Prepared for
Dynegy Midwest Generation, LLC

Date
January 31, 2025

Project No.
1940106781-001

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

BOTTOM ASH POND

BALDWIN POWER PLANT

BALDWIN, ILLINOIS

CCR UNIT 601

RAMBOLL Bright ideas. Sustainable change.

2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT BALDWIN POWER PLANT BOTTOM ASH POND

Project name	**Baldwin Power Plant Bottom Ash Pond**
Project no.	**1940106781-001**
Recipient	**Dynegy Midwest Generation, LLC**
Document type	**Annual Groundwater Monitoring and Corrective Action Report**
Version	**FINAL**
Date	**January 31, 2025**
Prepared by	**Evvan G. Plank**
Checked by	**Lauren D. Cook**
Approved by	**Brian G. Hennings, PG**
Description	**Annual Report required by 40 C.F.R. § 257.90(e)**

Ramboll
234 W. Florida Street
Fifth Floor
Milwaukee, WI 53204
USA

T 414-837-3607
F 414-837-3608
https://ramboll.com

Evvan G. Plank
Project Hydrogeologist

Brian G. Hennings, PG
Project Officer, Hydrogeology

CONTENTS

EXECUTIVE SUMMARY **3**
1. Introduction **4**
2. Monitoring and Corrective Action Program Status **6**
3. Key Actions Completed in 2024 **7**
4. Problems Encountered and Actions to Resolve the Problems **10**
5. Key Activities Planned for 2025 **11**
6. References **12**

TABLES (IN TEXT)

Table A Groundwater Monitoring System Updates
Table B 2024 Assessment Monitoring Program Summary

TABLES (ATTACHED)

Table 1 Groundwater Elevation Data
Table 2 Analytical Results - Appendix III Parameters
Table 3 Analytical Results - Appendix IV Parameters
Table 4 Statistical Background Values
Table 5 Groundwater Protection Standards
Table 6 Determination of Statistically Significant Levels

FIGURES (ATTACHED)

Figure 1 Monitoring Well Location Map
Figure 2 Potentiometric Surface Map, February 5, 2024
Figure 3 Potentiometric Surface Map, April 15, 2024
Figure 4 Potentiometric Surface Map, July 15, 2024
Figure 5 Potentiometric Surface Map, October 14, 2024

APPENDICES

Appendix A Laboratory Reports and Field Data Sheets
Appendix B Statistical Methodology for Determination of Background Values
Appendix C Background Update Supporting Information
Appendix D Statistical Methodology for Determination of Statistically Significant Levels
Appendix E Alternative Source Demonstration

ACRONYMS AND ABBREVIATIONS

35 I.A.C.	Title 35 of the Illinois Administrative Code
40 C.F.R.	Title 40 of the Code of Federal Regulations
A7	Quarter 1, 2024 sampling event
A7R	Quarter 2, 2024 sampling event
A7D	Quarter 3, 2024 sampling event
A7DR	Quarter 4, 2024 sampling event
BAP	Bottom Ash Pond
ASD	Alternative Source Demonstration
BPP	Baldwin Power Plant
CCR	coal combustion residuals
CMA	Corrective Measures Assessment
GWPS	groundwater protection standard
IEPA	Illinois Environmental Protection Agency
NA	not applicable
Ramboll	Ramboll Americas Engineering Solutions, Inc.
SAP	Sampling and Analysis Plan
SSI	statistically significant increase
SSL	statistically significant level
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 Bottom Ash Pond (BAP) located at the Baldwin Power Plant (BPP) near Baldwin, Illinois.

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

In 2024, background monitoring well MW-306 was abandoned at the BAP due to suspected grout contamination and background monitoring well MW-358 was replaced with MW-358R due to a compromised well casing. Updates to the Groundwater Monitoring Plan (Ramboll Americas Engineering Solutions, Inc. [Ramboll], 2023a) to reflect these changes are pending.

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

- Fluoride at well MW-392
- Fluoride at well MW-393
- Lithium at well MW-370

An Alternative Source Demonstration (ASD) was completed in 2024 for the fluoride and lithium SSLs referenced above.

Since SSLs of 40 C.F.R. § 257 Appendix IV parameters over GWPSs were addressed by an ASD, a Corrective Measures Assessment (CMA) is not required. Statistically significant increases (SSIs) of Appendix III parameters above background values were determined as discussed in **Section 3**; therefore, the BAP remains in the Assessment Monitoring Program.

1. INTRODUCTION

This report has been prepared by Ramboll on behalf of Dynegy Midwest Generation, LLC, to provide the information required by 40 C.F.R. § 257.90(e) for the BAP located at the BPP near Baldwin, Illinois.

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

1. A map, aerial image, or diagram showing the CCR unit and all background (or upgradient) and downgradient monitoring wells, to include the well identification numbers, that are part of the groundwater monitoring program for the CCR unit (**Figure 1**).
2. Identification of any monitoring wells that were installed or decommissioned during the preceding year, along with a narrative description of why those actions were taken (**Section 3**, **paragraph 1**).
3. In addition to all the monitoring data obtained under §§ 257.90 through 257.98, a summary including the number of groundwater samples that were collected for analysis for each background and downgradient well, the dates the samples were collected, and whether the sample was required by the Detection Monitoring or Assessment Monitoring Programs (**Section 3, Table A**).
4. A narrative discussion of any transition between monitoring programs (*e.g.*, the date and circumstances for transitioning from Detection Monitoring to Assessment Monitoring in addition to identifying the constituent(s) detected at a statistically significant increase relative to background levels) (**Section 2**).
5. Other information required to be included in the annual report as specified in §§ 257.90 through 257.98.
6. A section at the beginning of the annual report that provides an overview of the current status of groundwater monitoring and corrective action programs for the CCR unit (see **Executive Summary**). At a minimum, the summary must specify all of the following:
    i. At the start of the current annual reporting period, whether the CCR unit was operating under the Detection Monitoring Program in §257.94 or the Assessment Monitoring Program in §257.95.
    ii. At the end of the current annual reporting period, whether the CCR unit was operating under the Detection Monitoring Program in §257.94 or the Assessment Monitoring Program in §257.95.
    iii. If it was determined that there was a SSI 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 SSL above the 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 BAP for calendar year 2024.

2. MONITORING AND CORRECTIVE ACTION PROGRAM STATUS

No changes have occurred to the monitoring program status in calendar year 2024 and the BAP remains in the Assessment Monitoring Program in accordance with 40 C.F.R. § 257.95.

3. KEY ACTIONS COMPLETED IN 2024

The groundwater monitoring system, including the CCR unit and all background and compliance monitoring wells, is presented in **Figure 1**. Background monitoring well MW-306 was abandoned at the BAP due to suspected grout contamination and background monitoring well MW-358 was replaced with MW-358R due to a compromised well casing. Updates to the monitoring system are summarized in **Table A** below.

Table A. Groundwater Monitoring System Updates

Well type	40 C.F.R. § 257 (2015-2021)	40 C.F.R. § 257/ 35 I.A.C. § 845 (2022)	40 C.F.R. § 257/ 35 I.A.C. § 845 (after July 2023)	40 C.F.R. § 257/ 35 I.A.C. § 845 (after October 2024)
Background	MW-304	MW-304	MW-304	MW-304
Background	MW-306	MW-306	MW-306	
Compliance	MW-356	MW-356	MW-356	MW-356
Compliance	MW-369	MW-369	MW-369	MW-369
Compliance	MW-370	MW-370	MW-370	MW-370
Compliance	MW-382	MW-382	MW-382	MW-382
WLO	TZP-164	TZP-164	TZP-164	TZP-164
Compliance		OW-256	OW-256	OW-256
Compliance		OW-257	OW-257	OW-257
Compliance		PZ-170	PZ-170	PZ-170
Compliance		PZ-182	PZ-182	PZ-182
Compliance			MW-192	MW-192
Compliance			MW-193	MW-193
Background			MW-358	MW-358R
Compliance			MW-392	MW-392
Compliance			MW-393	MW-393
Compliance			MW-394	MW-394
WLO			XPW01	XPW01
WLO			XWP05	XWP05
WLO			XPW06	XPW06

A summary of the samples collected from background and compliance monitoring wells in 2023 under the Assessment Monitoring Program is included in **Table B** later in this section. One groundwater sample was collected from each background and compliance well during each monitoring event. The BAP is also regulated under 35 I.A.C. § 845, which requires quarterly monitoring. The groundwater monitoring systems for both programs (35 I.A.C. § 845 and 40 C.F.R. § 257) are identical, so all available data from the four quarterly monitoring events in 2024 are included in this report. All samples were collected and analyzed in accordance with the Multi-Site Sampling and Analysis Plan (SAP) (Ramboll, 2023b). Data collected in accordance with

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

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

Analytical data were evaluated in accordance with the Multi-Site Statistical Analysis Plan (Ramboll, 2022a), the Multi-Site Quality Assurance Project Plan (Ramboll, 2022b), and the Multi-Site Data Management Plan (Ramboll, 2022c) to determine any SSLs of Appendix IV parameters over GWPSs and SSIs of Appendix III parameters greater than background values. SSL notifications were completed in accordance with 40 C.F.R. § 257.95(g). SSIs are highlighted in **Table 2**. Statistical background values are provided in **Table 4** and a flow chart showing the statistical methodology for determination of background values is included as **Appendix B**. Background concentrations were recalculated following the removal of MW-306 from the monitoring system. Updated background concentrations are summarized on **Tables 4 and 5**, and characteristics of the background data set are provided in **Appendix C**. GWPS values are provided in **Table 5**. Additional information to support the background update evaluation is provided in **Appendix C**. A summary of the determination of SSLs is included in **Table 6**. A flow chart showing the statistical methodology for determination of SSLs is included as **Appendix D**.

Potential alternative sources were evaluated as outlined in the 40 C.F.R. § 257.94(e)(2). An ASD was completed in 2024 for the SSLs summarized in **Table B**. The date the ASD was completed is also provided in **Table B**. The ASD was certified by a qualified professional engineer and is included in **Appendix E**. The BAP remains in the Assessment Monitoring Program.

Table B. 2024 Assessment Monitoring Program Summary

Event ID	Sampling Dates [1]	Analytical Data Receipt Date [2]	SSL(s) Determination Date	SSL(s)	ASD Completion Date
A7	February 5 - 8, 2024 [3, 4]	March 11, 2024	June 9, 2024	Fluoride at well MW-393, Lithium at well MW-370	September 7, 2024
A7R	April 16 – 18, 2024[3, 4]	May 20, 2024	NA	NA	NA
A7D	July 17 – 22, 2024[3, 4]	August 26, 2024	November 24, 2024	Fluoride at well MW-392 and MW-393, Lithium at MW-370	TBD
A7DR	October 15 – November 1, 2024[4, 5]	December 6, 2024	NA	NA	NA

Notes:

ASD: Alternative Source Demonstration

NA: not applicable

SSL: Statistically Significant Level

TBD: to be determined after January 31, 2025

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

[2] Data collected in accordance with 35 I.A.C. § 845 was included for statistical calculations performed in accordance with 40 C.F.R. § 257.95(d)(1); however, SSLs are reported semiannually per 40 C.F.R. § 257.

[3] The following background wells were sampled: MW-304, MW-358

[4] The following compliance wells were sampled: MW-192, MW-193, MW-356, MW-369, MW-370, MW-382, MW-392, MW-393, MW-394, OW-256, OW-257, PZ-170, and PZ-182

[5] The following background wells were sampled: MW-304 and MW-358R

4. PROBLEMS ENCOUNTERED AND ACTIONS TO RESOLVE THE PROBLEMS

Background monitoring well MW-306 was abandoned in Quarter 2, 2024 due to suspected grout contamination and was abandoned. As noted in **Section 3**, background concentrations were updated to exclude all data from MW-306 (**Tables 4 and 5** and **Appendix C**).

In Quarter 3, 2024, it was determined that background monitoring well MW-358 was compromised. MW-358 was abandoned in October 2024, and replaced with monitoring well MW-358R. The replacement monitoring well MW-358R was sampled during the Quarter 4, 2024 event. Background concentrations were updated as described above (to exclude data from former background well MW-306) before MW-358 became compromised based upon observed concentrations at that well. Consequently, further updates to background are not necessary at this time, and data from background well MW-358 generated after it became compromised (*i.e.*, data collected during 2024) will be excluded from future background updates. The populations of data collected from MW-358 prior to 2024 and from MW-358R will be compared once eight samples have been collected from MW-358R to determine if data from MW-358 and MW-358R should be pooled for the purposes of updating background concentrations.

Updates to the Groundwater Monitoring Plan (Ramboll, 2023a) to reflect these changes are pending.

Groundwater samples were collected and analyzed in accordance with the SAP and all data were accepted.

5. KEY ACTIVITIES PLANNED FOR 2025

The following key activities are planned for 2025:

- Continuation of the Assessment Monitoring Program with semiannual sampling for reporting purposes scheduled for the first and third quarters of 2025 (and sampling for 35 I.A.C. § 845 scheduled for the second and fourth quarters).
- Complete evaluation of analytical data from the compliance wells to determine whether an SSL of Appendix IV parameters above GWPSs has occurred.
- If an SSL is identified, potential alternative sources (*i.e.,* a source other than the CCR unit caused the SSL or that the SSL resulted from error in sampling, analysis, statistical evaluation, or natural variation in groundwater quality) will be evaluated.
  - If an alternative source is identified to be the cause of the SSL, a written demonstration will be completed within 90 days of SSL determination and included in the 2025 Annual Groundwater Monitoring and Corrective Action Report.
  - If an alternative source(s) is not identified to be the cause of the SSL, the applicable requirements of 40 C.F.R. §§ 257.94 through 257.98 (*e.g.,* assessment of corrective measures) as may apply in 2025 will be met, including associated recordkeeping/notifications required by 40 C.F.R. §§ 257.105 through 257.108.

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, Bottom Ash Pond, Baldwin Power Plant, Baldwin, Illinois. July 26, 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
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	Well Type	Monitored Unit	Date	Depth to Groundwater (feet BMP)	Groundwater Elevation (feet NAVD88)
MW-192	Compliance	UU	01/10/2024	8.53	428.58
MW-192	Compliance	UU	02/05/2024	8.32	428.79
MW-192	Compliance	UU	03/15/2024	8.19	428.91
MW-192	Compliance	UU	04/15/2024	8.17	428.94
MW-192	Compliance	UU	05/15/2024	8.04	429.07
MW-192	Compliance	UU	06/15/2024	8.07	429.03
MW-192	Compliance	UU	07/15/2024	8.29	428.82
MW-192	Compliance	UU	08/14/2024	8.18	428.87
MW-192	Compliance	UU	09/14/2024	8.23	428.82
MW-192	Compliance	UU	10/14/2024	8.42	428.64
MW-192	Compliance	UU	11/10/2024	8.37	428.68
MW-192	Compliance	UU	12/10/2024	8.98	428.08
MW-193	Compliance	UU	01/10/2024	9.13	429.10
MW-193	Compliance	UU	02/05/2024	8.94	429.29
MW-193	Compliance	UU	03/15/2024	8.93	429.29
MW-193	Compliance	UU	04/15/2024	8.89	429.34
MW-193	Compliance	UU	05/15/2024	9.52	428.70
MW-193	Compliance	UU	06/15/2024	9.57	428.65
MW-193	Compliance	UU	07/15/2024	9.01	429.22
MW-193	Compliance	UU	08/14/2024	9.06	429.11
MW-193	Compliance	UU	09/14/2024	9.02	429.15
MW-193	Compliance	UU	10/14/2024	8.97	429.21
MW-193	Compliance	UU	11/10/2024	DM[7]	
MW-193	Compliance	UU	12/10/2024	9.10	429.08
MW-304	Background	UA	01/10/2024	9.70	445.66
MW-304	Background	UA	02/05/2024	9.52	445.84
MW-304	Background	UA	03/15/2024	9.28	446.07
MW-304	Background	UA	04/15/2024	9.26	446.10
MW-304	Background	UA	05/15/2024	8.93	446.42
MW-304	Background	UA	06/15/2024	9.08	446.27
MW-304	Background	UA	07/15/2024	9.11	446.25
MW-304	Background	UA	08/14/2024	9.32	445.98
MW-304	Background	UA	09/14/2024	9.49	445.81
MW-304	Background	UA	10/14/2024	9.64	445.67
MW-304	Background	UA	11/10/2024	9.33	445.97
MW-304	Background	UA	12/10/2024	9.39	445.92
MW-306	Background	UA	01/10/2024	17.89	435.45
MW-306	Background	UA	02/05/2024	17.76	435.58
MW-306	Background	UA	03/15/2024	17.50	435.83
MW-306	Background	UA	04/15/2024	17.54	435.80
MW-356	Compliance	UA	01/10/2024	4.85	422.92
MW-356	Compliance	UA	02/05/2024	4.77	423.00
MW-356	Compliance	UA	03/15/2024	4.65	423.11
MW-356	Compliance	UA	04/15/2024	4.64	423.13
MW-356	Compliance	UA	05/15/2024	2.56	425.20
MW-356	Compliance	UA	06/15/2024	2.57	425.19

