.03	7.03	7.04			1413					
CCV	8-14-23	1628	24.08	7.05	7.04			1418					

**** Field Meter ID for Temp, pH & Conductivity : _____

	SW846	Std Methods		Lot #
Field Temp SOP 1156		2550 B	pH 4.0 Buffer	
pH in the Field SOP 1152	9040B	4500-H B	pH 7.0 Buffer	
Field Cond. SOP 1155	9050A	2510 B	pH 10.0 Buffer	
Other: _____			pH LCS/LCSD 7	

**** Field Meter ID for (_____) : _____

	Lot #		Lot #
Conductivity Std. _____		Std. _____	
Conductivity Std. _____		Std. _____	
Conductivity Std. _____		Std. _____	
Conductivity LCS/LCSD _____		LCS/LCSD _____	

pH Calibration

Date: 8-14-23
Time: 10:03

	Reading
	4.01
	7.03
	10.01

Field Analyst Sig & Date: Brett Gillen 8-14-23
Reviewed By & Date: _____
Reviewed By & Date: _____

Conductivity Calibration

			Reading	units
_____	µS	0-199.9		µS
_____	µS	0-1999	1413	µS
_____	mS	0-19.99		mS

Field Analyst Sig & Date: Brett Gillen 8-14-23
Reviewed By & Date: _____
Reviewed By & Date: _____

_____ Calibration

		Reading
Std _____	Units _____	
Std _____	Units _____	
Std _____	Units _____	

Field Analyst Sig & Date: _____
Reviewed By & Date: _____
Reviewed By & Date: _____

Comments:

Field Analysis Log

Cross Reference to Sample ID	Date mm/dd/yy	Time	Temp. C	pH Results Reading 1	pH Results Reading 2	pH Results LCSD	Conductivity Range Factor	Conductivity Reading 1	Conductivity Reading 2	Other: DF	Other: Read1/units	Other: DF	Other: Read2/units
LCS	8-15-23	0859	21.1		7.02			1419					
CCV	8-15-23	1326	22.2		7.02			1428					

**** Field Meter ID for Temp, pH & Conductivity :_____

**** Field Meter ID for (_____) : _____

	SW846	Std Methods		Lot #		Lot #		Lot #
Field Temp SOP 1156		2550 B	pH 4.0 Buffer		Conductivity Std. _____		_____ Std._____	
pH in the Field SOP 1152	9040B	4500-H B	pH 7.0 Buffer		Conductivity Std. _____		_____ Std._____	
Field Cond. SOP 1155	9050A	2510 B	pH 10.0 Buffer		Conductivity Std. _____		_____ Std._____	
Other: _____			pH LCS/LCSD __7___		Conductivity LCS/LCSD _____		_____ LCS/LCSD _____	

pH Calibration	Reading
	4.00
	7.01
	9.99

Date: 8-15-23
Time: 0842

Field Analyst Sig & Date: [signature] 8-15-23
Reviewed By & Date: _____
Reviewed By & Date: _____

Conductivity Calibration		Reading	units
_____	µS 0-199.9		µS
_____	µS 0-1999	1413	µS
_____	mS 0-19.99		mS

Field Analyst Sig & Date: [signature] 8-15-23
Reviewed By & Date: _____
Reviewed By & Date: _____

_____ Calibration	Reading
Std_____ Units _____	
Std_____ Units _____	
Std_____ Units _____	

Field Analyst Sig & Date: _____
Reviewed By & Date: _____
Reviewed By & Date: _____

Page _____ of_____

Comments:

Field Analysis Log

Cross Reference to Sample ID	Date mm/dd/yy	Time	Temp. C	pH Results			Conductivity			Other:			
				Reading 1	Reading 2	LCSD	Range Factor	Reading 1	Reading 2	DF	Read1/units	DF	Read2/units
LCS	9-19-23	9:49	20.5	7.02	7.02			1412					
CCV	9-19-23	11:16	20.5	7.03	7.02			1421					

**** Field Meter ID for Temp, pH & Conductivity: Pine

**** Field Meter ID for (Pine): 049551

	SW846	Std Methods		Lot #		Lot #		Lot #
Field Temp SOP 1156		2550 B	pH 4.0 Buffer	WC230720G	Conductivity Std. 1412	74610	____ Std. ____	
pH in the Field SOP 1152	9040B	4500-H B	pH 7.0 Buffer	WC2306168	Conductivity Std. ____		____ Std. ____	
Field Cond. SOP 1155	9050A	2510 B	pH 10.0 Buffer	WC2305016	Conductivity Std. ____		____ Std. ____	
Other: ____			pH LCS/LCSD 7	WC230502B	Conductivity LCS/LCSD ____		____ LCS/LCSD ____	

pH Calibration		Reading
Date: 9-19-23	4.00	4.02
Time: 9:20	7.00	7.02
	10.00	10.00

Field Analyst Sig & Date: Brett Fuller 9-19-23
Reviewed By & Date: ____
Reviewed By & Date: ____

Conductivity Calibration			Reading	units
____	µS	0-199.9	____	µS
1412	µS	0-1999	1413	µS
____	mS	0-19.99	____	mS

Field Analyst Sig & Date: Brett Fuller 9-19-23
Reviewed By & Date: ____
Reviewed By & Date: ____

____ Calibration		Reading
Std ____	Units ____	____
Std ____	Units ____	____
Std ____	Units ____	____

Field Analyst Sig & Date: ____
Reviewed By & Date: ____
Reviewed By & Date: ____

Comments:

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	46.0	None	N	Clear	Good	Good	Good	Yes	Yes
017	G125	Groundwater Sample	44.0	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	58.0	None	S	Cloudy	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

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	11/13/23 9:46										
017	G125	JC	11/13/23 9:49										
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	12:55	Bladder Pump	2"	5.0	192.3
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	11/13/23 9:26										
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

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)
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	11/15/23								
017	G125	JC	11/15/23								
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	12:55	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	11/17/23								
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
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)
071	G315	TAC	11/20/23	10:37	Low Flow	No	Clear	None	None	3.50	**0.57**
072	G316	TAC	11/20/23	13:21	Low Flow	No	Clear	None	None	13.10	**0.62**
073	G317										
074	G401	JC	11/21/23	09:24	Low Flow	Yes	Slightly cloudy	None	lt brown	14.07	0.44
075	G402	JC	11/21/23	08:37	Low Flow	Yes	Slightly cloudy	None	none	11.72	0.01
076	G403	JC	11/20/23	11:41	Low Flow	Yes	Clear	Slight	none	11.40	**3.13**
077	G404	JC	11/21/23	10:07	Low Flow	Yes	Clear	None	none	6.78	0.3
078	G405	JC	11/21/23	10:32	Low Flow	Yes	Clear	None	none	8.02	0.29
079	G406	JC	11/20/23	13:20	Low Flow	Yes	Clear	None	none	14.46	**0.63**
080	G407	JC	11/20/23	12:18	Low Flow	Yes	Clear	None	none	10.04	**1.73**
081	G410	JC	11/20/23	12:50	Low Flow	Yes	Clear	None	none	10.74	0.06
082	G411	JC	11/20/23	13:50	Low Flow	Yes	Clear	None	none	11.49	0.29
083	G1001	JC	11/14/23	11:36	Low Flow	No	Slightly cloudy	None	none	10.06	**3.57**
084	G1003										
085	L202	TAC	11/16/23	11:38	No purge						
086	MW03D										
087	MW12D										
088	MW20S										
089	NE Riser										
090	R104	JC	11/14/23	14:40	Low Flow	Yes	Clear	None	none	18.10	**5.19**
091	R201	JC	11/14/23	10:37	Low Flow	Yes	Clear	Slight	none	14.98	**3.25**
092	R205	JC	11/20/23	14:39	Low Flow	Yes	Slightly cloudy	None	none	11.81	0.33
093	SG-02										
094	SG-03										
095	SG-04										
096	T127	JC	11/15/23	10:52	Low Flow	Yes	Slightly cloudy	None	none	16.58	**0.63**
097	T128	JC	11/15/23	10:11	Low Flow	Yes	Clear	None	none	15.80	0.3
098	X201	JC	11/20/23	14:08	No purge	No	Clear	None	none	34.00	0
099	XPW01	TAC	11/17/23	09:39	Low Flow	No	Clear	None	None	6.30	0.02
100	XPW02	TAC	11/17/23	09:02	Low Flow	No	Clear	None	None	11.13	0
101	XSG-01										
102	Field Blank	JC	11/21/23	10:36							
103	G102 Duplicate	JC	11/14/23	15:37	Low Flow	Yes	Clear	None	none	13.32	0.48
104	G200 Duplicate	JC	11/14/23	10:01	Low Flow	Yes	Slightly cloudy	None	none	13.01	**1.13**
105	G273 Duplicate	JC	11/17/23	10:37	Low Flow	Yes	Clear	None	none	13.09	0.38