TABLE 1
GROUNDWATER ELEVATION DATA
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	Well Type	Monitored Unit	Date	Depth to Groundwater (feet BMP)	Groundwater Elevation (feet NAVD88)
MW-356	Compliance	UA	07/15/2024	3.56	424.21
MW-356	Compliance	UA	08/14/2024	4.56	423.22
MW-356	Compliance	UA	09/14/2024	4.68	423.10
MW-356	Compliance	UA	10/14/2024	4.72	423.07
MW-356	Compliance	UA	11/10/2024	4.46	423.32
MW-356	Compliance	UA	12/10/2024	4.62	423.17
MW-358	Background	UA	01/10/2024	7.55	448.35
MW-358	Background	UA	02/05/2024	5.71	450.19
MW-358	Background	UA	03/15/2024	5.55	450.34
MW-358	Background	UA	04/15/2024	3.81	452.09
MW-358	Background	UA	05/15/2024	1.09	454.79
MW-358	Background	UA	06/15/2024	2.04	453.85
MW-358	Background	UA	07/15/2024	2.17	453.73
MW-358R	Background	UA	10/14/2024	DM[3]	
MW-358R	Background	UA	11/10/2024	DM[1]	
MW-358R	Background	UA	12/10/2024	50.43	NA
MW-369	Compliance	UA	01/10/2024	13.14	409.74
MW-369	Compliance	UA	02/05/2024	11.98	410.90
MW-369	Compliance	UA	03/15/2024	11.69	411.18
MW-369	Compliance	UA	04/15/2024	10.43	412.45
MW-369	Compliance	UA	05/15/2024	10.01	412.86
MW-369	Compliance	UA	06/15/2024	11.95	410.92
MW-369	Compliance	UA	07/15/2024	12.17	410.71
MW-369	Compliance	UA	08/14/2024	13.53	409.16
MW-369	Compliance	UA	09/14/2024	14.36	408.33
MW-369	Compliance	UA	10/14/2024	13.61	409.09
MW-369	Compliance	UA	11/10/2024	12.03	410.66
MW-369	Compliance	UA	12/10/2024	12.57	410.13
MW-370	Compliance	UA	01/10/2024	18.43	402.59
MW-370	Compliance	UA	02/05/2024	18.19	402.83
MW-370	Compliance	UA	03/15/2024	18.01	403.00
MW-370	Compliance	UA	04/15/2024	18.00	403.02
MW-370	Compliance	UA	05/15/2024	17.98	403.03
MW-370	Compliance	UA	06/15/2024	18.31	402.70
MW-370	Compliance	UA	07/15/2024	18.44	402.58
MW-370	Compliance	UA	08/14/2024	18.67	402.09
MW-370	Compliance	UA	09/14/2024	18.89	401.87
MW-370	Compliance	UA	10/14/2024	18.88	401.89
MW-370	Compliance	UA	11/10/2024	18.24	402.52
MW-370	Compliance	UA	12/10/2024	18.32	402.45
MW-382	Compliance	UA	01/10/2024	17.27	414.09
MW-382	Compliance	UA	02/05/2024	16.68	414.68
MW-382	Compliance	UA	03/15/2024	16.49	414.86
MW-382	Compliance	UA	04/15/2024	16.46	414.90
MW-382	Compliance	UA	05/15/2024	16.15	415.20
MW-382	Compliance	UA	06/15/2024	16.28	415.07

TABLE 1
GROUNDWATER ELEVATION DATA
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	Well Type	Monitored Unit	Date	Depth to Groundwater (feet BMP)	Groundwater Elevation (feet NAVD88)
MW-382	Compliance	UA	07/15/2024	16.35	415.01
MW-382	Compliance	UA	08/14/2024	16.13	414.97
MW-382	Compliance	UA	09/14/2024	16.37	414.73
MW-382	Compliance	UA	10/14/2024	16.59	414.52
MW-382	Compliance	UA	11/10/2024	15.91	415.19
MW-382	Compliance	UA	12/10/2024	16.32	414.79
MW-392	Compliance	UA	01/10/2024	9.25	427.94
MW-392	Compliance	UA	02/05/2024	8.97	428.22
MW-392	Compliance	UA	03/15/2024	8.53	428.66
MW-392	Compliance	UA	04/15/2024	8.80	428.39
MW-392	Compliance	UA	05/15/2024	8.57	428.61
MW-392	Compliance	UA	06/15/2024	8.64	428.55
MW-392	Compliance	UA	07/15/2024	8.97	428.22
MW-392	Compliance	UA	08/14/2024	8.85	428.23
MW-392	Compliance	UA	09/14/2024	8.91	428.17
MW-392	Compliance	UA	10/14/2024	9.21	427.88
MW-392	Compliance	UA	11/10/2024	8.39	428.69
MW-392	Compliance	UA	12/10/2024	8.31	428.78
MW-393	Compliance	UA	01/10/2024	8.44	429.59
MW-393	Compliance	UA	02/05/2024	8.29	429.74
MW-393	Compliance	UA	03/15/2024	8.56	429.47
MW-393	Compliance	UA	04/15/2024	8.27	429.76
MW-393	Compliance	UA	05/15/2024	7.75	430.27
MW-393	Compliance	UA	06/15/2024	7.70	430.32
MW-393	Compliance	UA	07/15/2024	8.34	429.69
MW-393	Compliance	UA	08/14/2024	8.62	429.40
MW-393	Compliance	UA	09/14/2024	8.61	429.41
MW-393	Compliance	UA	10/14/2024	8.33	429.70
MW-393	Compliance	UA	11/10/2024	DM[7]	
MW-393	Compliance	UA	12/10/2024	8.06	429.97
MW-394	Compliance	UA	01/10/2024	6.78	431.68
MW-394	Compliance	UA	02/05/2024	6.72	431.74
MW-394	Compliance	UA	03/15/2024	7.06	431.40
MW-394	Compliance	UA	04/15/2024	6.60	431.86
MW-394	Compliance	UA	05/15/2024	6.19	432.26
MW-394	Compliance	UA	06/15/2024	6.47	431.98
MW-394	Compliance	UA	07/15/2024	6.64	431.82
MW-394	Compliance	UA	08/14/2024	DM[7]	
MW-394	Compliance	UA	09/14/2024	DM[7]	
MW-394	Compliance	UA	10/14/2024	6.79	431.61
MW-394	Compliance	UA	11/10/2024	DM[7]	
MW-394	Compliance	UA	12/10/2024	7.61	430.79
OW-256	Compliance	PMP	01/10/2024	10.85	417.02
OW-256	Compliance	PMP	02/05/2024	9.45	418.42
OW-256	Compliance	PMP	03/15/2024	8.85	419.01
OW-256	Compliance	PMP	04/15/2024	7.55	420.32

TABLE 1
GROUNDWATER ELEVATION DATA
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	Well Type	Monitored Unit	Date	Depth to Groundwater (feet BMP)	Groundwater Elevation (feet NAVD88)
OW-256	Compliance	PMP	05/15/2024	6.18	421.68
OW-256	Compliance	PMP	06/15/2024	9.72	418.14
OW-256	Compliance	PMP	07/15/2024	9.56	418.31
OW-256	Compliance	PMP	08/14/2024	11.72	416.40
OW-256	Compliance	PMP	09/14/2024	13.34	414.78
OW-256	Compliance	PMP	10/14/2024	11.76	416.37
OW-256	Compliance	PMP	11/10/2024	8.62	419.50
OW-256	Compliance	PMP	12/10/2024	8.71	419.42
OW-257	Compliance	PMP	01/10/2024	6.72	424.47
OW-257	Compliance	PMP	02/05/2024	6.19	425.00
OW-257	Compliance	PMP	03/15/2024	5.74	425.44
OW-257	Compliance	PMP	04/15/2024	5.54	425.65
OW-257	Compliance	PMP	05/15/2024	5.28	425.90
OW-257	Compliance	PMP	06/15/2024	6.03	425.15
OW-257	Compliance	PMP	07/15/2024	6.35	424.84
OW-257	Compliance	PMP	08/14/2024	6.76	424.34
OW-257	Compliance	PMP	09/14/2024	7.72	423.38
OW-257	Compliance	PMP	10/14/2024	7.11	424.00
OW-257	Compliance	PMP	11/10/2024	6.37	424.73
OW-257	Compliance	PMP	12/10/2024	5.75	425.36
PZ-170	Compliance	PMP	01/10/2024	15.90	405.37
PZ-170	Compliance	PMP	02/05/2024	15.43	405.84
PZ-170	Compliance	PMP	03/15/2024	14.97	406.29
PZ-170	Compliance	PMP	04/15/2024	14.17	407.10
PZ-170	Compliance	PMP	05/15/2024	13.51	407.75
PZ-170	Compliance	PMP	06/15/2024	14.72	406.54
PZ-170	Compliance	PMP	07/15/2024	15.14	406.13
PZ-170	Compliance	PMP	08/14/2024	15.71	405.35
PZ-170	Compliance	PMP	09/14/2024	16.49	404.57
PZ-170	Compliance	PMP	10/14/2024	16.15	404.92
PZ-170	Compliance	PMP	11/10/2024	14.66	406.40
PZ-170	Compliance	PMP	12/10/2024	14.84	406.23
PZ-182	Compliance	PMP	01/10/2024	18.53	413.25
PZ-182	Compliance	PMP	02/05/2024	17.84	413.94
PZ-182	Compliance	PMP	03/15/2024	17.59	414.18
PZ-182	Compliance	PMP	04/15/2024	16.92	414.86
PZ-182	Compliance	PMP	05/15/2024	16.26	415.51
PZ-182	Compliance	PMP	06/15/2024	18.22	413.55
PZ-182	Compliance	PMP	07/15/2024	17.96	413.82
PZ-182	Compliance	PMP	08/14/2024	8.98	422.34
PZ-182	Compliance	PMP	09/14/2024	9.81	421.51
PZ-182	Compliance	PMP	10/14/2024	8.89	422.44
PZ-182	Compliance	PMP	11/10/2024	17.16	414.16
PZ-182	Compliance	PMP	12/10/2024	17.42	413.91
TPZ-164	Water Level	CCR	01/10/2024	DM^3	
TPZ-164	Water Level	CCR	02/05/2024	DM^3	

TABLE 1
GROUNDWATER ELEVATION DATA
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	Well Type	Monitored Unit	Date	Depth to Groundwater (feet BMP)	Groundwater Elevation (feet NAVD88)
TPZ-164	Water Level	CCR	03/15/2024	DM[3]	
TPZ-164	Water Level	CCR	04/15/2024	3.66	431.61
TPZ-164	Water Level	CCR	05/15/2024	DM[1]	
TPZ-164	Water Level	CCR	06/15/2024	DM[1]	
TPZ-164	Water Level	CCR	07/15/2024	4.36	430.91
TPZ-164	Water Level	CCR	08/14/2024	DM[1]	
TPZ-164	Water Level	CCR	09/14/2024	DM[1]	
TPZ-164	Water Level	CCR	10/14/2024	4.45	430.60
TPZ-164	Water Level	CCR	11/10/2024	DM[1]	
TPZ-164	Water Level	CCR	12/10/2024	DM[1]	
XPW01	Water Level	CCR	01/10/2024	10.52	427.31
XPW01	Water Level	CCR	02/05/2024	9.82	428.01
XPW01	Water Level	CCR	03/15/2024	9.96	427.86
XPW01	Water Level	CCR	04/15/2024	9.70	428.13
XPW01	Water Level	CCR	05/15/2024	9.78	428.04
XPW01	Water Level	CCR	06/15/2024	10.27	427.54
XPW01	Water Level	CCR	07/15/2024	10.10	427.73
XPW01	Water Level	CCR	08/14/2024	10.48	427.30
XPW01	Water Level	CCR	09/14/2024	11.53	426.25
XPW01	Water Level	CCR	10/14/2024	10.84	426.95
XPW01	Water Level	CCR	11/10/2024	9.69	428.09
XPW01	Water Level	CCR	12/10/2024	10.09	427.70
XPW05	Water Level	CCR	01/10/2024	DM[3]	
XPW05	Water Level	CCR	02/05/2024	DM[3]	
XPW05	Water Level	CCR	03/15/2024	DM[1]	
XPW05	Water Level	CCR	04/15/2024	4.56	432.88
XPW05	Water Level	CCR	05/15/2024	DM[1]	
XPW05	Water Level	CCR	06/15/2024	DM[1]	
XPW05	Water Level	CCR	07/15/2024	5.13	432.31
XPW05	Water Level	CCR	08/14/2024	DM[1]	
XPW05	Water Level	CCR	09/14/2024	5.01	432.32
XPW05	Water Level	CCR	10/14/2024	5.12	432.21
XPW05	Water Level	CCR	11/10/2024	4.84	432.48
XPW05	Water Level	CCR	12/10/2024	4.84	432.49
XPW06	Water Level	CCR	01/10/2024	DM[1]	
XPW06	Water Level	CCR	02/05/2024	2.62	415.27
XPW06	Water Level	CCR	03/15/2024	DM[1]	
XPW06	Water Level	CCR	04/15/2024	1.21	416.68
XPW06	Water Level	CCR	05/15/2024	DM[1]	
XPW06	Water Level	CCR	06/15/2024	DM[1]	
XPW06	Water Level	CCR	07/15/2024	2.59	415.30
XPW06	Water Level	CCR	08/14/2024	DM[1]	
XPW06	Water Level	CCR	09/14/2024	DM[1]	
XPW06	Water Level	CCR	10/14/2024	2.59	415.14
XPW06	Water Level	CCR	11/10/2024	DM[1]	
XPW06	Water Level	CCR	12/10/2024	DM[1]	

TABLE 1
GROUNDWATER ELEVATION DATA
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

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

NA = not available/not applicable
NAVD88 = North American Vertical Datum of 1988
Monitored Unit Abbreviations:
- CCR = coal combustion residuals
- PMP = potential migration pathway
- UA = uppermost aquifer
- UU = upper unit

Generated 2024-12-31 11:12 by banoffra

TABLE 2
ANALYTICAL RESULTS - APPENDIX III PARAMETERS
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Well Type	Date	Event ID	Parameter	Unit	Result	Comparison Value	Background	SSI Type
MW-304	UA	Background	02/05/2024	A7	Boron, total	mg/L	1.53	--	--	--
MW-304	UA	Background	04/16/2024	A7R	Boron, total	mg/L	1.70	--	--	--
MW-304	UA	Background	07/17/2024	A7D	Boron, total	mg/L	1.47 J	--	--	--
MW-304	UA	Background	10/16/2024	A7DR	Boron, total	mg/L	1.90	--	--	--
MW-304	UA	Background	02/05/2024	A7	Calcium, total	mg/L	12.4	--	--	--
MW-304	UA	Background	04/16/2024	A7R	Calcium, total	mg/L	13.0	--	--	--
MW-304	UA	Background	07/17/2024	A7D	Calcium, total	mg/L	9.99	--	--	--
MW-304	UA	Background	10/16/2024	A7DR	Calcium, total	mg/L	11.0	--	--	--
MW-304	UA	Background	02/05/2024	A7	Chloride, total	mg/L	155	--	--	--
MW-304	UA	Background	04/16/2024	A7R	Chloride, total	mg/L	161	--	--	--
MW-304	UA	Background	07/17/2024	A7D	Chloride, total	mg/L	169	--	--	--
MW-304	UA	Background	10/16/2024	A7DR	Chloride, total	mg/L	169	--	--	--
MW-304	UA	Background	02/05/2024	A7	Fluoride, total	mg/L	1.77	--	--	--
MW-304	UA	Background	04/16/2024	A7R	Fluoride, total	mg/L	1.69	--	--	--
MW-304	UA	Background	07/17/2024	A7D	Fluoride, total	mg/L	1.69	--	--	--
MW-304	UA	Background	10/16/2024	A7DR	Fluoride, total	mg/L	1.82	--	--	--
MW-304	UA	Background	02/05/2024	A7	pH (field)	SU	7.7	--	--	--
MW-304	UA	Background	04/16/2024	A7R	pH (field)	SU	7.8	--	--	--
MW-304	UA	Background	07/17/2024	A7D	pH (field)	SU	7.7	--	--	--
MW-304	UA	Background	10/16/2024	A7DR	pH (field)	SU	7.5	--	--	--
MW-304	UA	Background	02/05/2024	A7	Sulfate, total	mg/L	185	--	--	--
MW-304	UA	Background	04/16/2024	A7R	Sulfate, total	mg/L	195	--	--	--
MW-304	UA	Background	07/17/2024	A7D	Sulfate, total	mg/L	201	--	--	--
MW-304	UA	Background	10/16/2024	A7DR	Sulfate, total	mg/L	190	--	--	--
MW-304	UA	Background	02/05/2024	A7	Total Dissolved Solids	mg/L	1,440	--	--	--
MW-304	UA	Background	04/16/2024	A7R	Total Dissolved Solids	mg/L	1,340	--	--	--
MW-304	UA	Background	07/17/2024	A7D	Total Dissolved Solids	mg/L	1,520	--	--	--
MW-304	UA	Background	10/16/2024	A7DR	Total Dissolved Solids	mg/L	1,500	--	--	--
MW-358	UA	Background	02/06/2024	A7	Boron, total	mg/L	0.771	--	--	--
MW-358	UA	Background	04/17/2024	A7R	Boron, total	mg/L	0.277 J+	--	--	--
MW-358	UA	Background	07/18/2024	A7D	Boron, total	mg/L	0.142	--	--	--
MW-358	UA	Background	02/06/2024	A7	Calcium, total	mg/L	30.3	--	--	--
MW-358	UA	Background	04/17/2024	A7R	Calcium, total	mg/L	59.4	--	--	--
MW-358	UA	Background	07/18/2024	A7D	Calcium, total	mg/L	70.6	--	--	--
MW-358	UA	Background	02/06/2024	A7	Chloride, total	mg/L	917	--	--	--
MW-358	UA	Background	04/17/2024	A7R	Chloride, total	mg/L	458	--	--	--
MW-358	UA	Background	07/18/2024	A7D	Chloride, total	mg/L	101	--	--	--
MW-358	UA	Background	02/06/2024	A7	Fluoride, total	mg/L	2.40	--	--	--
MW-358	UA	Background	04/17/2024	A7R	Fluoride, total	mg/L	1.53	--	--	--
MW-358	UA	Background	07/18/2024	A7D	Fluoride, total	mg/L	0.750	--	--	--
MW-358	UA	Background	02/06/2024	A7	pH (field)	SU	7.9	--	--	--
MW-358	UA	Background	04/17/2024	A7R	pH (field)	SU	7.7	--	--	--
MW-358	UA	Background	07/18/2024	A7D	pH (field)	SU	7.6	--	--	--
MW-358	UA	Background	02/06/2024	A7	Sulfate, total	mg/L	20.0	--	--	--
MW-358	UA	Background	04/17/2024	A7R	Sulfate, total	mg/L	19.0	--	--	--
MW-358	UA	Background	07/18/2024	A7D	Sulfate, total	mg/L	88.0	--	--	--

TABLE 2
ANALYTICAL RESULTS - APPENDIX III PARAMETERS
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Well Type	Date	Event ID	Parameter	Unit	Result	Comparison Value	Background	SSI Type
MW-358	UA	Background	02/06/2024	A7	Total Dissolved Solids	mg/L	2,280	--	--	--
MW-358	UA	Background	04/17/2024	A7R	Total Dissolved Solids	mg/L	1,430	--	--	--
MW-358	UA	Background	07/18/2024	A7D	Total Dissolved Solids	mg/L	640	--	--	--
MW-358R	UA	Background	11/01/2024	A7DR	Boron, total	mg/L	0.945	--	--	--
MW-358R	UA	Background	11/01/2024	A7DR	Calcium, total	mg/L	48.6	--	--	--
MW-358R	UA	Background	11/01/2024	A7DR	Chloride, total	mg/L	1,040	--	--	--
MW-358R	UA	Background	11/01/2024	A7DR	Fluoride, total	mg/L	1.20	--	--	--
MW-358R	UA	Background	11/01/2024	A7DR	pH (field)	SU	7.7	--	--	--
MW-358R	UA	Background	11/01/2024	A7DR	Sulfate, total	mg/L	170	--	--	--
MW-358R	UA	Background	11/01/2024	A7DR	Total Dissolved Solids	mg/L	2,350	--	--	--
MW-192	UU	Compliance	02/06/2024	A7	Boron, total	mg/L	0.0387	0.0387	2.22	No Exceedance
MW-192	UU	Compliance	04/16/2024	A7R	Boron, total	mg/L	0.0296 J+	0.0296	2.22	No Exceedance
MW-192	UU	Compliance	07/17/2024	A7D	Boron, total	mg/L	0.0250 J	0.0250	2.22	No Exceedance
MW-192	UU	Compliance	10/15/2024	A7DR	Boron, total	mg/L	0.0672 J+	0.0672	2.22	No Exceedance
MW-192	UU	Compliance	02/06/2024	A7	Calcium, total	mg/L	71.5	71.5	17.8	Reported
MW-192	UU	Compliance	04/16/2024	A7R	Calcium, total	mg/L	72.4	72.4	17.8	Confirmed
MW-192	UU	Compliance	07/17/2024	A7D	Calcium, total	mg/L	62.2	62.2	17.8	Reported
MW-192	UU	Compliance	10/15/2024	A7DR	Calcium, total	mg/L	72.4	72.4	17.8	Confirmed
MW-192	UU	Compliance	02/06/2024	A7	Chloride, total	mg/L	20.0	20.0	1,370	No Exceedance
MW-192	UU	Compliance	04/16/2024	A7R	Chloride, total	mg/L	20.0	20.0	1,370	No Exceedance
MW-192	UU	Compliance	07/17/2024	A7D	Chloride, total	mg/L	20.0	20.0	1,370	No Exceedance
MW-192	UU	Compliance	10/15/2024	A7DR	Chloride, total	mg/L	19.8	19.8	1,370	No Exceedance
MW-192	UU	Compliance	02/06/2024	A7	Fluoride, total	mg/L	0.430	0.430	3.36	No Exceedance
MW-192	UU	Compliance	04/16/2024	A7R	Fluoride, total	mg/L	0.450	0.450	3.36	No Exceedance
MW-192	UU	Compliance	07/17/2024	A7D	Fluoride, total	mg/L	0.450	0.450	3.36	No Exceedance
MW-192	UU	Compliance	10/15/2024	A7DR	Fluoride, total	mg/L	0.41 J	0.25	3.36	No Exceedance
MW-192	UU	Compliance	02/06/2024	A7	pH (field)	SU	6.8	6.8	7.3/8.4	Reported
MW-192	UU	Compliance	04/16/2024	A7R	pH (field)	SU	7.0	7.0	7.3/8.4	Confirmed
MW-192	UU	Compliance	07/17/2024	A7D	pH (field)	SU	6.8	6.8	7.3/8.4	Reported
MW-192	UU	Compliance	10/15/2024	A7DR	pH (field)	SU	6.6	6.6	7.3/8.4	Confirmed
MW-192	UU	Compliance	02/06/2024	A7	Sulfate, total	mg/L	15.0	15.0	228	No Exceedance
MW-192	UU	Compliance	04/16/2024	A7R	Sulfate, total	mg/L	14.0 J-	14.0	228	No Exceedance
MW-192	UU	Compliance	07/17/2024	A7D	Sulfate, total	mg/L	18.0 J-	18.0	228	No Exceedance
MW-192	UU	Compliance	10/15/2024	A7DR	Sulfate, total	mg/L	15.0	15.0	228	No Exceedance
MW-192	UU	Compliance	02/06/2024	A7	Total Dissolved Solids	mg/L	450	450	3,260	No Exceedance
MW-192	UU	Compliance	04/16/2024	A7R	Total Dissolved Solids	mg/L	355	355	3,260	No Exceedance
MW-192	UU	Compliance	07/17/2024	A7D	Total Dissolved Solids	mg/L	430	430	3,260	No Exceedance
MW-192	UU	Compliance	10/15/2024	A7DR	Total Dissolved Solids	mg/L	450	450	3,260	No Exceedance
MW-193	UU	Compliance	02/06/2024	A7	Boron, total	mg/L	0.0496	0.0496	2.22	No Exceedance
MW-193	UU	Compliance	04/16/2024	A7R	Boron, total	mg/L	0.0584 J+	0.0584	2.22	No Exceedance
MW-193	UU	Compliance	07/17/2024	A7D	Boron, total	mg/L	0.0398	0.0398	2.22	No Exceedance
MW-193	UU	Compliance	10/15/2024	A7DR	Boron, total	mg/L	0.0524 J+	0.0524	2.22	No Exceedance
MW-193	UU	Compliance	02/06/2024	A7	Calcium, total	mg/L	84.6	84.6	17.8	Reported
MW-193	UU	Compliance	04/16/2024	A7R	Calcium, total	mg/L	94.3	94.3	17.8	Confirmed
MW-193	UU	Compliance	07/17/2024	A7D	Calcium, total	mg/L	74.6	74.6	17.8	Reported
MW-193	UU	Compliance	10/15/2024	A7DR	Calcium, total	mg/L	84.6	84.6	17.8	Confirmed

TABLE 2
ANALYTICAL RESULTS - APPENDIX III PARAMETERS
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Well Type	Date	Event ID	Parameter	Unit	Result	Comparison Value	Background	SSI Type
MW-193	UU	Compliance	02/06/2024	A7	Chloride, total	mg/L	33.0	33.0	1,370	No Exceedance
MW-193	UU	Compliance	04/16/2024	A7R	Chloride, total	mg/L	32.0	32.0	1,370	No Exceedance
MW-193	UU	Compliance	07/17/2024	A7D	Chloride, total	mg/L	32.0	32.0	1,370	No Exceedance
MW-193	UU	Compliance	10/15/2024	A7DR	Chloride, total	mg/L	31.4	31.4	1,370	No Exceedance
MW-193	UU	Compliance	02/06/2024	A7	Fluoride, total	mg/L	0.240	0.240	3.36	No Exceedance
MW-193	UU	Compliance	04/16/2024	A7R	Fluoride, total	mg/L	0.260	0.260	3.36	No Exceedance
MW-193	UU	Compliance	07/17/2024	A7D	Fluoride, total	mg/L	0.240	0.240	3.36	No Exceedance
MW-193	UU	Compliance	10/15/2024	A7DR	Fluoride, total	mg/L	0.23 J	0.25	3.36	No Exceedance
MW-193	UU	Compliance	02/06/2024	A7	pH (field)	SU	6.7	6.7	7.3/8.4	Reported
MW-193	UU	Compliance	04/16/2024	A7R	pH (field)	SU	6.8	6.8	7.3/8.4	Confirmed
MW-193	UU	Compliance	07/17/2024	A7D	pH (field)	SU	7.0	7.0	7.3/8.4	Reported
MW-193	UU	Compliance	10/15/2024	A7DR	pH (field)	SU	6.5	6.5	7.3/8.4	Confirmed
MW-193	UU	Compliance	02/06/2024	A7	Sulfate, total	mg/L	163	163	228	No Exceedance
MW-193	UU	Compliance	04/16/2024	A7R	Sulfate, total	mg/L	158	158	228	No Exceedance
MW-193	UU	Compliance	07/17/2024	A7D	Sulfate, total	mg/L	175	175	228	No Exceedance
MW-193	UU	Compliance	10/15/2024	A7DR	Sulfate, total	mg/L	151	151	228	No Exceedance
MW-193	UU	Compliance	02/06/2024	A7	Total Dissolved Solids	mg/L	572	572	3,260	No Exceedance
MW-193	UU	Compliance	04/16/2024	A7R	Total Dissolved Solids	mg/L	545	545	3,260	No Exceedance
MW-193	UU	Compliance	07/17/2024	A7D	Total Dissolved Solids	mg/L	596	596	3,260	No Exceedance
MW-193	UU	Compliance	10/15/2024	A7DR	Total Dissolved Solids	mg/L	614	614	3,260	No Exceedance
MW-356	UA	Compliance	02/07/2024	A7	Boron, total	mg/L	2.05	2.05	2.22	No Exceedance
MW-356	UA	Compliance	04/16/2024	A7R	Boron, total	mg/L	1.87	1.87	2.22	No Exceedance
MW-356	UA	Compliance	07/18/2024	A7D	Boron, total	mg/L	1.90	1.90	2.22	No Exceedance
MW-356	UA	Compliance	10/16/2024	A7DR	Boron, total	mg/L	2.05	2.05	2.22	No Exceedance
MW-356	UA	Compliance	02/07/2024	A7	Calcium, total	mg/L	12.0	12.0	17.8	No Exceedance
MW-356	UA	Compliance	04/16/2024	A7R	Calcium, total	mg/L	15.0	15.0	17.8	No Exceedance
MW-356	UA	Compliance	07/18/2024	A7D	Calcium, total	mg/L	12.4	12.4	17.8	No Exceedance
MW-356	UA	Compliance	10/16/2024	A7DR	Calcium, total	mg/L	12.2	12.2	17.8	No Exceedance
MW-356	UA	Compliance	02/07/2024	A7	Chloride, total	mg/L	31.0	31.0	1,370	No Exceedance
MW-356	UA	Compliance	04/16/2024	A7R	Chloride, total	mg/L	34.0	34.0	1,370	No Exceedance
MW-356	UA	Compliance	07/18/2024	A7D	Chloride, total	mg/L	31.0	31.0	1,370	No Exceedance
MW-356	UA	Compliance	10/16/2024	A7DR	Chloride, total	mg/L	29.5	29.5	1,370	No Exceedance
MW-356	UA	Compliance	02/07/2024	A7	Fluoride, total	mg/L	2.02	2.02	3.36	No Exceedance
MW-356	UA	Compliance	04/16/2024	A7R	Fluoride, total	mg/L	2.21	2.21	3.36	No Exceedance
MW-356	UA	Compliance	07/18/2024	A7D	Fluoride, total	mg/L	2.00	2.00	3.36	No Exceedance
MW-356	UA	Compliance	10/16/2024	A7DR	Fluoride, total	mg/L	2.10	2.10	3.36	No Exceedance
MW-356	UA	Compliance	02/07/2024	A7	pH (field)	SU	7.6	7.6	7.3/8.4	No Exceedance
MW-356	UA	Compliance	04/16/2024	A7R	pH (field)	SU	7.8	7.8	7.3/8.4	No Exceedance
MW-356	UA	Compliance	07/18/2024	A7D	pH (field)	SU	7.9	7.9	7.3/8.4	No Exceedance
MW-356	UA	Compliance	10/16/2024	A7DR	pH (field)	SU	7.7	7.7	7.3/8.4	No Exceedance
MW-356	UA	Compliance	02/07/2024	A7	Sulfate, total	mg/L	44.0	44.0	228	No Exceedance
MW-356	UA	Compliance	04/16/2024	A7R	Sulfate, total	mg/L	45.0	45.0	228	No Exceedance
MW-356	UA	Compliance	07/18/2024	A7D	Sulfate, total	mg/L	46.0	46.0	228	No Exceedance
MW-356	UA	Compliance	10/16/2024	A7DR	Sulfate, total	mg/L	41.0	41.0	228	No Exceedance
MW-356	UA	Compliance	02/07/2024	A7	Total Dissolved Solids	mg/L	650	650	3,260	No Exceedance
MW-356	UA	Compliance	04/16/2024	A7R	Total Dissolved Solids	mg/L	700	700	3,260	No Exceedance