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Summary
Coffeen- 4Q 2023

		Sampling Activities and Observations									
WO Sample	**Well ID**	**Sampler Initials**	**Date**	**Time**	**Sampling Method**	**Field Filtered**	**Appearance**	**Odor**	**Color**	**Post-Sample DTW (ft)**	**Drawdown (ft)**
106	G301 Duplicate	TAC	11/20/23	10:42	Low Flow	No	Clear	Slight	None	9.56	**1.31**
107	R201 Duplicate	JC	11/14/23	10:37	Low Flow	Yes	Clear	Slight	none	14.98	**3.25**

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Summary
Coffeen- 4Q 2023

WO Sample	Well ID	COMMENTS
001	G101	
002	G102	
003	G103	
004	G105	
005	G106	
006	G107	
007	G108	
008	G109	
009	G110	
010	G111	
011	G119	
012	G120	
013	G121	
014	G122	
015	G123	
016	G124	Dry- no sample
017	G125	Dry- no sample
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
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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	Dry- no sample
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
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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
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Groundwater Sampling Summary
Coffeen- 4Q 2023

WO Sample	Well ID	COMMENTS
106	G301 Duplicate	
107	R201 Duplicate	

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Stabilized Field Parameters Summary
Coffeen- 4Q 2023

Well ID	Date	Time	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	DTW (ft)	LIMS ID
G101	11/14/2023	16:11	15.2	59.4	7.16	1,179.4	2.81	21.87	56.3	13.95	23110002-001A
G102	11/14/2023	15:37	16.4	61.5	7.30	881.0	0.78	26.48	17.9	12.84	23110002-002A
G103	11/14/2023	15:13	16.4	61.5	7.12	851.5	1.46	15.48	17.2	16.00	23110002-003A
G105	11/14/2023	14:22	16.6	61.9	7.16	803.5	0.92	8.76	-128.0	13.46	23110002-004A
G106	11/14/2023	13:54	17.3	63.1	7.02	877.9	3.58	8.61	48.4	14.21	23110002-005A
G107	11/14/2023	13:33	17.4	63.3	7.20	753.1	3.24	12.34	25.0	14.40	23110002-006A
G108	11/14/2023	13:15	17.8	64.0	7.20	751.7	2.63	4.03	-70.4	14.96	23110002-007A
G109	11/14/2023	12:59	16.7	62.1	7.03	938.7	1.28	14.68	50.8	15.09	23110002-008A
G110	11/14/2023	12:41	17.3	63.1	6.94	908.2	0.98	15.24	1.9	15.43	23110002-009A
G111	11/14/2023	11:59	17.4	63.3	7.14	817.6	1.15	8.45	9.2	16.09	23110002-010A
G119	11/15/2023	9:52	16.6	61.9	7.20	703.4	2.93	6.76	114.4	16.25	23110002-011A
G120	11/15/2023	9:37	16.6	61.9	7.02	875.6	4.11	8.07	121.9	17.08	23110002-012A
G121	11/15/2023	9:23	16.4	61.5	6.94	946.8	3.52	10.14	122.2	18.96	23110002-013A
G122	11/15/2023	9:06	15.7	60.3	6.79	1,178.9	4.50	12.43	128.8	20.40	23110002-014A
G123	11/15/2023	8:47	15.3	59.5	6.87	941.5	1.21	7.42	118.6	19.94	23110002-015A
G124	11/15/2023		*Dry- no sample*								23110002-016A
G125	11/15/2023		*Dry- no sample*								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	11/17/2023		*Dry- no sample*								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
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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
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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

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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

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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

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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

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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	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)
G125	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)
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)
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	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)
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	11:35	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 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					

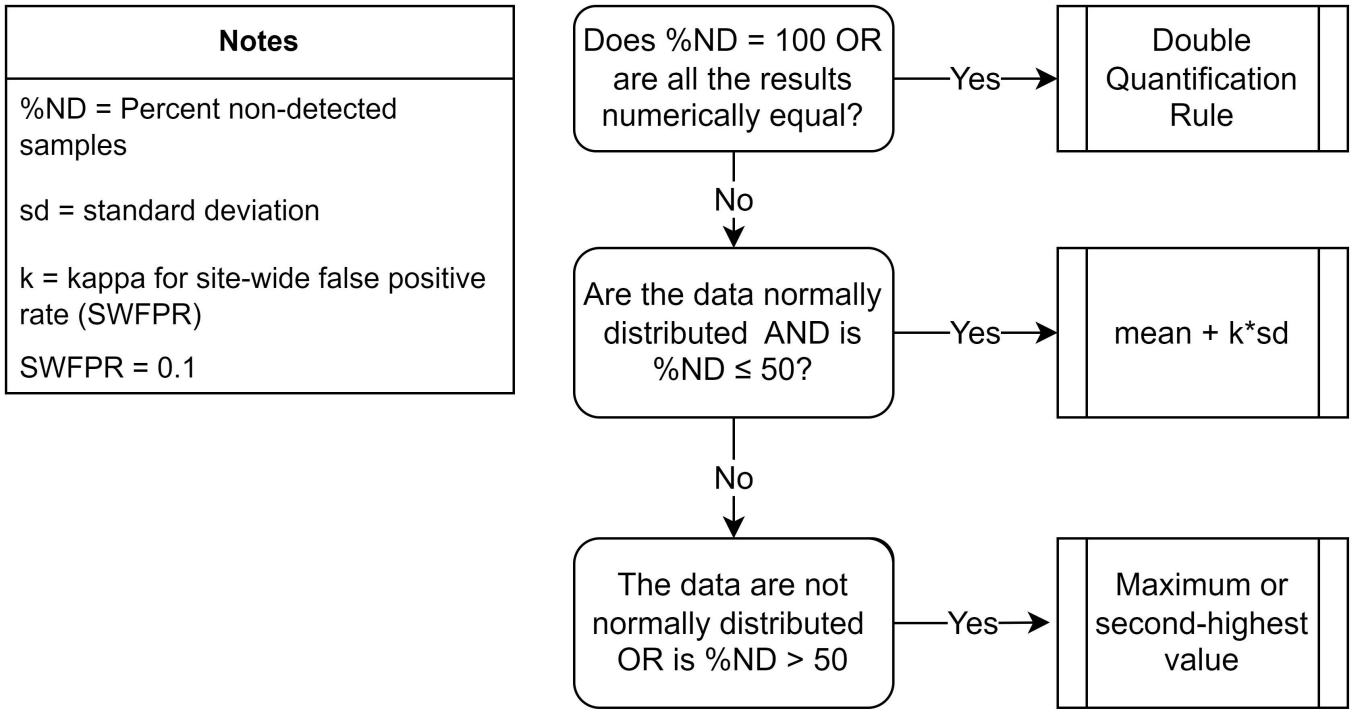
Field Meter ID:
Technician:

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					

APPENDIX B
STATISTICAL METHODOLOGY FOR DETERMINATION OF BACKGROUND VALUES



When data are not normally distributed or %ND > 50, the maximum value is used if the background sample size is < 60. Where the background sample size is ≥ 60, the achievable per-constituent false positive rates for the maximum and second-highest background values will be compared, and the background value with the achievable per-constituent false positive rate that is closest to, but does not exceed, the target per-constituent false positive rate of 0.015% is used.

APPENDIX C
ALTERNATIVE SOURCE DEMONSTRATIONS

Intended for
Illinois Power Generating Company

Date
April 11, 2023

Project No.
1940103649-003

40 C.F.R. § 257.94(e)(2): ALTERNATE SOURCE DEMONSTRATION

COFFEEN POWER PLANT

LANDFILL

CCR UNIT 105

RAMBOLL Bright ideas. Sustainable change.

CERTIFICATIONS

I, Brian G. Hennings, a professional geologist in good standing in the State of Illinois, certify that the information in this report is accurate as of the date of my signature below. The content of this report is not to be used other than for its intended purpose and meaning, or for extrapolations beyond the interpretations contained herein.

Brian G. Hennings
Professional Geologist
196.001482
Illinois
Ramboll Americas Engineering Solutions, Inc.
Date: April 11, 2023

I, Anne Frances Ackerman, a qualified professional engineer in good standing in the State of Illinois, certify that the information in this report is accurate as of the date of my signature below. The content of this report is not to be used other than for its intended purpose and meaning, or for extrapolations beyond the interpretations contained herein.