TABLE 2
ANALYTICAL RESULTS - APPENDIX III PARAMETERS
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Well Type	Date	Event ID	Parameter	Unit	Result	Comparison Value	Background	SSI Type
MW-356	UA	Compliance	07/18/2024	A7D	Total Dissolved Solids	mg/L	716	716	3,260	No Exceedance
MW-356	UA	Compliance	10/16/2024	A7DR	Total Dissolved Solids	mg/L	632	632	3,260	No Exceedance
MW-369	UA	Compliance	02/06/2024	A7	Boron, total	mg/L	0.300	0.300	2.22	No Exceedance
MW-369	UA	Compliance	04/16/2024	A7R	Boron, total	mg/L	0.397	0.397	2.22	No Exceedance
MW-369	UA	Compliance	07/18/2024	A7D	Boron, total	mg/L	0.237	0.237	2.22	No Exceedance
MW-369	UA	Compliance	10/15/2024	A7DR	Boron, total	mg/L	0.251 J+	0.251	2.22	No Exceedance
MW-369	UA	Compliance	02/06/2024	A7	Calcium, total	mg/L	98.5	98.5	17.8	Reported
MW-369	UA	Compliance	04/16/2024	A7R	Calcium, total	mg/L	115	115	17.8	Confirmed
MW-369	UA	Compliance	07/18/2024	A7D	Calcium, total	mg/L	132	132	17.8	Reported
MW-369	UA	Compliance	10/15/2024	A7DR	Calcium, total	mg/L	126	126	17.8	Confirmed
MW-369	UA	Compliance	02/06/2024	A7	Chloride, total	mg/L	293	293	1,370	No Exceedance
MW-369	UA	Compliance	04/16/2024	A7R	Chloride, total	mg/L	80.0	80.0	1,370	No Exceedance
MW-369	UA	Compliance	07/18/2024	A7D	Chloride, total	mg/L	70.0	70.0	1,370	No Exceedance
MW-369	UA	Compliance	10/15/2024	A7DR	Chloride, total	mg/L	63.3	63.3	1,370	No Exceedance
MW-369	UA	Compliance	02/06/2024	A7	Fluoride, total	mg/L	3.73	3.73	3.36	Exceedance Not Confirmed
MW-369	UA	Compliance	04/16/2024	A7R	Fluoride, total	mg/L	0.970	0.970	3.36	No Exceedance
MW-369	UA	Compliance	07/18/2024	A7D	Fluoride, total	mg/L	0.690	0.690	3.36	No Exceedance
MW-369	UA	Compliance	10/15/2024	A7DR	Fluoride, total	mg/L	0.520	0.520	3.36	No Exceedance
MW-369	UA	Compliance	02/06/2024	A7	pH (field)	SU	8.1	8.1	7.3/8.4	No Exceedance
MW-369	UA	Compliance	04/16/2024	A7R	pH (field)	SU	7.0	7.0	7.3/8.4	Exceedance Not Confirmed
MW-369	UA	Compliance	07/18/2024	A7D	pH (field)	SU	7.6	7.6	7.3/8.4	No Exceedance
MW-369	UA	Compliance	10/15/2024	A7DR	pH (field)	SU	8.4	8.4	7.3/8.4	No Exceedance
MW-369	UA	Compliance	02/06/2024	A7	Sulfate, total	mg/L	123	123	228	No Exceedance
MW-369	UA	Compliance	04/16/2024	A7R	Sulfate, total	mg/L	123	123	228	No Exceedance
MW-369	UA	Compliance	07/18/2024	A7D	Sulfate, total	mg/L	113	113	228	No Exceedance
MW-369	UA	Compliance	10/15/2024	A7DR	Sulfate, total	mg/L	94.8	94.8	228	No Exceedance
MW-369	UA	Compliance	02/06/2024	A7	Total Dissolved Solids	mg/L	1,530	1,530	3,260	No Exceedance
MW-369	UA	Compliance	04/16/2024	A7R	Total Dissolved Solids	mg/L	870	870	3,260	No Exceedance
MW-369	UA	Compliance	07/18/2024	A7D	Total Dissolved Solids	mg/L	794	794	3,260	No Exceedance
MW-369	UA	Compliance	10/15/2024	A7DR	Total Dissolved Solids	mg/L	786	786	3,260	No Exceedance
MW-370	UA	Compliance	02/06/2024	A7	Boron, total	mg/L	1.69	1.69	2.22	No Exceedance
MW-370	UA	Compliance	04/16/2024	A7R	Boron, total	mg/L	1.76 J+	1.76	2.22	No Exceedance
MW-370	UA	Compliance	07/18/2024	A7D	Boron, total	mg/L	1.83	1.83	2.22	No Exceedance
MW-370	UA	Compliance	10/15/2024	A7DR	Boron, total	mg/L	1.93	1.93	2.22	No Exceedance
MW-370	UA	Compliance	02/06/2024	A7	Calcium, total	mg/L	40.1	40.1	17.8	Reported
MW-370	UA	Compliance	04/16/2024	A7R	Calcium, total	mg/L	39.5	39.5	17.8	Confirmed
MW-370	UA	Compliance	07/18/2024	A7D	Calcium, total	mg/L	42.8	42.8	17.8	Reported
MW-370	UA	Compliance	10/15/2024	A7DR	Calcium, total	mg/L	40.4	40.4	17.8	Confirmed
MW-370	UA	Compliance	02/06/2024	A7	Chloride, total	mg/L	1,460	1,460	1,370	Reported
MW-370	UA	Compliance	04/16/2024	A7R	Chloride, total	mg/L	1,460	1,460	1,370	Confirmed
MW-370	UA	Compliance	07/18/2024	A7D	Chloride, total	mg/L	1,320	1,320	1,370	No Exceedance
MW-370	UA	Compliance	10/15/2024	A7DR	Chloride, total	mg/L	1,520	1,520	1,370	Exceedance Not Confirmed
MW-370	UA	Compliance	02/06/2024	A7	Fluoride, total	mg/L	3.28	3.28	3.36	No Exceedance
MW-370	UA	Compliance	04/16/2024	A7R	Fluoride, total	mg/L	3.33	3.33	3.36	No Exceedance

TABLE 2
ANALYTICAL RESULTS - APPENDIX III PARAMETERS
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Well Type	Date	Event ID	Parameter	Unit	Result	Comparison Value	Background	SSI Type
MW-370	UA	Compliance	07/18/2024	A7D	Fluoride, total	mg/L	3.13	3.13	3.36	No Exceedance
MW-370	UA	Compliance	10/15/2024	A7DR	Fluoride, total	mg/L	3.14	3.14	3.36	No Exceedance
MW-370	UA	Compliance	02/06/2024	A7	pH (field)	SU	7.4	7.4	7.3/8.4	No Exceedance
MW-370	UA	Compliance	04/16/2024	A7R	pH (field)	SU	7.6	7.6	7.3/8.4	No Exceedance
MW-370	UA	Compliance	07/18/2024	A7D	pH (field)	SU	7.5	7.5	7.3/8.4	No Exceedance
MW-370	UA	Compliance	10/15/2024	A7DR	pH (field)	SU	7.4	7.4	7.3/8.4	No Exceedance
MW-370	UA	Compliance	02/06/2024	A7	Sulfate, total	mg/L	257	257	228	Reported
MW-370	UA	Compliance	04/16/2024	A7R	Sulfate, total	mg/L	247	247	228	Confirmed
MW-370	UA	Compliance	07/18/2024	A7D	Sulfate, total	mg/L	254	254	228	Reported
MW-370	UA	Compliance	10/15/2024	A7DR	Sulfate, total	mg/L	252	252	228	Confirmed
MW-370	UA	Compliance	02/06/2024	A7	Total Dissolved Solids	mg/L	3,170	3,170	3,260	No Exceedance
MW-370	UA	Compliance	04/16/2024	A7R	Total Dissolved Solids	mg/L	3,170	3,170	3,260	No Exceedance
MW-370	UA	Compliance	07/18/2024	A7D	Total Dissolved Solids	mg/L	2,990	2,990	3,260	No Exceedance
MW-370	UA	Compliance	10/15/2024	A7DR	Total Dissolved Solids	mg/L	3,020	3,020	3,260	No Exceedance
MW-382	UA	Compliance	02/06/2024	A7	Boron, total	mg/L	1.59	1.59	2.22	No Exceedance
MW-382	UA	Compliance	04/17/2024	A7R	Boron, total	mg/L	1.71	1.71	2.22	No Exceedance
MW-382	UA	Compliance	07/18/2024	A7D	Boron, total	mg/L	1.66	1.66	2.22	No Exceedance
MW-382	UA	Compliance	10/15/2024	A7DR	Boron, total	mg/L	1.80	1.80	2.22	No Exceedance
MW-382	UA	Compliance	02/06/2024	A7	Calcium, total	mg/L	26.0	26.0	17.8	Reported
MW-382	UA	Compliance	04/17/2024	A7R	Calcium, total	mg/L	27.8	27.8	17.8	Confirmed
MW-382	UA	Compliance	07/18/2024	A7D	Calcium, total	mg/L	26.7	26.7	17.8	Reported
MW-382	UA	Compliance	10/15/2024	A7DR	Calcium, total	mg/L	29.5	29.5	17.8	Confirmed
MW-382	UA	Compliance	02/06/2024	A7	Chloride, total	mg/L	43.0	43.0	1,370	No Exceedance
MW-382	UA	Compliance	04/17/2024	A7R	Chloride, total	mg/L	33.0	33.0	1,370	No Exceedance
MW-382	UA	Compliance	07/18/2024	A7D	Chloride, total	mg/L	37.0	37.0	1,370	No Exceedance
MW-382	UA	Compliance	10/15/2024	A7DR	Chloride, total	mg/L	30.6	30.6	1,370	No Exceedance
MW-382	UA	Compliance	02/06/2024	A7	Fluoride, total	mg/L	3.36	3.36	3.36	No Exceedance
MW-382	UA	Compliance	04/17/2024	A7R	Fluoride, total	mg/L	3.04	3.04	3.36	No Exceedance
MW-382	UA	Compliance	07/18/2024	A7D	Fluoride, total	mg/L	3.18	3.18	3.36	No Exceedance
MW-382	UA	Compliance	10/15/2024	A7DR	Fluoride, total	mg/L	3.06	3.06	3.36	No Exceedance
MW-382	UA	Compliance	02/06/2024	A7	pH (field)	SU	7.8	7.8	7.3/8.4	No Exceedance
MW-382	UA	Compliance	04/17/2024	A7R	pH (field)	SU	7.7	7.7	7.3/8.4	No Exceedance
MW-382	UA	Compliance	07/18/2024	A7D	pH (field)	SU	7.6	7.6	7.3/8.4	No Exceedance
MW-382	UA	Compliance	10/15/2024	A7DR	pH (field)	SU	7.6	7.6	7.3/8.4	No Exceedance
MW-382	UA	Compliance	02/06/2024	A7	Sulfate, total	mg/L	435	435	228	Reported
MW-382	UA	Compliance	04/17/2024	A7R	Sulfate, total	mg/L	419	419	228	Confirmed
MW-382	UA	Compliance	07/18/2024	A7D	Sulfate, total	mg/L	422	422	228	Reported
MW-382	UA	Compliance	10/15/2024	A7DR	Sulfate, total	mg/L	389	389	228	Confirmed
MW-382	UA	Compliance	02/06/2024	A7	Total Dissolved Solids	mg/L	1,210	1,210	3,260	No Exceedance
MW-382	UA	Compliance	04/17/2024	A7R	Total Dissolved Solids	mg/L	1,120	1,120	3,260	No Exceedance
MW-382	UA	Compliance	07/18/2024	A7D	Total Dissolved Solids	mg/L	1,240	1,240	3,260	No Exceedance
MW-382	UA	Compliance	10/15/2024	A7DR	Total Dissolved Solids	mg/L	3,600	3,600	3,260	Exceedance Not Confirmed
MW-392	UA	Compliance	02/06/2024	A7	Boron, total	mg/L	1.74	1.74	2.22	No Exceedance
MW-392	UA	Compliance	04/16/2024	A7R	Boron, total	mg/L	1.86	1.86	2.22	No Exceedance
MW-392	UA	Compliance	07/17/2024	A7D	Boron, total	mg/L	1.84	1.84	2.22	No Exceedance

TABLE 2
ANALYTICAL RESULTS - APPENDIX III PARAMETERS
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Well Type	Date	Event ID	Parameter	Unit	Result	Comparison Value	Background	SSI Type
MW-392	UA	Compliance	10/15/2024	A7DR	Boron, total	mg/L	2.02	2.02	2.22	No Exceedance
MW-392	UA	Compliance	02/06/2024	A7	Calcium, total	mg/L	25.3	25.3	17.8	Reported
MW-392	UA	Compliance	04/16/2024	A7R	Calcium, total	mg/L	25.0	25.0	17.8	Confirmed
MW-392	UA	Compliance	07/17/2024	A7D	Calcium, total	mg/L	23.3	23.3	17.8	Reported
MW-392	UA	Compliance	10/15/2024	A7DR	Calcium, total	mg/L	24.8	24.8	17.8	Confirmed
MW-392	UA	Compliance	02/06/2024	A7	Chloride, total	mg/L	863	863	1,370	No Exceedance
MW-392	UA	Compliance	04/16/2024	A7R	Chloride, total	mg/L	868	868	1,370	No Exceedance
MW-392	UA	Compliance	07/17/2024	A7D	Chloride, total	mg/L	875	875	1,370	No Exceedance
MW-392	UA	Compliance	10/15/2024	A7DR	Chloride, total	mg/L	993	993	1,370	No Exceedance
MW-392	UA	Compliance	02/06/2024	A7	Fluoride, total	mg/L	4.28	4.28	3.36	Reported
MW-392	UA	Compliance	04/16/2024	A7R	Fluoride, total	mg/L	4.42	4.42	3.36	Confirmed
MW-392	UA	Compliance	07/17/2024	A7D	Fluoride, total	mg/L	4.19	4.19	3.36	Reported
MW-392	UA	Compliance	10/15/2024	A7DR	Fluoride, total	mg/L	4.36	4.36	3.36	Confirmed
MW-392	UA	Compliance	01/09/2024	ADD	pH (field)	SU	7.6	--	7.3/8.4	--
MW-392	UA	Compliance	02/06/2024	A7	pH (field)	SU	7.6	7.6	7.3/8.4	No Exceedance
MW-392	UA	Compliance	04/16/2024	A7R	pH (field)	SU	7.7	7.7	7.3/8.4	No Exceedance
MW-392	UA	Compliance	07/17/2024	A7D	pH (field)	SU	7.7	7.7	7.3/8.4	No Exceedance
MW-392	UA	Compliance	10/15/2024	A7DR	pH (field)	SU	7.6	7.6	7.3/8.4	No Exceedance
MW-392	UA	Compliance	02/06/2024	A7	Sulfate, total	mg/L	59.0	59.0	228	No Exceedance
MW-392	UA	Compliance	04/16/2024	A7R	Sulfate, total	mg/L	42.0	42.0	228	No Exceedance
MW-392	UA	Compliance	07/17/2024	A7D	Sulfate, total	mg/L	60.0	60.0	228	No Exceedance
MW-392	UA	Compliance	10/15/2024	A7DR	Sulfate, total	mg/L	52.5	52.5	228	No Exceedance
MW-392	UA	Compliance	02/06/2024	A7	Total Dissolved Solids	mg/L	1,810	1,810	3,260	No Exceedance
MW-392	UA	Compliance	04/16/2024	A7R	Total Dissolved Solids	mg/L	1,860	1,860	3,260	No Exceedance
MW-392	UA	Compliance	07/17/2024	A7D	Total Dissolved Solids	mg/L	1,940	1,940	3,260	No Exceedance
MW-392	UA	Compliance	10/15/2024	A7DR	Total Dissolved Solids	mg/L	1,940	1,940	3,260	No Exceedance
MW-393	UA	Compliance	02/06/2024	A7	Boron, total	mg/L	1.63	1.63	2.22	No Exceedance
MW-393	UA	Compliance	04/16/2024	A7R	Boron, total	mg/L	1.83	1.83	2.22	No Exceedance
MW-393	UA	Compliance	07/17/2024	A7D	Boron, total	mg/L	1.74	1.74	2.22	No Exceedance
MW-393	UA	Compliance	10/15/2024	A7DR	Boron, total	mg/L	1.86	1.86	2.22	No Exceedance
MW-393	UA	Compliance	02/06/2024	A7	Calcium, total	mg/L	6.43	6.43	17.8	No Exceedance
MW-393	UA	Compliance	04/16/2024	A7R	Calcium, total	mg/L	7.05	7.05	17.8	No Exceedance
MW-393	UA	Compliance	07/17/2024	A7D	Calcium, total	mg/L	5.61	5.61	17.8	No Exceedance
MW-393	UA	Compliance	10/15/2024	A7DR	Calcium, total	mg/L	6.10	6.10	17.8	No Exceedance
MW-393	UA	Compliance	02/06/2024	A7	Chloride, total	mg/L	741	741	1,370	No Exceedance
MW-393	UA	Compliance	04/16/2024	A7R	Chloride, total	mg/L	779	779	1,370	No Exceedance
MW-393	UA	Compliance	07/17/2024	A7D	Chloride, total	mg/L	775	775	1,370	No Exceedance
MW-393	UA	Compliance	10/15/2024	A7DR	Chloride, total	mg/L	880	880	1,370	No Exceedance
MW-393	UA	Compliance	02/06/2024	A7	Fluoride, total	mg/L	9.27	9.27	3.36	Reported
MW-393	UA	Compliance	04/16/2024	A7R	Fluoride, total	mg/L	9.22	9.22	3.36	Confirmed
MW-393	UA	Compliance	07/17/2024	A7D	Fluoride, total	mg/L	9.93	9.93	3.36	Reported
MW-393	UA	Compliance	10/15/2024	A7DR	Fluoride, total	mg/L	10.4	10.4	3.36	Confirmed
MW-393	UA	Compliance	01/09/2024	ADD	pH (field)	SU	8.1	--	7.3/8.4	--
MW-393	UA	Compliance	02/06/2024	A7	pH (field)	SU	8.1	8.1	7.3/8.4	No Exceedance
MW-393	UA	Compliance	04/16/2024	A7R	pH (field)	SU	8.2	8.2	7.3/8.4	No Exceedance
MW-393	UA	Compliance	07/17/2024	A7D	pH (field)	SU	8.4	8.4	7.3/8.4	No Exceedance