Anne Frances Ackerman
Qualified Professional Engineer
062-060586
Illinois
Ramboll Americas Engineering Solutions, Inc.
Date: April 11, 2023

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FIGURES (IN TEXT)

Figure A Piper Diagram

FIGURES (ATTACHED)

Figure 1 Potentiometric Surface Map – August 23, 2022
Figure 2 Sample Location Map

ACRONYMS AND ABBREVIATIONS

40 C.F.R.	Title 40 of the Code of Federal Regulations
ASD	Alternate Source Demonstration
CCR	coal combustion residuals
cm/s	centimeters per second
CPP	Coffeen Power Plant
D11	Detection Monitoring Round 11
GMF	Gypsum Management Facility
HDPE	high-density polyethylene
IEPA	Illinois Environmental Protection Agency
LOE(s)	line(s) of evidence
mg/L	milligrams per liter
NAVD88	North American Vertical Datum of 1988
No.	number
NRT/OBG	Natural Resource Technology, an OBG Company
Ramboll	Ramboll Americas Engineering Solutions, Inc.
SSI	Statistically Significant Increase
UPL	Upper Prediction Limit

1. INTRODUCTION

Title 40 of the Code of Federal Regulations (40 C.F.R.) § 257.94(e)(2) allows the owner or operator of a coal combustion residuals (CCR) unit 90 days from the date of determination of a Statistically Significant Increase (SSI) over background for groundwater constituents listed in Appendix III of 40 C.F.R. § 257 to complete a written demonstration that a source other than the CCR unit being monitored caused the SSI(s), or that the SSI(s) resulted from error in sampling, analysis, statistical evaluation, or natural variation in groundwater quality (Alternate Source Demonstration [ASD]).

This ASD has been prepared on behalf of Illinois Power Generating Company, by Ramboll Americas Engineering Solutions, Inc. (Ramboll), to provide pertinent information pursuant to 40 C.F.R. § 257.94(e)(2) for the Coffeen Power Plant (CPP) landfill, located near Coffeen, Illinois.

The most recent Detection Monitoring sampling event (D11) samples were collected from August 23-24, 2022, and analytical data were received on October 13, 2022. In accordance with 40 C.F.R. § 257.93(h)(2), statistical analysis of the data to identify SSIs of 40 C.F.R. § 257 Subpart D Appendix III parameters over background concentrations was completed by January 11, 2023, within 90 days of receipt of the analytical data. The statistical determination identified the following SSIs at compliance monitoring wells:

- Chloride at wells G120 and G125

Pursuant to 40 C.F.R. § 257.94(e)(2), the lines of evidence (LOE) presented in **Section 3** demonstrate that natural variability in the groundwater was the cause of the chloride SSIs listed above. This ASD was completed by April 11, 2023, within 90 days of determination of the SSI (January 11, 2023), as required by 40 C.F.R. § 257.94(e)(2).

2. BACKGROUND

2.1 Site Location and Description

The CPP is located in Montgomery County, in central Illinois, approximately 2 miles south of the city of Coffeen. The area is bordered by Coffeen Lake to the west, east, and south, and by agricultural land to the north. Several underground coal mines were historically operated both beneath and near the CPP. Fly ash is managed in an approximately 15-acre composite lined landfill constructed in 2010. The landfill is one of five CCR units at the CPP and is the subject of this ASD. The other four CCR units include the Gypsum Management Facility (GMF) Gypsum Stack Pond, GMF Recycle Pond, Ash Pond Number (No.) 1, and Ash Pond No. 2.

2.2 Geology and Hydrogeology

The CPP geologic and hydrogeologic setting summarized below is obtained from published sources, hydrogeologic investigation data, and boring data collected during site investigations conducted from 2009 to 2021 (Natural Resource Technology, an OBG Company [NRT/OBG], 2017; Ramboll, 2021).

Pleistocene deposits of unlithified glacial diamictons, lacustrine/alluvial deposits, and windblown loess overlie Pennsylvanian-age bedrock throughout central Illinois. The most extensive glacial deposits are those from the Illinoian Stage which cover much of the state and are present at the CPP. Windblown (aeolian) deposits, the Peoria and Roxana Silts, cover the glacial deposits over a majority of the state. These units are fine-grained deposits blown from river valleys by prevailing winds.

Till members of the Glasford Formation include (oldest to youngest): the Smithboro Member, the Mulberry Grove Member, the Vandalia Member, and the Hagarstown Member. The Smithboro Member is described as a gray, compact, silty till. The Smithboro is bounded below by the Yarmouth Soil. The Mulberry Grove Member is intermittent at the CPP and is described as a calcareous gray silt and fine sand containing some fossil mollusks. The Vandalia Member is a sandy till with thin lenticular bodies of silt, sand, and gravel. It is calcareous, except where weathered, generally gray, and moderately compact. The Hagarstown Member is bounded at the top by the Sangamon Soil. The Hagarstown Member consists of gravelly till, poorly sorted gravel, well-sorted gravel, and sand.

The Quaternary deposits in the Coffeen area consist mainly of diamictons and intercalated outwash deposits that were deposited during Illinoian and Pre-Illinoian glaciations. Six hydrostratigraphic units have been identified at the CPP based on stratigraphic relationships and common hydrogeologic characteristics, and are summarized as follows (beginning at the ground surface):

- CCR – This unit is composed of CCR, consisting primarily of fly ash. This also includes earthen fill deposits of predominantly silt and clay materials from on-site excavations that were used to construct berms and roads surrounding the various impoundments across the CPP.
- Upper Confining Unit – This unit consists of the Loess Unit and the upper clayey portion of the Hagarstown Member, which has generally low vertical permeability (1×10^{-7} centimeters per second [cm/s] or less) and generally greater than 60 percent fines. This unit was encountered across most of the CPP, with the exception of the areas near the Unnamed Tributary where

the unit was eroded following deposition or locations where it has been excavated for construction.

- Uppermost Aquifer - This unit consists primarily of sand and sandy silts and clays at the base of the Hagarstown Member and, in some locations, the uppermost weathered sandy clay portion of the Vandalia Member. This unit is absent in several locations due to weathering and in others due to excavation during construction of the landfill, GMF Gypsum Stack Pond, and GMF Recycle Pond. The hydraulic characteristics of the Hagarstown Member indicate the unit has a moderate horizontal hydraulic conductivity (2.9×10^{-4} cm/s to 1.4×10^{-3} cm/s).
- Lower Confining Unit – This thick (generally greater than 15 feet) unit is composed of the sandy clay till of the Vandalia Member, the silt of the Mulberry Grove Formation (discontinuous), and the compacted clay till of the Smithboro Member. The lower confining unit underlies the Uppermost Aquifer and was encountered in all boring locations on the CPP. Results from laboratory tests completed for vertical hydraulic conductivity indicate the Vandalia Member has a very low vertical hydraulic conductivity (3×10^{-8} cm/s).
- Deep Aquifer – This unit consists primarily of sandy silt and sands of the Yarmouth Soil, which are thin (less than 5 feet) and discontinuous beneath the CPP.
- Deep Confining Unit – This unit underlies the deep aquifer and is composed of the Banner Formation, of which the thick Lierle Clay is the first encountered unit. No boring penetrated the full thickness of this formation.
- Bedrock – Pennsylvanian-age Bond Formation characterized by limestone and calcareous clays and shales.

Coffeen Lake was built by damming the McDavid Branch of the East Fork of Shoal Creek in 1963 to provide cooling water for the power plant. The CPP is located between the two lobes of the lake (identified as "Coffeen Lake" and "Unnamed Tributary" on **Figure 1**). A north/south trending groundwater divide is regularly observed beneath the landfill and GMF Gypsum Stack Pond with groundwater flow to the southeast or southwest, downgradient of the divide, converging on the tributary valleys leading to Coffeen Lake on the east and west sides of the property.

Groundwater elevations (referenced to North American Vertical Datum of 1988 [NAVD88]) were obtained from measurements in monitoring wells on August 23, 2022, prior to a sampling event for the five CCR units at the CPP. Water levels in the landfill area ranged from approximately 616 to 625 feet (**Figure 1**). The groundwater elevations and flow direction for the CPP during the D11 sampling event are shown in **Figure 1**, and generally follow the flow patterns established by the groundwater divide beneath the CCR units with groundwater flowing from east to southwest beneath the landfill. Groundwater elevation contours were excluded from within the unit boundaries of the GMF Recycle Pond and landfill and dashed within the southern third of the GMF Gypsum Stack Pond footprint because the base elevations of the landfill, the GMF Gypsum Stack Pond, and the GMF Recycle Pond (lined units) generally extend below the base elevations of the Uppermost Aquifer observed in soil borings surrounding the units, with some limited exceptions beneath the landfill, the GMF Recycle Pond and approximately the southern third of the GMF Gypsum Stack Pond footprint.

2.3 Groundwater Monitoring

Figure 1 shows all monitoring wells present at the site, including those in the groundwater monitoring systems established in accordance with 40 C.F.R. § 257.91 at Ash Pond No. 1, Ash

Pond No. 2, the GMF Gypsum Stack Pond, the GMF Recycle Pond, and the landfill and wells not used for federal CCR groundwater monitoring. **Figure 2** shows the monitoring system for the landfill including background wells G102, R201 and G200, located north of the landfill, and compliance wells G106, G110, G120, G125, and T127. Leachate was sampled at one location (L203), at the northeast corner of the landfill, on August 23, 2022.