TABLE 2
ANALYTICAL RESULTS - APPENDIX III PARAMETERS
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Well Type	Date	Event ID	Parameter	Unit	Result	Comparison Value	Background	SSI Type
MW-393	UA	Compliance	10/15/2024	A7DR	pH (field)	SU	8.1	8.1	7.3/8.4	No Exceedance
MW-393	UA	Compliance	02/06/2024	A7	Sulfate, total	mg/L	206	206	228	No Exceedance
MW-393	UA	Compliance	04/16/2024	A7R	Sulfate, total	mg/L	217	217	228	No Exceedance
MW-393	UA	Compliance	07/17/2024	A7D	Sulfate, total	mg/L	226	226	228	No Exceedance
MW-393	UA	Compliance	10/15/2024	A7DR	Sulfate, total	mg/L	181	181	228	No Exceedance
MW-393	UA	Compliance	02/06/2024	A7	Total Dissolved Solids	mg/L	2,470	2,470	3,260	No Exceedance
MW-393	UA	Compliance	04/16/2024	A7R	Total Dissolved Solids	mg/L	2,470	2,470	3,260	No Exceedance
MW-393	UA	Compliance	07/17/2024	A7D	Total Dissolved Solids	mg/L	2,560	2,560	3,260	No Exceedance
MW-393	UA	Compliance	10/15/2024	A7DR	Total Dissolved Solids	mg/L	2,830	2,830	3,260	No Exceedance
MW-394	UA	Compliance	02/06/2024	A7	Boron, total	mg/L	1.73	1.73	2.22	No Exceedance
MW-394	UA	Compliance	04/16/2024	A7R	Boron, total	mg/L	1.80	1.80	2.22	No Exceedance
MW-394	UA	Compliance	07/17/2024	A7D	Boron, total	mg/L	1.75	1.75	2.22	No Exceedance
MW-394	UA	Compliance	10/15/2024	A7DR	Boron, total	mg/L	1.80	1.80	2.22	No Exceedance
MW-394	UA	Compliance	02/06/2024	A7	Calcium, total	mg/L	10.1	10.1	17.8	No Exceedance
MW-394	UA	Compliance	04/16/2024	A7R	Calcium, total	mg/L	8.29	8.29	17.8	No Exceedance
MW-394	UA	Compliance	07/17/2024	A7D	Calcium, total	mg/L	7.23	7.23	17.8	No Exceedance
MW-394	UA	Compliance	10/15/2024	A7DR	Calcium, total	mg/L	8.67	8.67	17.8	No Exceedance
MW-394	UA	Compliance	02/06/2024	A7	Chloride, total	mg/L	790	790	1,370	No Exceedance
MW-394	UA	Compliance	04/16/2024	A7R	Chloride, total	mg/L	812	812	1,370	No Exceedance
MW-394	UA	Compliance	07/17/2024	A7D	Chloride, total	mg/L	784	784	1,370	No Exceedance
MW-394	UA	Compliance	10/15/2024	A7DR	Chloride, total	mg/L	828	828	1,370	No Exceedance
MW-394	UA	Compliance	02/06/2024	A7	Fluoride, total	mg/L	4.83	4.83	3.36	Reported
MW-394	UA	Compliance	04/16/2024	A7R	Fluoride, total	mg/L	4.92	4.92	3.36	Confirmed
MW-394	UA	Compliance	07/17/2024	A7D	Fluoride, total	mg/L	5.00	5.00	3.36	Reported
MW-394	UA	Compliance	10/15/2024	A7DR	Fluoride, total	mg/L	5.07	5.07	3.36	Confirmed
MW-394	UA	Compliance	02/06/2024	A7	pH (field)	SU	7.9	7.9	7.3/8.4	No Exceedance
MW-394	UA	Compliance	04/16/2024	A7R	pH (field)	SU	7.9	7.9	7.3/8.4	No Exceedance
MW-394	UA	Compliance	07/17/2024	A7D	pH (field)	SU	8.3	8.3	7.3/8.4	No Exceedance
MW-394	UA	Compliance	10/15/2024	A7DR	pH (field)	SU	7.9	7.9	7.3/8.4	No Exceedance
MW-394	UA	Compliance	02/06/2024	A7	Sulfate, total	mg/L	105	105	228	No Exceedance
MW-394	UA	Compliance	04/16/2024	A7R	Sulfate, total	mg/L	82.0	82.0	228	No Exceedance
MW-394	UA	Compliance	07/17/2024	A7D	Sulfate, total	mg/L	111	111	228	No Exceedance
MW-394	UA	Compliance	10/15/2024	A7DR	Sulfate, total	mg/L	213	213	228	No Exceedance
MW-394	UA	Compliance	02/06/2024	A7	Total Dissolved Solids	mg/L	2,330	2,330	3,260	No Exceedance
MW-394	UA	Compliance	04/16/2024	A7R	Total Dissolved Solids	mg/L	2,320	2,320	3,260	No Exceedance
MW-394	UA	Compliance	07/17/2024	A7D	Total Dissolved Solids	mg/L	2,380	2,380	3,260	No Exceedance
MW-394	UA	Compliance	10/15/2024	A7DR	Total Dissolved Solids	mg/L	2,310	2,310	3,260	No Exceedance
OW-256	PMP	Compliance	02/07/2024	A7	Boron, total	mg/L	0.204	0.204	2.22	No Exceedance
OW-256	PMP	Compliance	04/17/2024	A7R	Boron, total	mg/L	0.156 J+	0.156	2.22	No Exceedance
OW-256	PMP	Compliance	07/17/2024	A7D	Boron, total	mg/L	0.192	0.192	2.22	No Exceedance
OW-256	PMP	Compliance	10/15/2024	A7DR	Boron, total	mg/L	0.210 J+	0.210	2.22	No Exceedance
OW-256	PMP	Compliance	02/07/2024	A7	Calcium, total	mg/L	84.8	84.8	17.8	Reported
OW-256	PMP	Compliance	04/17/2024	A7R	Calcium, total	mg/L	83.0	83.0	17.8	Confirmed
OW-256	PMP	Compliance	07/17/2024	A7D	Calcium, total	mg/L	79.5	79.5	17.8	Reported
OW-256	PMP	Compliance	10/15/2024	A7DR	Calcium, total	mg/L	83.9	83.9	17.8	Confirmed
OW-256	PMP	Compliance	02/07/2024	A7	Chloride, total	mg/L	63.0	63.0	1,370	No Exceedance

TABLE 2
ANALYTICAL RESULTS - APPENDIX III PARAMETERS
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Well Type	Date	Event ID	Parameter	Unit	Result	Comparison Value	Background	SSI Type
OW-256	PMP	Compliance	04/17/2024	A7R	Chloride, total	mg/L	57.0	57.0	1,370	No Exceedance
OW-256	PMP	Compliance	07/17/2024	A7D	Chloride, total	mg/L	59.0	59.0	1,370	No Exceedance
OW-256	PMP	Compliance	10/15/2024	A7DR	Chloride, total	mg/L	52.0	52.0	1,370	No Exceedance
OW-256	PMP	Compliance	02/07/2024	A7	Fluoride, total	mg/L	0.250	0.250	3.36	No Exceedance
OW-256	PMP	Compliance	04/17/2024	A7R	Fluoride, total	mg/L	0.260	0.260	3.36	No Exceedance
OW-256	PMP	Compliance	07/17/2024	A7D	Fluoride, total	mg/L	0.290	0.290	3.36	No Exceedance
OW-256	PMP	Compliance	10/15/2024	A7DR	Fluoride, total	mg/L	0.24 J	0.25	3.36	No Exceedance
OW-256	PMP	Compliance	02/07/2024	A7	pH (field)	SU	6.8	6.8	7.3/8.4	Reported
OW-256	PMP	Compliance	04/17/2024	A7R	pH (field)	SU	6.9	6.9	7.3/8.4	Confirmed
OW-256	PMP	Compliance	07/17/2024	A7D	pH (field)	SU	7.0	7.0	7.3/8.4	Reported
OW-256	PMP	Compliance	10/15/2024	A7DR	pH (field)	SU	6.8	6.8	7.3/8.4	Confirmed
OW-256	PMP	Compliance	02/07/2024	A7	Sulfate, total	mg/L	87.0	87.0	228	No Exceedance
OW-256	PMP	Compliance	04/17/2024	A7R	Sulfate, total	mg/L	73.0	73.0	228	No Exceedance
OW-256	PMP	Compliance	07/17/2024	A7D	Sulfate, total	mg/L	74.0	74.0	228	No Exceedance
OW-256	PMP	Compliance	10/15/2024	A7DR	Sulfate, total	mg/L	65.1	65.1	228	No Exceedance
OW-256	PMP	Compliance	02/07/2024	A7	Total Dissolved Solids	mg/L	492	492	3,260	No Exceedance
OW-256	PMP	Compliance	04/17/2024	A7R	Total Dissolved Solids	mg/L	500	500	3,260	No Exceedance
OW-256	PMP	Compliance	07/17/2024	A7D	Total Dissolved Solids	mg/L	504	504	3,260	No Exceedance
OW-256	PMP	Compliance	10/15/2024	A7DR	Total Dissolved Solids	mg/L	510	510	3,260	No Exceedance
OW-257	PMP	Compliance	02/06/2024	A7	Boron, total	mg/L	0.518	0.518	2.22	No Exceedance
OW-257	PMP	Compliance	04/17/2024	A7R	Boron, total	mg/L	0.483	0.483	2.22	No Exceedance
OW-257	PMP	Compliance	07/17/2024	A7D	Boron, total	mg/L	0.509	0.509	2.22	No Exceedance
OW-257	PMP	Compliance	10/14/2024	A7DR	Boron, total	mg/L	0.595	0.595	2.22	No Exceedance
OW-257	PMP	Compliance	02/06/2024	A7	Calcium, total	mg/L	105	105	17.8	Reported
OW-257	PMP	Compliance	04/17/2024	A7R	Calcium, total	mg/L	119	119	17.8	Confirmed
OW-257	PMP	Compliance	07/17/2024	A7D	Calcium, total	mg/L	103	103	17.8	Reported
OW-257	PMP	Compliance	10/14/2024	A7DR	Calcium, total	mg/L	108	108	17.8	Confirmed
OW-257	PMP	Compliance	02/06/2024	A7	Chloride, total	mg/L	8.00	8.00	1,370	No Exceedance
OW-257	PMP	Compliance	04/17/2024	A7R	Chloride, total	mg/L	7.00	7.00	1,370	No Exceedance
OW-257	PMP	Compliance	07/17/2024	A7D	Chloride, total	mg/L	8.00	8.00	1,370	No Exceedance
OW-257	PMP	Compliance	10/14/2024	A7DR	Chloride, total	mg/L	7.52	7.52	1,370	No Exceedance
OW-257	PMP	Compliance	02/06/2024	A7	Fluoride, total	mg/L	0.410	0.410	3.36	No Exceedance
OW-257	PMP	Compliance	04/17/2024	A7R	Fluoride, total	mg/L	0.400	0.400	3.36	No Exceedance
OW-257	PMP	Compliance	07/17/2024	A7D	Fluoride, total	mg/L	0.420	0.420	3.36	No Exceedance
OW-257	PMP	Compliance	10/14/2024	A7DR	Fluoride, total	mg/L	0.3 J	0.25	3.36	No Exceedance
OW-257	PMP	Compliance	02/06/2024	A7	pH (field)	SU	7.2	7.2	7.3/8.4	Reported
OW-257	PMP	Compliance	04/17/2024	A7R	pH (field)	SU	7.2	7.2	7.3/8.4	Confirmed
OW-257	PMP	Compliance	07/17/2024	A7D	pH (field)	SU	6.9	6.9	7.3/8.4	Reported
OW-257	PMP	Compliance	10/14/2024	A7DR	pH (field)	SU	6.7	6.7	7.3/8.4	Confirmed
OW-257	PMP	Compliance	02/06/2024	A7	Sulfate, total	mg/L	107	107	228	No Exceedance
OW-257	PMP	Compliance	04/17/2024	A7R	Sulfate, total	mg/L	111	111	228	No Exceedance
OW-257	PMP	Compliance	07/17/2024	A7D	Sulfate, total	mg/L	115	115	228	No Exceedance
OW-257	PMP	Compliance	10/14/2024	A7DR	Sulfate, total	mg/L	104	104	228	No Exceedance
OW-257	PMP	Compliance	02/06/2024	A7	Total Dissolved Solids	mg/L	684	684	3,260	No Exceedance
OW-257	PMP	Compliance	04/17/2024	A7R	Total Dissolved Solids	mg/L	682	682	3,260	No Exceedance
OW-257	PMP	Compliance	07/17/2024	A7D	Total Dissolved Solids	mg/L	744	744	3,260	No Exceedance

TABLE 2
ANALYTICAL RESULTS - APPENDIX III PARAMETERS
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Well Type	Date	Event ID	Parameter	Unit	Result	Comparison Value	Background	SSI Type
OW-257	PMP	Compliance	10/14/2024	A7DR	Total Dissolved Solids	mg/L	712	712	3,260	No Exceedance
PZ-170	PMP	Compliance	02/06/2024	A7	Boron, total	mg/L	0.276	0.276	2.22	No Exceedance
PZ-170	PMP	Compliance	04/17/2024	A7R	Boron, total	mg/L	0.296	0.296	2.22	No Exceedance
PZ-170	PMP	Compliance	07/17/2024	A7D	Boron, total	mg/L	0.255	0.255	2.22	No Exceedance
PZ-170	PMP	Compliance	10/14/2024	A7DR	Boron, total	mg/L	0.360	0.360	2.22	No Exceedance
PZ-170	PMP	Compliance	02/06/2024	A7	Calcium, total	mg/L	182	182	17.8	Reported
PZ-170	PMP	Compliance	04/17/2024	A7R	Calcium, total	mg/L	218	218	17.8	Confirmed
PZ-170	PMP	Compliance	07/17/2024	A7D	Calcium, total	mg/L	202	202	17.8	Reported
PZ-170	PMP	Compliance	10/14/2024	A7DR	Calcium, total	mg/L	202	202	17.8	Confirmed
PZ-170	PMP	Compliance	02/06/2024	A7	Chloride, total	mg/L	80.0	80.0	1,370	No Exceedance
PZ-170	PMP	Compliance	04/17/2024	A7R	Chloride, total	mg/L	75.0	75.0	1,370	No Exceedance
PZ-170	PMP	Compliance	07/17/2024	A7D	Chloride, total	mg/L	82.0	82.0	1,370	No Exceedance
PZ-170	PMP	Compliance	10/14/2024	A7DR	Chloride, total	mg/L	83.5	83.5	1,370	No Exceedance
PZ-170	PMP	Compliance	02/06/2024	A7	Fluoride, total	mg/L	0.200	0.200	3.36	No Exceedance
PZ-170	PMP	Compliance	04/17/2024	A7R	Fluoride, total	mg/L	0.210	0.210	3.36	No Exceedance
PZ-170	PMP	Compliance	07/17/2024	A7D	Fluoride, total	mg/L	0.220	0.220	3.36	No Exceedance
PZ-170	PMP	Compliance	10/14/2024	A7DR	Fluoride, total	mg/L	0.2 U	0.25	3.36	No Exceedance
PZ-170	PMP	Compliance	02/06/2024	A7	pH (field)	SU	6.5	6.5	7.3/8.4	Reported
PZ-170	PMP	Compliance	04/17/2024	A7R	pH (field)	SU	6.6	6.6	7.3/8.4	Confirmed
PZ-170	PMP	Compliance	07/17/2024	A7D	pH (field)	SU	6.7	6.7	7.3/8.4	Reported
PZ-170	PMP	Compliance	10/14/2024	A7DR	pH (field)	SU	6.5	6.5	7.3/8.4	Confirmed
PZ-170	PMP	Compliance	02/06/2024	A7	Sulfate, total	mg/L	185	185	228	No Exceedance
PZ-170	PMP	Compliance	04/17/2024	A7R	Sulfate, total	mg/L	236	236	228	Exceedance Not Confirmed
PZ-170	PMP	Compliance	07/17/2024	A7D	Sulfate, total	mg/L	299	299	228	Reported
PZ-170	PMP	Compliance	10/14/2024	A7DR	Sulfate, total	mg/L	234	234	228	Confirmed
PZ-170	PMP	Compliance	02/06/2024	A7	Total Dissolved Solids	mg/L	1,080	1,080	3,260	No Exceedance
PZ-170	PMP	Compliance	04/17/2024	A7R	Total Dissolved Solids	mg/L	1,140	1,140	3,260	No Exceedance
PZ-170	PMP	Compliance	07/17/2024	A7D	Total Dissolved Solids	mg/L	1,240	1,240	3,260	No Exceedance
PZ-170	PMP	Compliance	10/14/2024	A7DR	Total Dissolved Solids	mg/L	1,140	1,140	3,260	No Exceedance
PZ-182	PMP	Compliance	02/06/2024	A7	Boron, total	mg/L	0.516	0.516	2.22	No Exceedance
PZ-182	PMP	Compliance	04/17/2024	A7R	Boron, total	mg/L	0.499	0.499	2.22	No Exceedance
PZ-182	PMP	Compliance	07/17/2024	A7D	Boron, total	mg/L	0.396	0.396	2.22	No Exceedance
PZ-182	PMP	Compliance	10/15/2024	A7DR	Boron, total	mg/L	0.469	0.469	2.22	No Exceedance
PZ-182	PMP	Compliance	02/06/2024	A7	Calcium, total	mg/L	150	150	17.8	Reported
PZ-182	PMP	Compliance	04/17/2024	A7R	Calcium, total	mg/L	154	154	17.8	Confirmed
PZ-182	PMP	Compliance	07/17/2024	A7D	Calcium, total	mg/L	129	129	17.8	Reported
PZ-182	PMP	Compliance	10/15/2024	A7DR	Calcium, total	mg/L	147	147	17.8	Confirmed
PZ-182	PMP	Compliance	02/06/2024	A7	Chloride, total	mg/L	38.0	38.0	1,370	No Exceedance
PZ-182	PMP	Compliance	04/17/2024	A7R	Chloride, total	mg/L	37.0	37.0	1,370	No Exceedance
PZ-182	PMP	Compliance	07/17/2024	A7D	Chloride, total	mg/L	18.0	18.0	1,370	No Exceedance
PZ-182	PMP	Compliance	10/15/2024	A7DR	Chloride, total	mg/L	32.5	32.5	1,370	No Exceedance
PZ-182	PMP	Compliance	02/06/2024	A7	Fluoride, total	mg/L	0.160	0.160	3.36	No Exceedance
PZ-182	PMP	Compliance	04/17/2024	A7R	Fluoride, total	mg/L	0.180	0.180	3.36	No Exceedance
PZ-182	PMP	Compliance	07/17/2024	A7D	Fluoride, total	mg/L	0.240	0.240	3.36	No Exceedance
PZ-182	PMP	Compliance	10/15/2024	A7DR	Fluoride, total	mg/L	0.2 U	0.25	3.36	No Exceedance