3. ALTERNATE SOURCE DEMONSTRATION: LINES OF EVIDENCE

As allowed by 40 C.F.R. § 257.94(e)(2), this ASD demonstrates that the chloride SSIs did not originate from the unit and resulted from natural variation in groundwater quality. LOEs supporting this ASD include the following:

1. Landfill liner design.
2. The ionic composition of landfill leachate is different from the ionic composition of groundwater.
3. Downgradient concentrations of boron and sulfate do not exceed background limits.

These LOEs are described and supported in greater detail below. Monitoring wells and leachate sample locations are shown in **Figure 2**.

3.1 LOE #1: Landfill Liner Design

The landfill was constructed in 2010. The landfill liner system includes the following components:

- A 60-mil high-density polyethylene (HDPE) geomembrane.
- A three-foot-thick layer of recompacted, low-permeability soil having a maximum hydraulic conductivity of 1×10^{-7} cm/s.

The Illinois Environmental Protection Agency (IEPA)-approved landfill liner system exceeds the design criteria for a composite liner for new CCR landfills established by 40 C.F.R. § 257.70. The composite liner design criteria were established to help prevent contaminants in CCR from leaking from the CCR unit and impacting groundwater. The liner creates a barrier to groundwater flow through the CCR managed in the landfill, suggesting that the landfill is not the source of the SSIs.

3.2 LOE #2: The Ionic Composition of Landfill Leachate is Different from the Ionic Composition of Groundwater

Piper diagrams graphically represent ionic compositions of aqueous solutions. A Piper diagram displays the position of water samples relative to their major cation and anion content on the two lower triangular portions of the diagram, providing the information which, when combined on the central diamond-shaped portion of the diagram, identifies the compositional categories or groupings (hydrochemical facies).

Groundwater samples collected from landfill monitoring wells from August 23-24, 2022, and a landfill leachate sample collected from leachate well L203 on August 23, 2022, were analyzed for ionic composition (major ions). **Figure A** is a Piper diagram that displays the ionic composition of groundwater and landfill leachate.

It is evident from the Piper diagram that the background and downgradient groundwater are in the calcium-bicarbonate facies and that the landfill leachate is in the sodium-sulfate facies. The differences in ionic composition between the groundwater and landfill leachate indicate that the landfill is not the source of SSIs identified in groundwater.

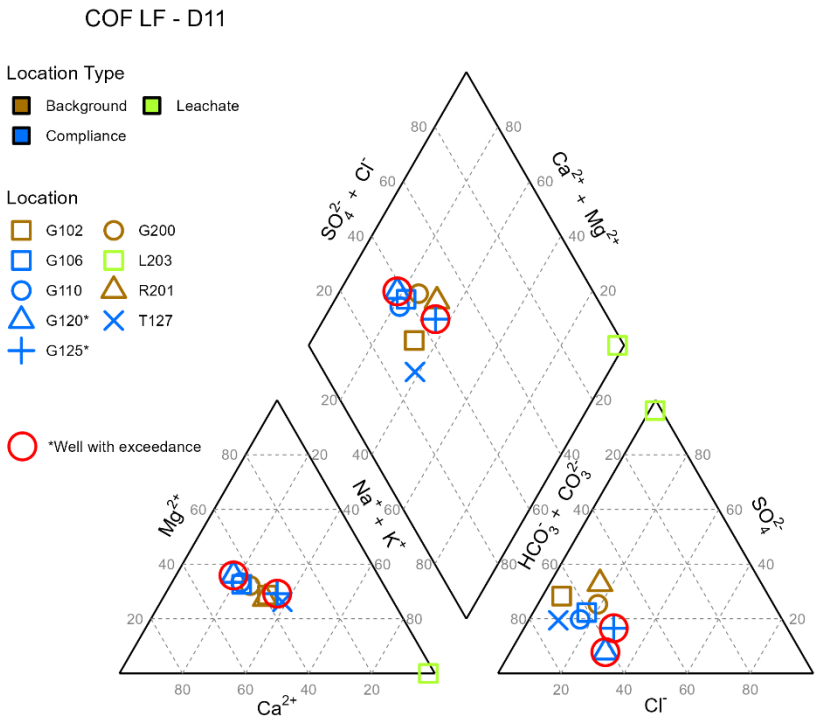

Figure A. Piper Diagram. The Piper diagram above shows the ionic composition of samples of background and compliance groundwater and landfill leachate.

3.3 LOE #3: Downgradient Concentrations of Boron and Sulfate Do Not Exceed Background Limits

Boron and sulfate can be indicators of CCR impacts to groundwater due to their leachability from CCR and mobility in groundwater. If the groundwater downgradient of the landfill had been impacted by CCR from the unit, boron and sulfate concentrations would be expected to be elevated above background Upper Prediction Limits (UPLs). The UPL is an upper bound on background concentrations calculated for comparing downgradient measurements to background. Wells G120 and G125 had concentrations of boron and sulfate below their respective UPLs (0.39 milligrams per liter [mg/L] for boron and 351 mg/L for sulfate). Concentrations of boron and sulfate below the UPLs indicate that G120 and G125 have not been affected by CCR. Therefore, the landfill is not the source of the SSIs.

4. CONCLUSIONS

Based on the three LOEs below, it has been demonstrated that the landfill is not the source of the SSIs of chloride in G120 or G125.

1. Landfill liner design.
2. The ionic composition of landfill leachate is different from the ionic composition of groundwater.
3. Downgradient concentrations of boron and sulfate do not exceed background limits.

This information serves as the written ASD prepared in accordance with 40 C.F.R. § 257.94(e)(2) that the SSIs observed during the detection monitoring program D11 sampling event were not due to the CCR unit. Therefore, an assessment monitoring program is not required, and the landfill will remain in detection monitoring.

5. REFERENCES

Natural Resource Technology, an OBG Company (NRT/OBG), 2017. *Hydrogeologic Monitoring Plan. Coffeen Ash Pond No. 1 – CCR Unit ID 101, Coffeen Ash Pond No. 2 – CCR Unit ID 102, Coffeen GMF Gypsum Stack Pond – CCR Unit ID 103, Coffeen GMF Recycle Pond – CCR Unit ID 104, Coffeen Landfill – CCR Unit ID 105. Coffeen Power Station, Coffeen, Illinois.* Illinois Power Generating Company. October 17, 2017.

Ramboll Americas Engineering Solutions, Inc. (Ramboll), 2021. *Hydrogeologic Site Characterization Report. Coffeen Power Plant, Gypsum Management Facility Gypsum Stack Pond, Coffeen, Illinois.* Illinois Power Generating Company. October 25, 2021.

FIGURES

PROJECT: 169000XXXX | DATED: 12/8/2022 | DESIGNER: galammc

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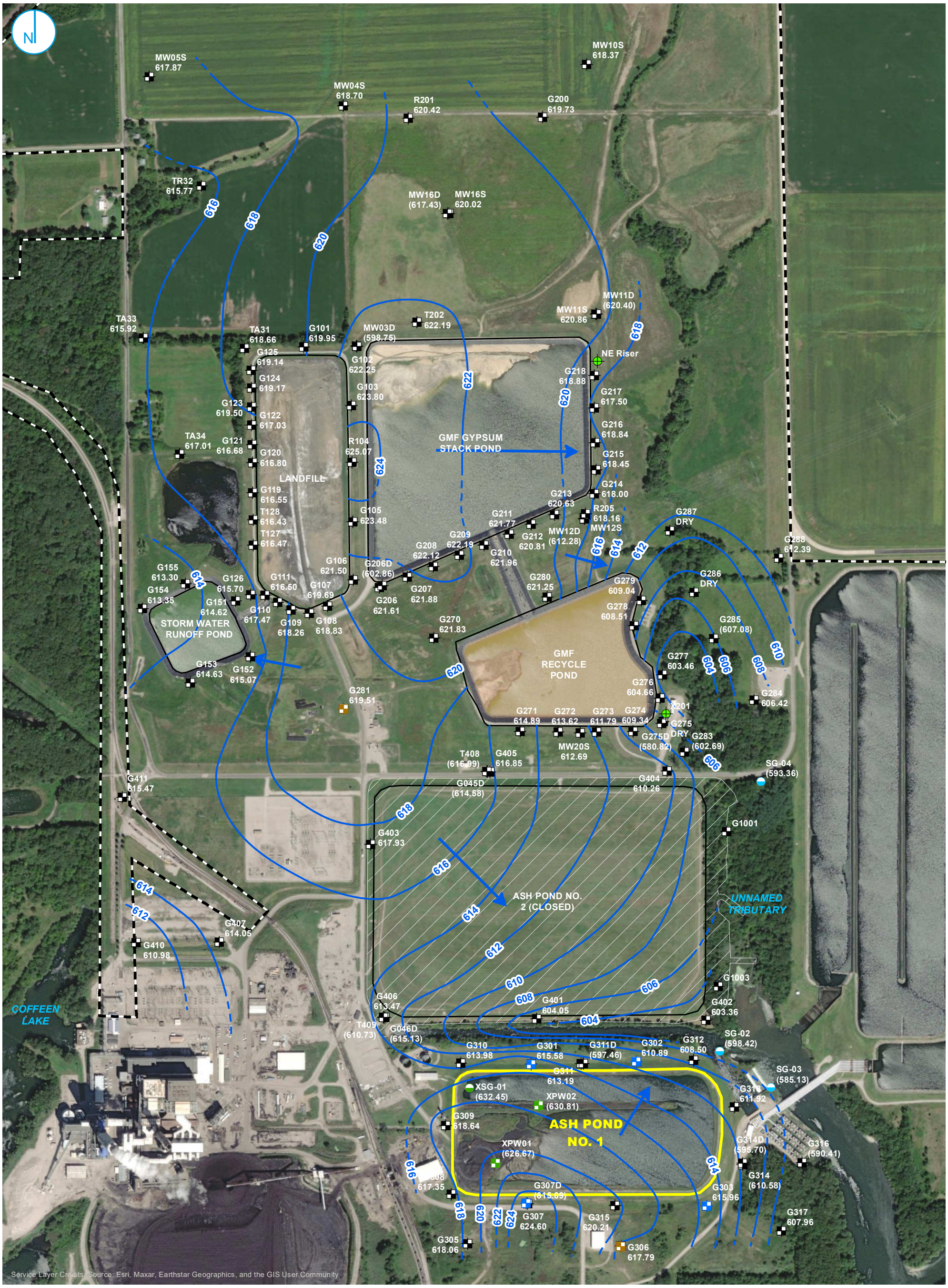


BACKGROUND WELL
COMPLIANCE WELL
PORE WATER WELL
LEACHATE WELL
MONITORING WELL
STAFF GAGE, CCR UNIT
STAFF GAGE, RIVER

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

0 275 550 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 AUGUST 23, 2022

ALTERNATE SOURCE DEMONSTRATION LANDFILL (UNIT ID:105)

COFFEEN POWER PLANT
COFFEEN, ILLINOIS

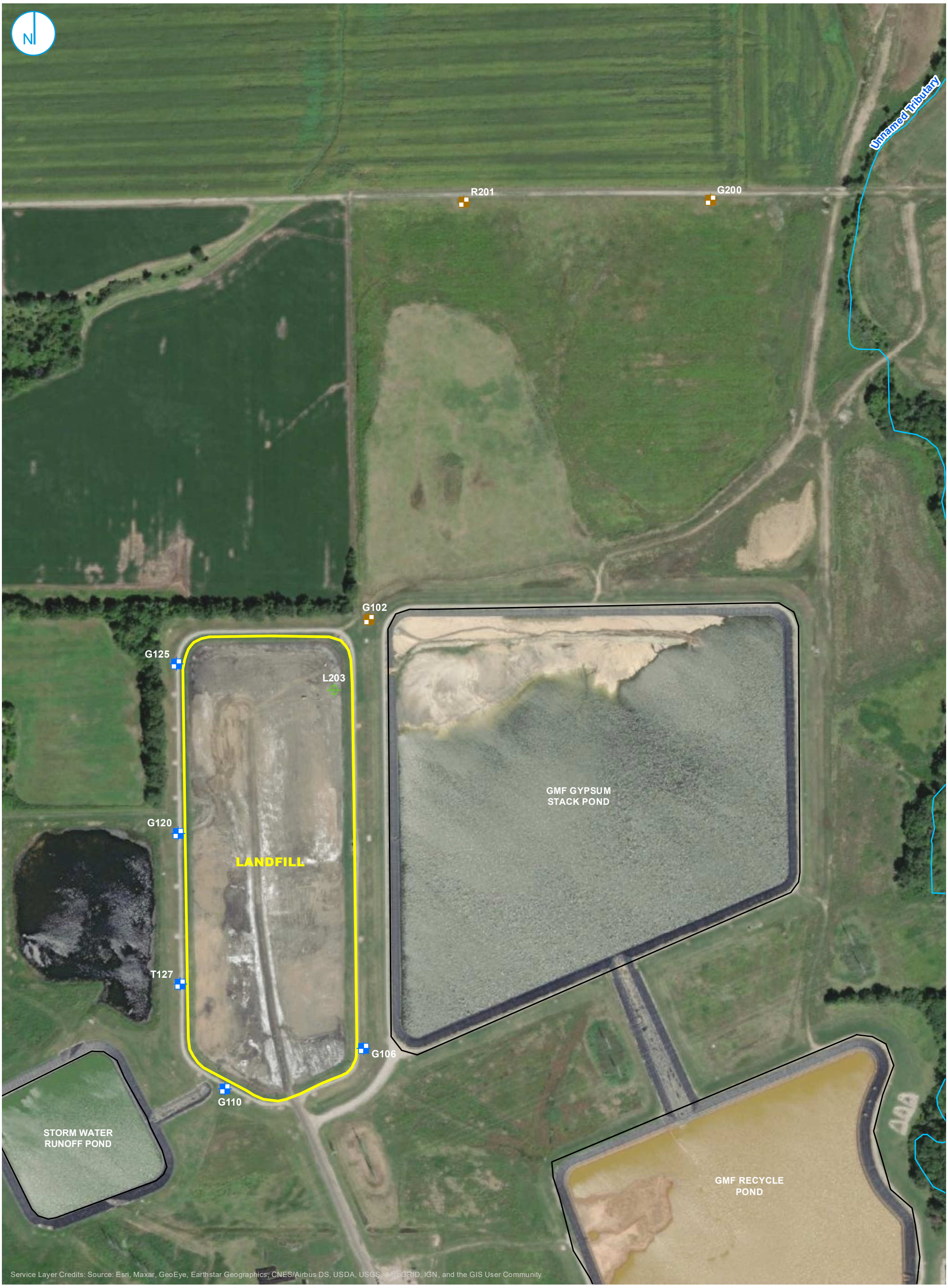
FIGURE 1

RAMBOLL AMERICAS ENGINEERING SOLUTIONS, INC.

RAMBOLL

PROJECT: 169000XXXX | DATED: 2/22/2022 | DESIGNER: galarnmc

Y:\Mapping\Projects\22\2285\MXD\Alt_Source_Dem\CoffeenLF\D9\Figure 2_Sample Location Map_D9.mxd



BACKGROUND WELL
COMPLIANCE WELL
LEACHATE WELL
REGULATED UNIT (SUBJECT UNIT)
SITE FEATURE
SURFACE WATER FEATURE

0 150 300 Feet

SAMPLE LOCATION MAP

ALTERNATE SOURCE DEMONSTRATION
LANDFILL (UNIT ID:105)
COFFEEN POWER PLANT
COFFEEN, ILLINOIS

FIGURE 2

RAMBOLL AMERICAS ENGINEERING SOLUTIONS, INC.

RAMBOLL

Intended for
Illinois Power Generating Company

Date
December 19, 2023

Project Number
1940103649-003

40 C.F.R. § 257.94(E)(2): ALTERNATIVE SOURCE DEMONSTRATION

COFFEEN POWER PLANT
COFFEEN, ILLINOIS

RAMBOLL Bright ideas. Sustainable change.

CERTIFICATIONS

I, Anne Frances Ackerman, a qualified professional engineer in good standing in the State of Illinois, certify that the information in this report is accurate as of the date of my signature below. The content of this report is not to be used other than for its intended purpose and meaning, or for extrapolations beyond the interpretations contained herein.

Anne Frances Ackerman
Qualified Professional Engineer
062-060586
Illinois
Ramboll Americas Engineering Solutions, Inc.
Date: December 19, 2023

I, Brian G. Hennings, a professional geologist in good standing in the State of Illinois, certify that the information in this report is accurate as of the date of my signature below. The content of this report is not to be used other than for its intended purpose and meaning, or for extrapolations beyond the interpretations contained herein.