TABLE 2
ANALYTICAL RESULTS - APPENDIX III PARAMETERS
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Well Type	Date	Event ID	Parameter	Unit	Result	Comparison Value	Background	SSI Type
PZ-182	PMP	Compliance	02/06/2024	A7	pH (field)	SU	6.5	6.5	7.3/8.4	Reported
PZ-182	PMP	Compliance	04/17/2024	A7R	pH (field)	SU	6.7	6.7	7.3/8.4	Confirmed
PZ-182	PMP	Compliance	07/17/2024	A7D	pH (field)	SU	6.8	6.8	7.3/8.4	Reported
PZ-182	PMP	Compliance	10/15/2024	A7DR	pH (field)	SU	6.7	6.7	7.3/8.4	Confirmed
PZ-182	PMP	Compliance	02/06/2024	A7	Sulfate, total	mg/L	178	178	228	No Exceedance
PZ-182	PMP	Compliance	04/17/2024	A7R	Sulfate, total	mg/L	150	150	228	No Exceedance
PZ-182	PMP	Compliance	07/17/2024	A7D	Sulfate, total	mg/L	141	141	228	No Exceedance
PZ-182	PMP	Compliance	10/15/2024	A7DR	Sulfate, total	mg/L	152	152	228	No Exceedance
PZ-182	PMP	Compliance	02/06/2024	A7	Total Dissolved Solids	mg/L	886	886	3,260	No Exceedance
PZ-182	PMP	Compliance	04/17/2024	A7R	Total Dissolved Solids	mg/L	734	734	3,260	No Exceedance
PZ-182	PMP	Compliance	07/17/2024	A7D	Total Dissolved Solids	mg/L	578	578	3,260	No Exceedance
PZ-182	PMP	Compliance	10/15/2024	A7DR	Total Dissolved Solids	mg/L	700	700	3,260	No Exceedance

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

Generated 2025-01-13 13:01 by banoffra

TABLE 3
ANALYTICAL RESULTS - APPENDIX IV PARAMETERS
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	Well Type	Date	Event ID	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Cadmium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Fluoride, total (mg/L)	Lead, total (mg/L)	Lithium, total (mg/L)	Mercury, total (mg/L)	Molybdenum, total (mg/L)	Radium 226 + 228 (pCi/L)	Selenium, total (mg/L)	Thallium, total (mg/L)
MW-304	B	02/05/2024	A7	0.0004 U	0.00380	0.0295	0.0002 U	0.0002 U	0.002 UJ	0.0001 U	1.77	0.0006 U	0.0763	0.00006 U	0.002 UJ	0.133	0.0006 U	0.001 U
MW-304	B	04/16/2024	A7R	0.0005 J	0.00280	0.0199	0.0002 U	0.0002 U	0.0007 U	0.0001 U	1.69	0.0006 U	0.0823	0.00006 U	0.0015 UJ	1.01	0.0006 U	0.001 U
MW-304	B	07/17/2024	A7D	0.0004 U	0.00250 J	0.0175	0.0002 U	0.0002 U	0.0007 U	0.0001 U	1.69	0.0006 U	0.0750	0.00006 U	0.0007 J	0.499	0.0006 U	0.001 U
MW-304	B	10/16/2024	A7DR	0.0008 J	0.00280	0.0192	0.0002 U	0.0002 U	0.0007 U	0.0001 U	1.82	0.0006 U	0.0833	0.00006 U	0.00170	0.518	0.0006 U	0.001 U
MW-358	B	02/06/2024	A7	0.001 UJ	0.00620	0.215	0.0002 U	0.0002 U	0.002 UJ	0.0009 J	2.40	0.0008 J	0.115	0.00006 U	0.00410 J+	0.854	0.0006 U	0.001 U
MW-358	B	04/17/2024	A7R	0.0004 U	0.00140	0.120	0.0002 U	0.0002 U	0.0015 UJ	0.0003 J	1.53	0.0006 U	0.0425	0.00011 J	0.00440 J+	1.40	0.0006 U	0.001 U
MW-358	B	07/18/2024	A7D	0.00110	0.00110	0.111	0.0002 U	0.0002 U	0.00210	0.001 UJ	0.750	0.0006 J	0.0379	0.00008 J	0.00370	0.329	0.0006 U	0.001 U
MW-358R	B	11/01/2024	A7DR	0.00330	0.00370	0.167	0.0005 J	0.0002 J	0.0267	0.00380	1.20	0.00190	0.0224	0.00006 U	0.142	0.399	0.00330	0.001 U
MW-192	C	02/06/2024	A7	0.0004 U	0.0006 J	0.0938	0.0002 U	0.0002 U	0.002 UJ	0.0009 J	0.430	0.0006 U	0.00450	0.00006 U	0.00210 J+	0.567	0.0006 U	0.001 U
MW-192	C	04/16/2024	A7R	0.00320	0.0005 J	0.0883	0.0002 U	0.0002 U	0.0007 U	0.0006 J	0.450	0.0006 U	0.00390	0.00006 U	0.00180 J+	0.0306	0.0006 U	0.001 U
MW-192	C	07/17/2024	A7D	0.0004 U	0.0005 J	0.0833	0.0002 U	0.0002 U	0.0011 J	0.001 UJ	0.450	0.0006 U	0.00370	0.00006 U	0.0013 J	0.465	0.0006 U	0.001 U
MW-192	C	10/15/2024	A7DR	0.0007 J	0.0007 J	0.0953	0.0002 U	0.0002 U	0.0007 U	0.0006 J	0.41 J	0.0006 U	0.00350	0.00006 U	0.00210	0.288	0.0006 U	0.001 U
MW-193	C	02/06/2024	A7	0.0004 U	0.0008 J	0.0780	0.0002 U	0.0002 U	0.0007 U	0.0004 J	0.240	0.0006 U	0.00470	0.00006 U	0.002 UJ	0.377	0.0006 U	0.001 U
MW-193	C	04/16/2024	A7R	0.00100 J	0.0005 J	0.0771	0.0002 U	0.0002 U	0.0015 UJ	0.0005 J	0.260	0.0006 U	0.00500	0.00006 U	0.0015 UJ	0.892	0.0006 U	0.001 U
MW-193	C	07/17/2024	A7D	0.001 UJ	0.0008 J	0.0681	0.0002 U	0.0002 U	0.0013 J	0.001 UJ	0.240	0.0006 U	0.00430	0.00006 U	0.0008 J	0.684	0.0006 U	0.001 U
MW-193	C	10/15/2024	A7DR	0.0006 J	0.0007 J	0.0749	0.0002 U	0.0002 U	0.0007 U	0.0005 J	0.23 J	0.0006 U	0.00580	0.00006 U	0.0008 J	0.449	0.0006 U	0.001 U
MW-356	C	02/07/2024	A7	0.00100 J+	0.0008 J	0.0372	0.0002 U	0.0002 U	0.001 U	0.0001 U	2.02	0.0008 U	0.0646	0.0002 UJ	0.002 UJ	0.783	0.0006 U	0.001 U
MW-356	C	04/16/2024	A7R	0.0008 J	0.0007 J	0.0302	0.0002 U	0.0002 U	0.0007 U	0.0001 U	2.21	0.0006 U	0.0521	0.00014 J	0.0015 UJ	0.212	0.0006 U	0.001 U
MW-356	C	07/18/2024	A7D	0.0005 J	0.0004 U	0.0300	0.0002 U	0.0002 U	0.0007 U	0.0001 U	2.00	0.0006 U	0.0557	0.00006 U	0.0014 J	0.691	0.0006 U	0.001 U
MW-356	C	10/16/2024	A7DR	0.0004 U	0.0004 U	0.0375	0.0002 U	0.0002 U	0.0007 U	0.0001 U	2.10	0.0006 U	0.0557	0.00006 U	0.00210	0.146	0.0006 U	0.001 U
MW-369	C	02/06/2024	A7	0.0004 U	0.00170	0.0884	0.0002 U	0.0002 U	0.002 UJ	0.00100 J	3.73	0.0006 U	0.0160	0.00006 U	0.00430 J+	0.646	0.0006 U	0.001 U
MW-369	C	04/16/2024	A7R	0.001 UJ	0.00120	0.147	0.0002 U	0.0002 U	0.0007 U	0.0005 J	0.970	0.0006 U	0.0192	0.00006 U	0.00590 J+	0.829	0.0006 U	0.001 U
MW-369	C	07/18/2024	A7D	0.0005 J	0.00110	0.124	0.0002 U	0.0002 U	0.0007 U	0.00130 J+	0.690	0.0006 U	0.0140	0.00006 U	0.00260	1.14	0.0006 U	0.001 U
MW-369	C	10/15/2024	A7DR	0.00260	0.00180	0.126	0.0002 U	0.0002 U	0.0009 J	0.00160	0.520	0.0006 U	0.0135	0.00006 U	0.00210	0.218	0.0006 U	0.001 U
MW-370	C	02/06/2024	A7	0.0004 U	0.0009 J	0.0417	0.0002 U	0.0002 U	0.002 UJ	0.0001 J	3.28	0.0006 U	0.169	0.00006 U	0.00700	1.16	0.0006 U	0.001 U
MW-370	C	04/16/2024	A7R	0.0004 U	0.0008 J	0.0415	0.0002 U	0.0002 U	0.0007 U	0.0002 J	3.33	0.0006 U	0.170	0.00006 U	0.00760	1.02	0.0006 U	0.001 U
MW-370	C	07/18/2024	A7D	0.0004 U	0.0007 J	0.0318	0.0002 U	0.0002 U	0.0007 U	0.0001 U	3.13	0.0006 U	0.140	0.00006 U	0.00630	0.757	0.0006 U	0.001 U

TABLE 3
ANALYTICAL RESULTS - APPENDIX IV PARAMETERS
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	Well Type	Date	Event ID	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Cadmium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Fluoride, total (mg/L)	Lead, total (mg/L)	Lithium, total (mg/L)	Mercury, total (mg/L)	Molybdenum, total (mg/L)	Radium 226 + 228 (pCi/L)	Selenium, total (mg/L)	Thallium, total (mg/L)
MW-370	C	10/15/2024	A7DR	0.00150	0.0008 J	0.0340	0.0002 U	0.0002 U	0.0007 U	0.0002 J	3.14	0.0006 U	0.138	0.00006 U	0.0136	0.595	0.0006 U	0.001 U
MW-382	C	02/06/2024	A7	0.0004 U	0.00330	0.0342	0.0006 J	0.0002 U	0.0106	0.00490	3.36	0.00560	0.0904	0.00006 U	0.002 UJ	1.28	0.0006 U	0.001 U
MW-382	C	04/17/2024	A7R	0.0005 J	0.00100	0.0177	0.0002 U	0.0002 U	0.00610 J+	0.0009 J	3.04	0.00180	0.0597	0.00006 U	0.00240 J+	2.18	0.0006 U	0.001 U
MW-382	C	07/18/2024	A7D	0.0004 U	0.00140	0.0254	0.001 UJ	0.0002 U	0.0131	0.00270 J+	3.18	0.00260	0.0616	0.00006 U	0.00230	1.83	0.0006 U	0.001 U
MW-382	C	10/15/2024	A7DR	0.00100 J	0.00200	0.0254	0.0007 J	0.0002 U	0.0188	0.00360	3.06	0.00340	0.0618	0.00006 U	0.00230	0.335	0.0006 U	0.001 U
MW-392	C	01/09/2024	ADD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.001 J
MW-392	C	02/06/2024	A7	0.0004 U	0.0004 U	0.0551	0.0002 U	0.0002 U	0.00180 J+	0.0002 J	4.28	0.0006 U	0.108	0.00006 U	0.002 UJ	0.474	0.0006 U	0.001 U
MW-392	C	04/16/2024	A7R	0.001 UJ	0.0004 J	0.0521	0.0002 U	0.0002 U	0.0007 U	0.0001 U	4.42	0.0006 U	0.0746	0.00006 J	0.0015 UJ	0.991	0.0006 U	0.001 U
MW-392	C	07/17/2024	A7D	0.0004 U	0.0004 U	0.0365	0.0002 U	0.0002 U	0.0007 U	0.0001 U	4.19	0.0006 U	0.0779	0.00006 U	0.0006 U	0.350	0.0006 U	0.001 U
MW-392	C	10/15/2024	A7DR	0.00100 J	0.0004 U	0.0369	0.0002 U	0.0002 U	0.0007 U	0.0001 U	4.36	0.0006 U	0.0799	0.00006 U	0.0006 U	0.109	0.0006 U	0.001 U
MW-393	C	01/09/2024	ADD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.001 U
MW-393	C	02/06/2024	A7	0.0004 U	0.0004 U	0.0578	0.0002 U	0.0002 U	0.002 UJ	0.0001 U	9.27	0.0006 U	0.110	0.00006 U	0.0006 U	0.615	0.0006 U	0.001 U
MW-393	C	04/16/2024	A7R	0.0004 U	0.0004 U	0.0416	0.0002 U	0.0002 U	0.0015 UJ	0.0001 U	9.22	0.0006 U	0.0714	0.00006 U	0.0006 U	0.250	0.0006 U	0.001 U
MW-393	C	07/17/2024	A7D	0.0004 U	0.0004 U	0.0348	0.0002 U	0.0002 U	0.0007 U	0.0001 U	9.93	0.0006 U	0.0767	0.00006 U	0.0006 U	0.272	0.0006 U	0.001 U
MW-393	C	10/15/2024	A7DR	0.0008 J	0.0004 U	0.0380	0.0002 U	0.0002 U	0.0007 U	0.0001 U	10.4	0.0006 U	0.0706	0.00006 U	0.0006 U	0.0724	0.0006 U	0.001 U
MW-394	C	02/06/2024	A7	0.0004 U	0.0004 U	0.0432	0.0002 U	0.0002 U	0.002 UJ	0.0002 J	4.83	0.0006 U	0.128	0.00006 U	0.0006 U	0.358	0.0006 U	0.001 U
MW-394	C	04/16/2024	A7R	0.001 UJ	0.0005 J	0.0291	0.0002 U	0.0002 U	0.0007 U	0.0001 U	4.92	0.0006 U	0.0656	0.00006 U	0.0006 U	0.706	0.0006 U	0.001 U
MW-394	C	07/17/2024	A7D	0.001 UJ	0.0004 U	0.0188	0.0002 U	0.0002 U	0.0007 U	0.0001 U	5.00	0.0006 U	0.0662	0.00006 U	0.0006 U	0.0243	0.0006 U	0.0013 J
MW-394	C	10/15/2024	A7DR	0.0007 J	0.0004 U	0.0171	0.0002 U	0.0002 U	0.0007 U	0.0001 U	5.07	0.0006 U	0.0622	0.00006 U	0.001 J	0.534	0.0006 U	0.001 U
OW-256	C	02/07/2024	A7	0.0004 U	0.00110	0.110	0.0003 J	0.0002 U	0.002 UJ	0.0008 J	0.250	0.0008 J	0.00700	0.00007 U	0.0006 U	0.624	0.0006 U	0.001 U
OW-256	C	04/17/2024	A7R	0.0004 U	0.0007 J	0.0886	0.0002 U	0.0002 U	0.0015 UJ	0.0002 J	0.260	0.0006 U	0.00910	0.00006 U	0.0006 U	0.674	0.0006 U	0.001 U
OW-256	C	07/17/2024	A7D	0.0004 U	0.00130	0.0818	0.0002 U	0.0002 U	0.0007 U	0.001 UJ	0.290	0.0006 U	0.00780	0.00006 U	0.001 J	0.328	0.0006 U	0.001 U
OW-256	C	10/15/2024	A7DR	0.0006 J	0.0009 J	0.0805	0.0002 U	0.0002 U	0.0007 U	0.0005 J	0.24 J	0.0006 U	0.00830	0.00006 U	0.0011 J	0.400	0.0006 U	0.001 U
OW-257	C	02/06/2024	A7	0.00140 J+	0.00190	0.122	0.0002 U	0.0002 U	0.002 UJ	0.0008 J	0.410	0.0006 U	0.0369	0.00006 U	0.00280 J+	0.366	0.0006 U	0.001 U
OW-257	C	04/17/2024	A7R	0.00100	0.00160	0.113	0.0002 U	0.0002 U	0.0015 UJ	0.0006 J	0.400	0.0006 J	0.0299	0.00006 U	0.00260 J+	1.13	0.0006 U	0.001 U
OW-257	C	07/17/2024	A7D	0.0004 U	0.00260	0.0988	0.0002 U	0.0002 U	0.0007 U	0.00360 J+	0.420	0.0008 J	0.0319	0.00006 U	0.00280	0.969	0.0006 U	0.001 U
OW-257	C	10/14/2024	A7DR	0.00150	0.00160	0.107	0.0002 U	0.0002 U	0.0007 J	0.00320	0.3 J	0.0007 J	0.0391	0.00006 U	0.00290	0.960	0.0006 U	0.001 U