Brian G. Hennings
Professional Geologist
196.001482
Illinois
Ramboll Americas Engineering Solutions, Inc.
Date: December 19, 2023

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FIGURES (IN TEXT)

Figure A Piper Diagram

FIGURES (ATTACHED)

Figure 1 Potentiometric Surface Map – February 13, 2023
Figure 2 Sample Location Map

APPENDICES

Appendix A Supporting Leachate Analytical Data

ACRONYMS AND ABBREVIATIONS

40 C.F.R.	Title 40 of the Code of Federal Regulations
ASD	Alternative Source Demonstration
CCR	coal combustion residuals
cm/s	centimeters per second
CPP	Coffeen Power Plant
D12	Detection Monitoring Round 12
EPRI	Electric Power Research Institute
GMF	Gypsum Management Facility
HDPE	high-density polyethylene
IEPA	Illinois Environmental Protection Agency
LOE(s)	line(s) of evidence
mg/L	milligrams per liter
NAVD88	North American Vertical Datum of 1988
No.	number
NRT/OBG	Natural Resource Technology, an OBG Company
Ramboll	Ramboll Americas Engineering Solutions, Inc.
SSI	Statistically Significant Increase
UPL	Upper Prediction Limit
USEPA	United States Environmental Protection Agency

1. INTRODUCTION

Title 40 of the Code of Federal Regulations (40 C.F.R.) § 257.94(e)(2) allows the owner or operator of a coal combustion residuals (CCR) unit 90 days from the date of determination of a Statistically Significant Increase (SSI) over background for groundwater constituents listed in Appendix III of 40 C.F.R. § 257 to complete a written demonstration that a source other than the CCR unit being monitored caused the SSI(s) and that the CCR unit did not contribute to the contamination, or that the SSI(s) resulted from error in sampling, analysis, statistical evaluation, or natural variation in groundwater quality (Alternative Source Demonstration [ASD]).

This ASD has been prepared on behalf of Illinois Power Generating Company, by Ramboll Americas Engineering Solutions, Inc. (Ramboll), to provide pertinent information pursuant to 40 C.F.R. § 257.94(e)(2) for the Coffeen Power Plant (CPP) landfill, located near Coffeen, Illinois.

The most recent sampling event, Detection Monitoring Round 12 (D12), samples were collected from February 14-16, 2023, and analytical data were received on June 22, 2023. In accordance with 40 C.F.R. § 257.93(h)(2), statistical analysis of the data to identify SSIs of 40 C.F.R. § 257 Subpart D Appendix III parameters over background concentrations was completed by September 20, 2023, within 90 days of receipt of the analytical data. The statistical determination identified the following SSIs at compliance monitoring wells:

- Chloride at well G120
- pH at well G106

Pursuant to 40 C.F.R. § 257.94(e)(2), the lines of evidence (LOEs) presented in **Section 3** demonstrate that the landfill was not the cause of the chloride and pH SSIs listed above. This ASD was completed by December 19, 2023, within 90 days of determination of the SSIs (September 20, 2023), as required by 40 C.F.R. § 257.94(e)(2). This ASD has been completed in conformance with the Electric Power Research Institute (EPRI) guidance for development of ASDs at CCR sites (EPRI, 2017), and the United States Environmental Protection Agency (USEPA)'s Solid Waste Disposal Facility Criteria: Technical Manual (USEPA, 1993).

2. BACKGROUND

2.1 Site Location and Description

The CPP is located in Montgomery County, in central Illinois, approximately 2 miles south of the city of Coffeen. The area is bordered by Coffeen Lake to the west, east, and south, and by agricultural land to the north. Several underground coal mines were historically operated both beneath and near the CPP. Fly ash is managed in an approximately 15-acre composite lined landfill constructed in 2010. The landfill is one of five CCR units at the CPP and is the subject of this ASD. The other four CCR units include the Gypsum Management Facility (GMF) Gypsum Stack Pond, GMF Recycle Pond, Ash Pond Number (No.) 1, and Ash Pond No. 2.

2.2 Geology and Hydrogeology

The CPP geologic and hydrogeologic setting summarized below is obtained from published sources, hydrogeologic investigation data, and boring data collected during site investigations conducted from 2009 to 2021 (Natural Resource Technology, an OBG Company [NRT/OBG], 2017; Ramboll, 2021).

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Till members of the Glasford Formation include (oldest to youngest): the Smithboro Member, the Mulberry Grove Member, the Vandalia Member, and the Hagarstown Member. The Smithboro Member is described as a gray, compact, silty till. The Smithboro is bounded below by the Yarmouth Soil. The Mulberry Grove Member is intermittent at the CPP and is described as a calcareous gray silt and fine sand containing some fossil mollusks. The Vandalia Member is a sandy till with thin lenticular bodies of silt, sand, and gravel. It is calcareous, except where weathered, generally gray, and moderately compact. The Hagarstown Member is bounded at the top by the Sangamon Soil. The Hagarstown Member consists of gravelly till, poorly sorted gravel, well-sorted gravel, and sand.

The Quaternary deposits in the Coffeen area consist mainly of diamictons and intercalated outwash deposits that were deposited during Illinoian and Pre-Illinoian glaciations. Six hydrostratigraphic units have been identified at the CPP based on stratigraphic relationships and common hydrogeologic characteristics, and are summarized as follows (beginning at the ground surface):

- CCR: This unit is composed of CCR, consisting primarily of fly ash. This also includes earthen fill deposits of predominantly silt and clay materials from on-site excavations that were used to construct berms and roads surrounding the various impoundments across the CPP.
- Upper Confining Unit: This unit consists of the Loess Unit and the upper clayey portion of the Hagarstown Member, which has generally low vertical permeability (1×10^{-7} centimeters per second [cm/s] or less) and generally greater than 60 percent fines. This unit was encountered across most of the CPP, with the exception of the areas near the Unnamed Tributary where

the unit was eroded following deposition or locations where it has been excavated for construction.

- Uppermost Aquifer: This unit consists primarily of sand and sandy silts and clays at the base of the Hagarstown Member and, in some locations, the uppermost weathered sandy clay portion of the Vandalia Member. This unit is absent in several locations due to weathering and in others due to excavation during construction of the landfill, GMF Gypsum Stack Pond, and GMF Recycle Pond. The hydraulic characteristics of the Hagarstown Member indicate the unit has a moderate horizontal hydraulic conductivity (2.9×10^{-4} cm/s to 1.4×10^{-3} cm/s).
- Lower Confining Unit: This thick (generally greater than 15 feet) unit is composed of the sandy clay till of the Vandalia Member, the silt of the Mulberry Grove Formation (discontinuous), and the compacted clay till of the Smithboro Member. The lower confining unit underlies the Uppermost Aquifer and was encountered in all boring locations on the CPP. Results from laboratory tests completed for vertical hydraulic conductivity indicate the Vandalia Member has a very low vertical hydraulic conductivity (3×10^{-8} cm/s).
- Deep Aquifer: This unit consists primarily of sandy silt and sands of the Yarmouth Soil, which are thin (less than 5 feet) and discontinuous beneath the CPP.
- Deep Confining Unit: This unit underlies the deep aquifer and is composed of the Banner Formation, of which the thick Lierle Clay is the first encountered unit. No boring penetrated the full thickness of this formation.
- Bedrock Unit: Pennsylvanian-age Bond Formation characterized by limestone and calcareous clays and shales.

Coffeen Lake was built by damming the McDavid Branch of the East Fork of Shoal Creek in 1963 to provide cooling water for the power plant. The CPP is located between the two lobes of the lake (identified as "Coffeen Lake" and "Unnamed Tributary" on **Figure 1**). A north/south trending groundwater divide is regularly observed beneath the landfill and GMF Gypsum Stack Pond with groundwater flow to the southeast or southwest, downgradient of the divide, converging on the tributary valleys leading to Coffeen Lake on the east and west sides of the property.

Groundwater elevations (referenced to North American Vertical Datum of 1988 [NAVD88]) were obtained from measurements in monitoring wells on February 13, 2023, prior to a sampling event for the five CCR units at the CPP. Water levels in the landfill area ranged from approximately 614 to 625 feet (**Figure 1**). The groundwater elevations and flow direction for the CPP during the D12 sampling event are shown in **Figure 1**, and generally follow the flow patterns established by the groundwater divide beneath the CCR units, with groundwater flowing from east to southwest beneath the landfill. Groundwater elevation contours were excluded from within the unit boundaries of the GMF Recycle Pond and landfill and are dashed within the southern third of the GMF Gypsum Stack Pond footprint because the base elevations of the landfill, the GMF Gypsum Stack Pond, and the GMF Recycle Pond (lined units) generally extend below the base elevations of the Uppermost Aquifer, as observed in soil borings surrounding the units, with some limited exceptions beneath the landfill, the GMF Recycle Pond, and approximately the southern third of the GMF Gypsum Stack Pond footprint.

2.3 Groundwater Monitoring

Figure 1 shows all monitoring wells present at the site, including those in the groundwater monitoring systems established in accordance with 40 C.F.R. § 257.91 at Ash Pond No. 1, Ash

Pond No. 2, the GMF Gypsum Stack Pond, the GMF Recycle Pond, and the landfill and wells not used for federal CCR groundwater monitoring. **Figure 2** shows the monitoring system for the landfill including background wells G102, R201, and G200, located north of the landfill, and compliance wells G106, G110, G120, G125, and T127. Leachate was sampled at one location (L203), at the northeast corner of the landfill, on February 15, 2023.

3. ALTERNATIVE SOURCE DEMONSTRATION: LINES OF EVIDENCE

As allowed by 40 C.F.R. § 257.94(e)(2), this ASD demonstrates that the chloride and pH SSIs did not originate from the landfill and resulted from natural variation in groundwater quality. LOEs supporting this ASD include the following:

1. Landfill liner design exceeds design criteria for new CCR landfills established by 40 C.F.R. § 257.70.
2. The major ion composition of landfill groundwater is similar to background and distinct from landfill leachate.
3. Boron and sulfate concentrations in compliance groundwater monitoring wells do not exceed background limits.

These LOEs are described and supported in greater detail below.

3.1 LOE #1: Landfill Liner Design Exceeds Design Criteria for New CCR Landfills Established By 40 C.F.R. § 257.70

The landfill was constructed in 2010. The landfill liner system includes the following components:

- 60-mil high-density polyethylene (HDPE) geomembrane liner
- A three-foot-thick layer of recompacted, low-permeability soil having a maximum hydraulic conductivity of 1×10^{-7} cm/s

The Illinois Environmental Protection Agency (IEPA)-approved landfill liner system exceeds the design criteria for a composite liner for new CCR landfills established by 40 C.F.R. § 257.70. The composite liner design criteria were established to help prevent contaminants in CCR from leaking from the CCR unit and impacting groundwater. The liner creates a barrier to groundwater flow through the CCR managed in the landfill, suggesting that the landfill is not the source of the SSIs.

3.2 LOE #2: The Major Ion Composition of Landfill Groundwater is Similar to Background and Distinct from Landfill Leachate.

Piper diagrams graphically represent ionic compositions of aqueous solutions. A Piper diagram displays the position of water samples relative to their major cation and anion content on the two lower triangular portions of the diagram, providing the information which, when combined on the central diamond-shaped portion of the diagram, identifies the compositional categories or groupings (hydrochemical facies).

Groundwater samples collected from landfill monitoring wells from February 14-16, 2023, and a landfill leachate sample collected from leachate well L203 on February 15, 2023, were analyzed for ionic composition (major ions). **Figure A** on the following page is a Piper diagram that displays the ionic compositions of background groundwater, downgradient groundwater, and landfill leachate.

It is evident from the Piper diagram that the background groundwater (brown symbols) and compliance downgradient groundwater (blue symbols) samples are in the calcium-bicarbonate facies and that the landfill leachate (green symbol) is in the sodium-sulfate facies. The

differences in ionic composition between the groundwater and landfill leachate indicate that the landfill is not the source of SSIs identified in groundwater.

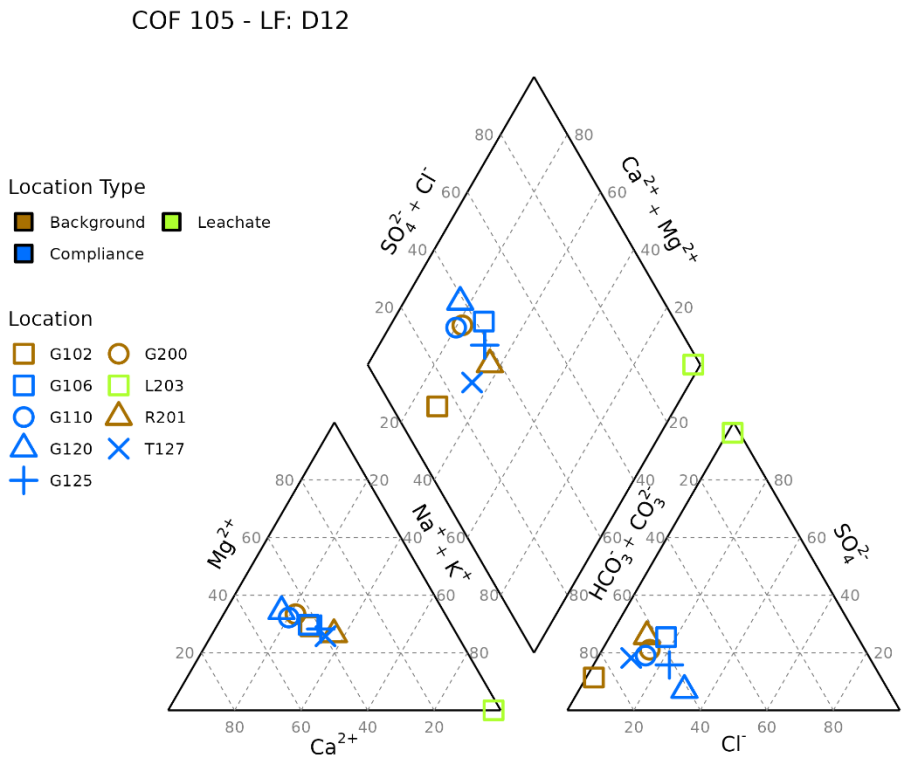

Figure A. Piper Diagram. The Piper diagram above shows the ionic composition of samples of background and compliance groundwater and landfill leachate.

3.3 LOE #3: Boron and Sulfate Concentrations in Compliance Groundwater Monitoring Wells Do Not Exceed Background Limits.

Boron and sulfate can be indicators of CCR impacts to groundwater due to their leachability from CCR and mobility in groundwater. If the groundwater downgradient of the landfill had been impacted by CCR from the unit, boron and sulfate concentrations would be expected to be elevated above background Upper Prediction Limits (UPLs) in the compliance wells. The UPL is an upper bound on background concentrations calculated for comparing downgradient measurements to background. Leachate samples collected from the landfill have elevated boron and sulfate concentrations, indicating that boron and sulfate are a site-specific indicator for CCR (**Appendix A**). Wells G106 and G120 had concentrations of boron and sulfate below their respective UPLs (0.39 milligrams per liter [mg/L] for boron and 351 mg/L for sulfate). Concentrations of boron and sulfate below the UPLs indicate that G106 and G120 have not been affected by CCR. Therefore, the landfill is not the source of the SSIs.

4. CONCLUSIONS

Based on the three LOEs below, it has been demonstrated that the landfill is not the source of, and has not contributed to, the SSIs of chloride in G120 or pH in G106.

1. Landfill liner design exceeds design criteria for new CCR landfills established by 40 C.F.R. § 257.70.
2. The major ion composition of landfill groundwater is similar to background and distinct from landfill leachate/porewater.
3. Boron and sulfate concentrations in compliance groundwater monitoring wells do not exceed background limits.

This information serves as the written ASD prepared in accordance with 40 C.F.R. § 257.94(e)(2) that the SSIs observed during the detection monitoring program D12 sampling event were not due to the CCR unit. Therefore, an assessment monitoring program is not required, and the landfill will remain in detection monitoring.

5. REFERENCES

Electric Power Research Institute [EPRI], 2012. Groundwater Quality Signatures for Assessing Potential Impacts from Coal Combustion Product Leachate, Report 1017923. October 2012.