TABLE 3
ANALYTICAL RESULTS - APPENDIX IV PARAMETERS
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	Well Type	Date	Event ID	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Cadmium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Fluoride, total (mg/L)	Lead, total (mg/L)	Lithium, total (mg/L)	Mercury, total (mg/L)	Molybdenum, total (mg/L)	Radium 226 + 228 (pCi/L)	Selenium, total (mg/L)	Thallium, total (mg/L)
PZ-170	C	02/06/2024	A7	0.00630 J+	0.00130	0.205	0.0002 U	0.0006 J	0.00230 J+	0.00350	0.200	0.0008 J	0.0438	0.00006 U	0.0006 U	0.721	0.0006 U	0.001 U
PZ-170	C	04/17/2024	A7R	0.0004 U	0.00190	0.0866	0.0002 U	0.0002 U	0.0015 UJ	0.00260	0.210	0.00200	0.0349	0.00006 U	0.0006 U	0.320	0.0006 U	0.001 U
PZ-170	C	07/17/2024	A7D	0.0004 U	0.00110	0.0825	0.0002 U	0.0002 U	0.0007 U	0.00310 J+	0.220	0.0006 U	0.0306	0.00006 U	0.0006 U	0.223	0.0006 U	0.001 U
PZ-170	C	10/14/2024	A7DR	0.0004 U	0.0009 J	0.0869	0.0002 U	0.0002 U	0.0007 U	0.0009 J	0.2 U	0.0006 U	0.0420	0.00006 U	0.0006 U	0.572	0.0006 U	0.001 U
PZ-182	C	02/06/2024	A7	0.0004 U	0.0008 J	0.104	0.0002 U	0.0002 U	0.002 UJ	0.0009 J	0.160	0.0008 J	0.0223	0.00006 U	0.0006 U	0.00761	0.0006 U	0.0014 J
PZ-182	C	04/17/2024	A7R	0.0005 J	0.0005 J	0.0672	0.0002 U	0.0004 J	0.0015 UJ	0.0004 J	0.180	0.0006 U	0.0149	0.00018 J	0.0006 U	1.09	0.0006 U	0.001 U
PZ-182	C	07/17/2024	A7D	0.0004 U	0.0004 U	0.0555	0.0002 U	0.0006 J	0.0009 J	0.001 UJ	0.240	0.0006 U	0.0152	0.00006 U	0.0006 U	1.01	0.0006 U	0.001 U
PZ-182	C	10/15/2024	A7DR	0.0008 J	0.0004 J	0.0585	0.0002 U	0.0002 U	0.0007 U	0.0002 J	0.2 U	0.0006 U	0.0150	0.00006 U	0.0006 U	0.377	0.0006 U	0.001 U

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

Generated 2025-01-13 13:01 by banoffra

TABLE 4
STATISTICAL BACKGROUND VALUES
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Parameter	Date Range	Sample Count	Percent Non-Detects	Statistical Calculation	Statistical Background Value (LPL/UPL)
Boron (mg/L)	10/26/2022 - 08/07/2023	18	0	Parametric UPL	2.22
Calcium (mg/L)	10/26/2022 - 08/07/2023	18	0	Parametric UPL	17.8
Chloride (mg/L)	10/26/2022 - 08/07/2023	18	0	Non-Parametric UPL	1,370
Fluoride (mg/L)	10/26/2022 - 08/07/2023	18	0	Non-Parametric UPL	3.36
pH (field) (SU)	10/26/2022 - 08/07/2023	19	0	Parametric LPL/UPL (log-transformed)	7.3/8.4
Sulfate (mg/L)	10/26/2022 - 08/07/2023	18	22	Non-Parametric UPL	228
Total Dissolved Solids (mg/L)	10/26/2022 - 08/07/2023	19	0	Non-Parametric UPL	3,260

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

Generated 2024-11-14 14:24:37.925907 by banoffra

TABLE 5
GROUNDWATER PROTECTION STANDARDS
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Parameter	Background					MCL/HBL	Groundwater Protection Standard*	Groundwater Protection Standard Source
	Date Range	Sample Count	Percent Non-Detects	Statistical Calculation	Value			
Antimony (mg/L)	10/26/2022 - 08/07/2023	18	83	Non-parametric UTL	0.00230	0.006	0.006	MCL/HBL
Arsenic (mg/L)	10/26/2022 - 08/07/2023	18	11	Parametric UTL	0.00578	0.010	0.010	MCL/HBL
Barium (mg/L)	10/26/2022 - 08/07/2023	18	0	Non-parametric UTL	0.261	2.0	2.0	MCL/HBL
Beryllium (mg/L)	10/26/2022 - 08/07/2023	18	100	All ND - Last Reporting Limit	0.001	0.004	0.004	MCL/HBL
Cadmium (mg/L)	10/26/2022 - 08/07/2023	18	100	All ND - Last Reporting Limit	0.001	0.005	0.005	MCL/HBL
Chromium (mg/L)	10/26/2022 - 08/07/2023	18	83	Non-parametric UTL	0.0125	0.1	0.1	MCL/HBL
Cobalt (mg/L)	10/26/2022 - 08/07/2023	18	89	Non-parametric UTL	0.00220	0.006	0.006	MCL/HBL
Fluoride (mg/L)	10/26/2022 - 08/07/2023	18	0	Non-parametric UTL	3.36	4.0	4.0	MCL/HBL
Lead (mg/L)	10/26/2022 - 08/07/2023	18	94	Non-parametric UTL	0.00220	0.015	0.015	MCL/HBL
Lithium (mg/L)	10/26/2022 - 08/07/2023	18	0	Parametric UTL	0.123	0.04	0.123	Background
Mercury (mg/L)	10/26/2022 - 08/07/2023	18	100	All ND - Last Reporting Limit	0.0002	0.002	0.002	MCL/HBL
Molybdenum (mg/L)	10/26/2022 - 08/07/2023	18	50	Non-parametric UTL	0.0782	0.1	0.1	MCL/HBL
Radium 226 + Radium 228 (pCi/L)	10/26/2022 - 08/07/2023	18	0	Parametric UTL (log-transformed)	4.14	5	5	MCL/HBL
Selenium (mg/L)	10/26/2022 - 08/07/2023	18	94	Non-parametric UTL	0.00320	0.05	0.05	MCL/HBL
Thallium (mg/L)	10/26/2022 - 08/07/2023	18	100	All ND - Last Reporting Limit	0.002	0.002	0.002	MCL/HBL

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

Generated 2024-11-14 14:24:48.526353 by banoffra

TABLE 6
DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-192	UU	A7	Antimony, total	mg/L	10/27/22 - 02/06/24	11	81	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-192	UU	A7R	Antimony, total	mg/L	10/27/22 - 04/16/24	12	75	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-192	UU	A7D	Antimony, total	mg/L	10/27/22 - 07/17/24	13	76	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-192	UU	A7DR	Antimony, total	mg/L	10/27/22 - 10/15/24	14	78	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-192	UU	A7	Arsenic, total	mg/L	10/27/22 - 02/06/24	11	27	CI around geomean	0.00141	0.010	MCL/HBL	No Exceedance
MW-192	UU	A7R	Arsenic, total	mg/L	10/27/22 - 04/16/24	12	33	CI around geomean	0.00131	0.010	MCL/HBL	No Exceedance
MW-192	UU	A7D	Arsenic, total	mg/L	10/27/22 - 07/17/24	13	38	CI around geomean	0.00124	0.010	MCL/HBL	No Exceedance
MW-192	UU	A7DR	Arsenic, total	mg/L	10/27/22 - 10/15/24	14	42	CI around geomean	0.00120	0.010	MCL/HBL	No Exceedance
MW-192	UU	A7	Barium, total	mg/L	10/27/22 - 02/06/24	11	0	CI around mean	0.0916	2.0	MCL/HBL	No Exceedance
MW-192	UU	A7R	Barium, total	mg/L	10/27/22 - 04/16/24	12	0	CI around mean	0.0909	2.0	MCL/HBL	No Exceedance
MW-192	UU	A7D	Barium, total	mg/L	10/27/22 - 07/17/24	13	0	CI around mean	0.0898	2.0	MCL/HBL	No Exceedance
MW-192	UU	A7DR	Barium, total	mg/L	10/27/22 - 10/15/24	14	0	CI around mean	0.0903	2.0	MCL/HBL	No Exceedance
MW-192	UU	A7	Beryllium, total	mg/L	10/27/22 - 02/06/24	11	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-192	UU	A7R	Beryllium, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-192	UU	A7D	Beryllium, total	mg/L	10/27/22 - 07/17/24	13	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-192	UU	A7DR	Beryllium, total	mg/L	10/27/22 - 10/15/24	14	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-192	UU	A7	Cadmium, total	mg/L	10/27/22 - 02/06/24	11	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-192	UU	A7R	Cadmium, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-192	UU	A7D	Cadmium, total	mg/L	10/27/22 - 07/17/24	13	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-192	UU	A7DR	Cadmium, total	mg/L	10/27/22 - 10/15/24	14	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-192	UU	A7	Chromium, total	mg/L	10/27/22 - 02/06/24	11	81	CI around median	0.00150	0.1	MCL/HBL	No Exceedance
MW-192	UU	A7R	Chromium, total	mg/L	10/27/22 - 04/16/24	12	83	CI around median	0.00150	0.1	MCL/HBL	No Exceedance
MW-192	UU	A7D	Chromium, total	mg/L	10/27/22 - 07/17/24	13	84	CI around median	0.00150	0.1	MCL/HBL	No Exceedance
MW-192	UU	A7DR	Chromium, total	mg/L	10/27/22 - 10/15/24	14	85	CI around median	0.00150	0.1	MCL/HBL	No Exceedance
MW-192	UU	A7	Cobalt, total	mg/L	10/27/22 - 02/06/24	11	36	CI around mean	0.00102	0.006	MCL/HBL	No Exceedance
MW-192	UU	A7R	Cobalt, total	mg/L	10/27/22 - 04/16/24	12	41	CI around mean	0.00101	0.006	MCL/HBL	No Exceedance
MW-192	UU	A7D	Cobalt, total	mg/L	10/27/22 - 07/17/24	13	46	CI around median	0.00100	0.006	MCL/HBL	No Exceedance

TABLE 6
DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-192	UU	A7DR	Cobalt, total	mg/L	10/27/22 - 10/15/24	14	50	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-192	UU	A7	Fluoride, total	mg/L	10/27/22 - 02/06/24	11	0	CI around mean	0.412	4.0	MCL/HBL	No Exceedance
MW-192	UU	A7R	Fluoride, total	mg/L	10/27/22 - 04/16/24	12	0	CI around mean	0.415	4.0	MCL/HBL	No Exceedance
MW-192	UU	A7D	Fluoride, total	mg/L	10/27/22 - 07/17/24	13	0	CI around mean	0.418	4.0	MCL/HBL	No Exceedance
MW-192	UU	A7DR	Fluoride, total	mg/L	10/27/22 - 10/15/24	14	7	CI around median	0.410	4.0	MCL/HBL	No Exceedance
MW-192	UU	A7	Lead, total	mg/L	10/27/22 - 02/06/24	11	72	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
MW-192	UU	A7R	Lead, total	mg/L	10/27/22 - 04/16/24	12	75	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
MW-192	UU	A7D	Lead, total	mg/L	10/27/22 - 07/17/24	13	76	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
MW-192	UU	A7DR	Lead, total	mg/L	10/27/22 - 10/15/24	14	78	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
MW-192	UU	A7	Lithium, total	mg/L	10/27/22 - 02/06/24	11	9	CB around linear reg	-0.0280	0.123	Background	No Exceedance
MW-192	UU	A7R	Lithium, total	mg/L	10/27/22 - 04/16/24	12	8	CB around linear reg	-0.0252	0.123	Background	No Exceedance
MW-192	UU	A7D	Lithium, total	mg/L	10/27/22 - 07/17/24	13	7	CB around linear reg	-0.0247	0.123	Background	No Exceedance
MW-192	UU	A7DR	Lithium, total	mg/L	10/27/22 - 10/15/24	14	7	CB around linear reg	-0.0237	0.123	Background	No Exceedance
MW-192	UU	A7	Mercury, total	mg/L	10/27/22 - 02/06/24	11	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-192	UU	A7R	Mercury, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-192	UU	A7D	Mercury, total	mg/L	10/27/22 - 07/17/24	13	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-192	UU	A7DR	Mercury, total	mg/L	10/27/22 - 10/15/24	14	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-192	UU	A7	Molybdenum, total	mg/L	10/27/22 - 02/06/24	11	18	CI around mean	0.00180	0.1	MCL/HBL	No Exceedance
MW-192	UU	A7R	Molybdenum, total	mg/L	10/27/22 - 04/16/24	12	16	CI around mean	0.00177	0.1	MCL/HBL	No Exceedance
MW-192	UU	A7D	Molybdenum, total	mg/L	10/27/22 - 07/17/24	13	23	CB around T-S line	-0.00295	0.1	MCL/HBL	No Exceedance
MW-192	UU	A7DR	Molybdenum, total	mg/L	10/27/22 - 10/15/24	14	21	CB around T-S line	-0.00419	0.1	MCL/HBL	No Exceedance
MW-192	UU	A7	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 02/06/24	11	0	CI around mean	0.400	5	MCL/HBL	No Exceedance
MW-192	UU	A7R	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 04/16/24	12	0	CI around mean	0.337	5	MCL/HBL	No Exceedance
MW-192	UU	A7D	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 07/17/24	13	0	CI around mean	0.348	5	MCL/HBL	No Exceedance
MW-192	UU	A7DR	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 10/15/24	14	0	CI around mean	0.338	5	MCL/HBL	No Exceedance
MW-192	UU	A7	Selenium, total	mg/L	10/27/22 - 02/06/24	11	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-192	UU	A7R	Selenium, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance