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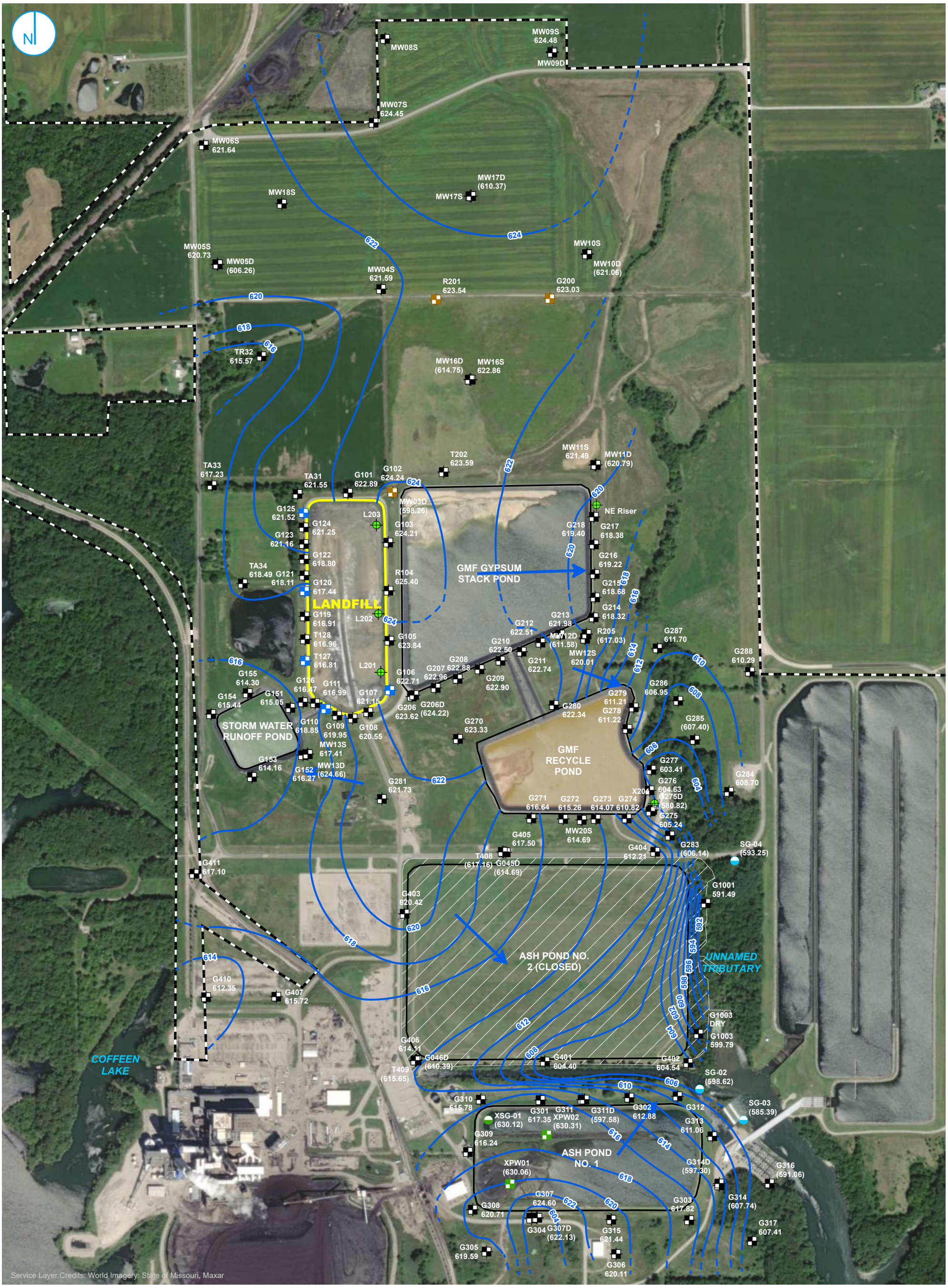
Ramboll Americas Engineering Solutions, Inc. (Ramboll), 2021. Hydrogeologic Site Characterization Report. Coffeen Power Plant, Gypsum Management Facility Gypsum Stack Pond, Coffeen, Illinois. Illinois Power Generating Company. October 25, 2021.

United States Environmental Protection Agency (USEPA), 1993. Solid Waste Disposal Facility Criteria: Technical Manual EPA530-R-93-017. Solid Waste and Emergency Response (5305). November 1993.

FIGURES



- COMPLIANCE MONITORING WELL
- BACKGROUND MONITORING WELL
- PORE WATER WELL
- LEACHATE WELL
- MONITORING WELL
- STAFF GAGE, CCR UNIT
- STAFF GAGE, RIVER

- 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)

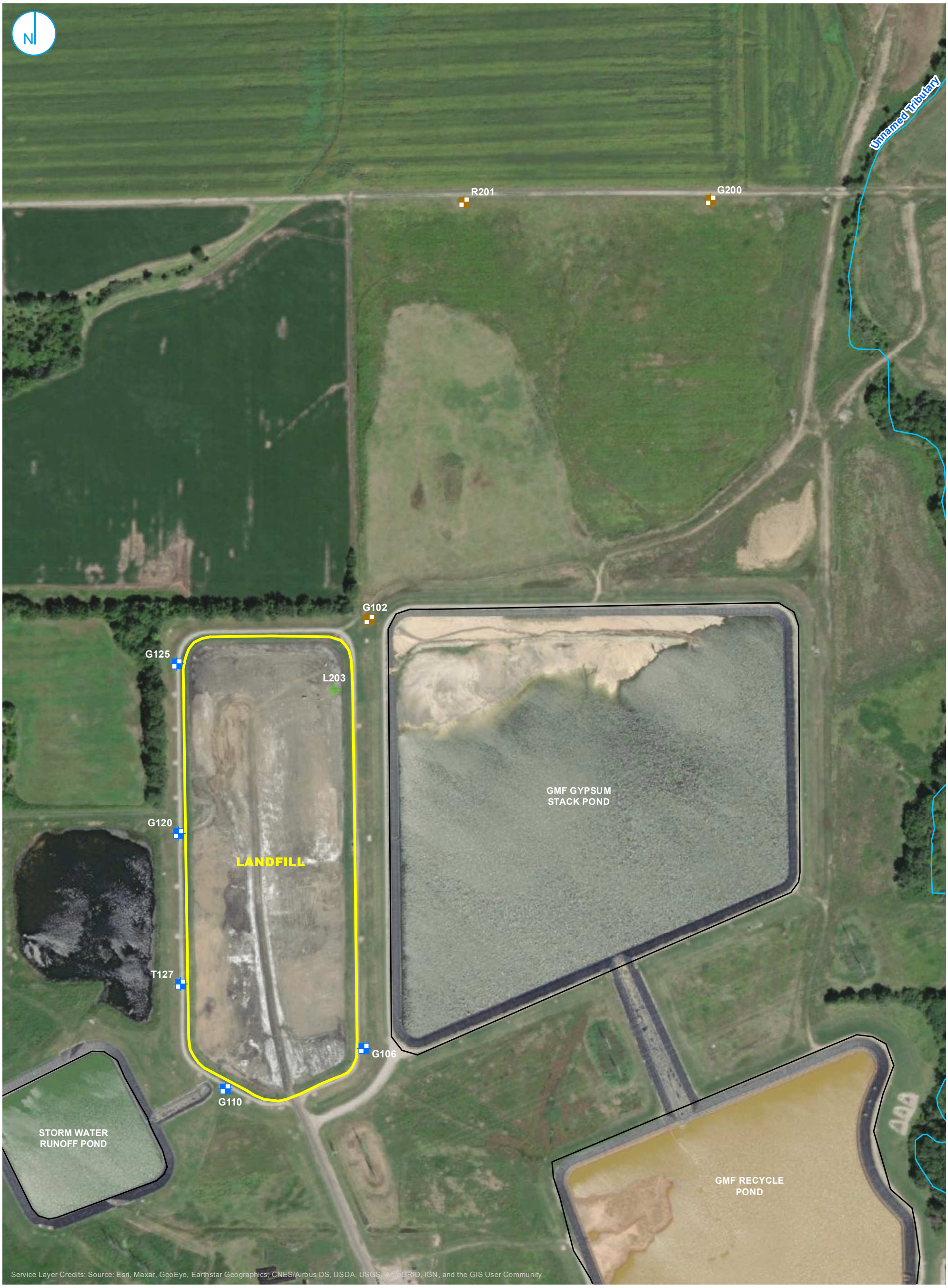
POTENTIOMETRIC SURFACE MAP FEBRUARY 13 AND 14, 2023

ALTERNATE SOURCE DEMONSTRATION
LANDFILL (UNIT ID:105)
COFFEEN POWER PLANT
COFFEEN, ILLINOIS

FIGURE 1

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.

RAMBOLL



BACKGROUND WELL
COMPLIANCE WELL
LEACHATE WELL
REGULATED UNIT (SUBJECT UNIT)
SITE FEATURE
SURFACE WATER FEATURE

0 150 300 Feet

SAMPLE LOCATION MAP

ALTERNATE SOURCE DEMONSTRATION
LANDFILL (UNIT ID:105)
COFFEEN POWER PLANT
COFFEEN, ILLINOIS

FIGURE 2

RAMBOLL AMERICAS ENGINEERING SOLUTIONS, INC.

RAMBOLL

APPENDIX A
SUPPORTING LEACHATE ANALYTICAL DATA

APPENDIX A.
SUPPORTING LEACHATE ANALYTICAL DATA
40 C.F.R. § 257: ALTERNATIVE SOURCE DEMONSTRATION
COFFEEN POWER PLANT
LANDFILL
COFFEEN, IL

Well ID	Well Type	Date	Parameter	Result	Unit
L203	Leachate	08/26/2020	Boron, total	13.0	mg/L
L203	Leachate	02/01/2021	Boron, total	9.90	mg/L
L203	Leachate	08/23/2021	Boron, total	13.0	mg/L
L203	Leachate	11/29/2021	Boron, total	13.0	mg/L
L203	Leachate	05/07/2020	Sulfate, total	7,800	mg/L
L203	Leachate	08/26/2020	Sulfate, total	7,800	mg/L
L203	Leachate	02/01/2021	Sulfate, total	7,700	mg/L
L203	Leachate	08/23/2021	Sulfate, total	8,500	mg/L
L203	Leachate	11/29/2021	Sulfate, total	8,700	mg/L
L203	Leachate	06/15/2022	Sulfate, total	8,800	mg/L
L203	Leachate	08/23/2022	Sulfate, total	8,900	mg/L
L203	Leachate	02/15/2023	Sulfate, total	8,400	mg/L

Notes:
mg/L = milligrams per liter