TABLE 6
DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-192	UU	A7D	Selenium, total	mg/L	10/27/22 - 07/17/24	13	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-192	UU	A7DR	Selenium, total	mg/L	10/27/22 - 10/15/24	14	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-192	UU	A7	Thallium, total	mg/L	10/27/22 - 02/06/24	11	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-192	UU	A7R	Thallium, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-192	UU	A7D	Thallium, total	mg/L	10/27/22 - 07/17/24	13	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-192	UU	A7DR	Thallium, total	mg/L	10/27/22 - 10/15/24	14	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-193	UU	A7	Antimony, total	mg/L	10/27/22 - 02/06/24	11	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-193	UU	A7R	Antimony, total	mg/L	10/27/22 - 04/16/24	12	91	Most recent sample	0.00100	0.006	MCL/HBL	No Exceedance
MW-193	UU	A7D	Antimony, total	mg/L	10/27/22 - 07/17/24	13	92	Most recent sample	0.00100	0.006	MCL/HBL	No Exceedance
MW-193	UU	A7DR	Antimony, total	mg/L	10/27/22 - 10/15/24	14	92	Most recent sample	0.00100	0.006	MCL/HBL	No Exceedance
MW-193	UU	A7	Arsenic, total	mg/L	10/27/22 - 02/06/24	11	18	CB around T-S line	-0.00357	0.010	MCL/HBL	No Exceedance
MW-193	UU	A7R	Arsenic, total	mg/L	10/27/22 - 04/16/24	12	25	CB around T-S line	-0.00464	0.010	MCL/HBL	No Exceedance
MW-193	UU	A7D	Arsenic, total	mg/L	10/27/22 - 07/17/24	13	30	CB around T-S line	-0.00409	0.010	MCL/HBL	No Exceedance
MW-193	UU	A7DR	Arsenic, total	mg/L	10/27/22 - 10/15/24	14	35	CB around T-S line	-0.00140	0.010	MCL/HBL	No Exceedance
MW-193	UU	A7	Barium, total	mg/L	10/27/22 - 02/06/24	11	0	CI around median	0.0743	2.0	MCL/HBL	No Exceedance
MW-193	UU	A7R	Barium, total	mg/L	10/27/22 - 04/16/24	12	0	CI around median	0.0743	2.0	MCL/HBL	No Exceedance
MW-193	UU	A7D	Barium, total	mg/L	10/27/22 - 07/17/24	13	0	CI around median	0.0743	2.0	MCL/HBL	No Exceedance
MW-193	UU	A7DR	Barium, total	mg/L	10/27/22 - 10/15/24	14	0	CI around median	0.0743	2.0	MCL/HBL	No Exceedance
MW-193	UU	A7	Beryllium, total	mg/L	10/27/22 - 02/06/24	11	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-193	UU	A7R	Beryllium, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-193	UU	A7D	Beryllium, total	mg/L	10/27/22 - 07/17/24	13	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-193	UU	A7DR	Beryllium, total	mg/L	10/27/22 - 10/15/24	14	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-193	UU	A7	Cadmium, total	mg/L	10/27/22 - 02/06/24	11	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-193	UU	A7R	Cadmium, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-193	UU	A7D	Cadmium, total	mg/L	10/27/22 - 07/17/24	13	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-193	UU	A7DR	Cadmium, total	mg/L	10/27/22 - 10/15/24	14	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-193	UU	A7	Chromium, total	mg/L	10/27/22 - 02/06/24	11	81	CI around median	0.00150	0.1	MCL/HBL	No Exceedance

TABLE 6
DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-193	UU	A7R	Chromium, total	mg/L	10/27/22 - 04/16/24	12	83	CI around median	0.00150	0.1	MCL/HBL	No Exceedance
MW-193	UU	A7D	Chromium, total	mg/L	10/27/22 - 07/17/24	13	84	CI around median	0.00150	0.1	MCL/HBL	No Exceedance
MW-193	UU	A7DR	Chromium, total	mg/L	10/27/22 - 10/15/24	14	85	CI around median	0.00150	0.1	MCL/HBL	No Exceedance
MW-193	UU	A7	Cobalt, total	mg/L	10/27/22 - 02/06/24	11	90	Most recent sample	0.00100	0.006	MCL/HBL	No Exceedance
MW-193	UU	A7R	Cobalt, total	mg/L	10/27/22 - 04/16/24	12	91	Most recent sample	0.00100	0.006	MCL/HBL	No Exceedance
MW-193	UU	A7D	Cobalt, total	mg/L	10/27/22 - 07/17/24	13	92	Most recent sample	0.00100	0.006	MCL/HBL	No Exceedance
MW-193	UU	A7DR	Cobalt, total	mg/L	10/27/22 - 10/15/24	14	92	Most recent sample	0.00100	0.006	MCL/HBL	No Exceedance
MW-193	UU	A7	Fluoride, total	mg/L	10/27/22 - 02/06/24	11	0	CI around mean	0.244	4.0	MCL/HBL	No Exceedance
MW-193	UU	A7R	Fluoride, total	mg/L	10/27/22 - 04/16/24	12	0	CI around mean	0.246	4.0	MCL/HBL	No Exceedance
MW-193	UU	A7D	Fluoride, total	mg/L	10/27/22 - 07/17/24	13	0	CI around mean	0.245	4.0	MCL/HBL	No Exceedance
MW-193	UU	A7DR	Fluoride, total	mg/L	10/27/22 - 10/15/24	14	7	CI around geomean	0.246	4.0	MCL/HBL	No Exceedance
MW-193	UU	A7	Lead, total	mg/L	10/27/22 - 02/06/24	11	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
MW-193	UU	A7R	Lead, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
MW-193	UU	A7D	Lead, total	mg/L	10/27/22 - 07/17/24	13	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
MW-193	UU	A7DR	Lead, total	mg/L	10/27/22 - 10/15/24	14	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
MW-193	UU	A7	Lithium, total	mg/L	10/27/22 - 02/06/24	11	18	CI around mean	0.00455	0.123	Background	No Exceedance
MW-193	UU	A7R	Lithium, total	mg/L	10/27/22 - 04/16/24	12	16	CI around mean	0.00451	0.123	Background	No Exceedance
MW-193	UU	A7D	Lithium, total	mg/L	10/27/22 - 07/17/24	13	15	CI around mean	0.00442	0.123	Background	No Exceedance
MW-193	UU	A7DR	Lithium, total	mg/L	10/27/22 - 10/15/24	14	14	CI around mean	0.00399	0.123	Background	No Exceedance
MW-193	UU	A7	Mercury, total	mg/L	10/27/22 - 02/06/24	11	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-193	UU	A7R	Mercury, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-193	UU	A7D	Mercury, total	mg/L	10/27/22 - 07/17/24	13	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-193	UU	A7DR	Mercury, total	mg/L	10/27/22 - 10/15/24	14	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-193	UU	A7	Molybdenum, total	mg/L	10/27/22 - 02/06/24	11	72	CI around median	0.00150	0.1	MCL/HBL	No Exceedance
MW-193	UU	A7R	Molybdenum, total	mg/L	10/27/22 - 04/16/24	12	75	CI around median	0.00150	0.1	MCL/HBL	No Exceedance
MW-193	UU	A7D	Molybdenum, total	mg/L	10/27/22 - 07/17/24	13	76	CI around median	0.00150	0.1	MCL/HBL	No Exceedance
MW-193	UU	A7DR	Molybdenum, total	mg/L	10/27/22 - 10/15/24	14	78	CI around median	0.00150	0.1	MCL/HBL	No Exceedance

TABLE 6
DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-193	UU	A7	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 02/06/24	11	0	CI around mean	0.422	5	MCL/HBL	No Exceedance
MW-193	UU	A7R	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 04/16/24	12	0	CI around mean	0.463	5	MCL/HBL	No Exceedance
MW-193	UU	A7D	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 07/17/24	13	0	CI around mean	0.484	5	MCL/HBL	No Exceedance
MW-193	UU	A7DR	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 10/15/24	14	0	CI around mean	0.479	5	MCL/HBL	No Exceedance
MW-193	UU	A7	Selenium, total	mg/L	10/27/22 - 02/06/24	11	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-193	UU	A7R	Selenium, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-193	UU	A7D	Selenium, total	mg/L	10/27/22 - 07/17/24	13	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-193	UU	A7DR	Selenium, total	mg/L	10/27/22 - 10/15/24	14	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-193	UU	A7	Thallium, total	mg/L	10/27/22 - 02/06/24	11	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-193	UU	A7R	Thallium, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-193	UU	A7D	Thallium, total	mg/L	10/27/22 - 07/17/24	13	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-193	UU	A7DR	Thallium, total	mg/L	10/27/22 - 10/15/24	14	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-356	UA	A7	Antimony, total	mg/L	12/29/15 - 02/07/24	26	88	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-356	UA	A7R	Antimony, total	mg/L	12/29/15 - 04/16/24	27	88	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-356	UA	A7D	Antimony, total	mg/L	12/29/15 - 07/18/24	28	89	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-356	UA	A7DR	Antimony, total	mg/L	12/29/15 - 10/16/24	29	89	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-356	UA	A7	Arsenic, total	mg/L	12/29/15 - 02/07/24	29	82	CI around median	0.00100	0.010	MCL/HBL	No Exceedance
MW-356	UA	A7R	Arsenic, total	mg/L	12/29/15 - 04/16/24	30	83	CI around median	0.00100	0.010	MCL/HBL	No Exceedance
MW-356	UA	A7D	Arsenic, total	mg/L	12/29/15 - 07/18/24	31	83	CI around median	0.00100	0.010	MCL/HBL	No Exceedance
MW-356	UA	A7DR	Arsenic, total	mg/L	12/29/15 - 10/16/24	32	84	CI around median	0.00100	0.010	MCL/HBL	No Exceedance
MW-356	UA	A7	Barium, total	mg/L	12/29/15 - 02/07/24	29	0	CI around median	0.0299	2.0	MCL/HBL	No Exceedance
MW-356	UA	A7R	Barium, total	mg/L	12/29/15 - 04/16/24	30	0	CI around median	0.0299	2.0	MCL/HBL	No Exceedance
MW-356	UA	A7D	Barium, total	mg/L	12/29/15 - 07/18/24	31	0	CI around median	0.0299	2.0	MCL/HBL	No Exceedance
MW-356	UA	A7DR	Barium, total	mg/L	12/29/15 - 10/16/24	32	0	CI around median	0.0299	2.0	MCL/HBL	No Exceedance
MW-356	UA	A7	Beryllium, total	mg/L	12/29/15 - 02/07/24	24	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-356	UA	A7R	Beryllium, total	mg/L	12/29/15 - 04/16/24	25	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-356	UA	A7D	Beryllium, total	mg/L	12/29/15 - 07/18/24	26	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance

TABLE 6
DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-356	UA	A7DR	Beryllium, total	mg/L	12/29/15 - 10/16/24	27	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-356	UA	A7	Cadmium, total	mg/L	12/29/15 - 02/07/24	24	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-356	UA	A7R	Cadmium, total	mg/L	12/29/15 - 04/16/24	25	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-356	UA	A7D	Cadmium, total	mg/L	12/29/15 - 07/18/24	26	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-356	UA	A7DR	Cadmium, total	mg/L	12/29/15 - 10/16/24	27	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-356	UA	A7	Chromium, total	mg/L	12/29/15 - 02/07/24	28	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
MW-356	UA	A7R	Chromium, total	mg/L	12/29/15 - 04/16/24	29	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
MW-356	UA	A7D	Chromium, total	mg/L	12/29/15 - 07/18/24	30	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
MW-356	UA	A7DR	Chromium, total	mg/L	12/29/15 - 10/16/24	31	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
MW-356	UA	A7	Cobalt, total	mg/L	12/29/15 - 02/07/24	27	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-356	UA	A7R	Cobalt, total	mg/L	12/29/15 - 04/16/24	28	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-356	UA	A7D	Cobalt, total	mg/L	12/29/15 - 07/18/24	29	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-356	UA	A7DR	Cobalt, total	mg/L	12/29/15 - 10/16/24	30	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-356	UA	A7	Fluoride, total	mg/L	12/29/15 - 02/07/24	30	0	CB around linear reg	1.98	4.0	MCL/HBL	No Exceedance
MW-356	UA	A7R	Fluoride, total	mg/L	12/29/15 - 04/16/24	31	0	CB around linear reg	1.99	4.0	MCL/HBL	No Exceedance
MW-356	UA	A7D	Fluoride, total	mg/L	12/29/15 - 07/18/24	32	0	CB around linear reg	1.99	4.0	MCL/HBL	No Exceedance
MW-356	UA	A7DR	Fluoride, total	mg/L	12/29/15 - 10/16/24	33	0	CB around linear reg	2.00	4.0	MCL/HBL	No Exceedance
MW-356	UA	A7	Lead, total	mg/L	12/29/15 - 02/07/24	27	96	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
MW-356	UA	A7R	Lead, total	mg/L	12/29/15 - 04/16/24	28	96	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
MW-356	UA	A7D	Lead, total	mg/L	12/29/15 - 07/18/24	29	96	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
MW-356	UA	A7DR	Lead, total	mg/L	12/29/15 - 10/16/24	30	96	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
MW-356	UA	A7	Lithium, total	mg/L	12/29/15 - 02/07/24	29	0	CI around geomean	0.0526	0.123	Background	No Exceedance
MW-356	UA	A7R	Lithium, total	mg/L	12/29/15 - 04/16/24	30	0	CI around geomean	0.0526	0.123	Background	No Exceedance
MW-356	UA	A7D	Lithium, total	mg/L	12/29/15 - 07/18/24	31	0	CI around geomean	0.0527	0.123	Background	No Exceedance
MW-356	UA	A7DR	Lithium, total	mg/L	12/29/15 - 10/16/24	32	0	CI around median	0.0523	0.123	Background	No Exceedance
MW-356	UA	A7	Mercury, total	mg/L	12/29/15 - 02/07/24	24	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-356	UA	A7R	Mercury, total	mg/L	12/29/15 - 04/16/24	25	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance

TABLE 6
DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-356	UA	A7D	Mercury, total	mg/L	12/29/15 - 07/18/24	26	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-356	UA	A7DR	Mercury, total	mg/L	12/29/15 - 10/16/24	27	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-356	UA	A7	Molybdenum, total	mg/L	12/29/15 - 02/07/24	29	62	CI around median	0.00150	0.1	MCL/HBL	No Exceedance
MW-356	UA	A7R	Molybdenum, total	mg/L	12/29/15 - 04/16/24	30	63	CI around median	0.00150	0.1	MCL/HBL	No Exceedance
MW-356	UA	A7D	Molybdenum, total	mg/L	12/29/15 - 07/18/24	31	64	CI around median	0.00150	0.1	MCL/HBL	No Exceedance
MW-356	UA	A7DR	Molybdenum, total	mg/L	12/29/15 - 10/16/24	32	62	CI around median	0.00150	0.1	MCL/HBL	No Exceedance
MW-356	UA	A7	Radium 226 + Radium 228, total	pCi/L	12/29/15 - 02/07/24	29	0	CI around median	0.120	5	MCL/HBL	No Exceedance
MW-356	UA	A7R	Radium 226 + Radium 228, total	pCi/L	12/29/15 - 04/16/24	30	0	CI around median	0.120	5	MCL/HBL	No Exceedance
MW-356	UA	A7D	Radium 226 + Radium 228, total	pCi/L	12/29/15 - 07/18/24	31	0	CI around median	0.146	5	MCL/HBL	No Exceedance
MW-356	UA	A7DR	Radium 226 + Radium 228, total	pCi/L	12/29/15 - 10/16/24	32	0	CI around median	0.146	5	MCL/HBL	No Exceedance
MW-356	UA	A7	Selenium, total	mg/L	12/29/15 - 02/07/24	26	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-356	UA	A7R	Selenium, total	mg/L	12/29/15 - 04/16/24	27	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-356	UA	A7D	Selenium, total	mg/L	12/29/15 - 07/18/24	28	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-356	UA	A7DR	Selenium, total	mg/L	12/29/15 - 10/16/24	29	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-356	UA	A7	Thallium, total	mg/L	12/29/15 - 02/07/24	24	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-356	UA	A7R	Thallium, total	mg/L	12/29/15 - 04/16/24	25	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-356	UA	A7D	Thallium, total	mg/L	12/29/15 - 07/18/24	26	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-356	UA	A7DR	Thallium, total	mg/L	12/29/15 - 10/16/24	27	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-369	UA	A7	Antimony, total	mg/L	12/29/15 - 02/06/24	20	80	CB around T-S line	-0.000392	0.006	MCL/HBL	No Exceedance
MW-369	UA	A7R	Antimony, total	mg/L	12/29/15 - 04/16/24	21	80	CB around T-S line	-0.000206	0.006	MCL/HBL	No Exceedance
MW-369	UA	A7D	Antimony, total	mg/L	12/29/15 - 07/18/24	22	81	CB around T-S line	-0.000157	0.006	MCL/HBL	No Exceedance
MW-369	UA	A7DR	Antimony, total	mg/L	12/29/15 - 10/15/24	23	78	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-369	UA	A7	Arsenic, total	mg/L	12/29/15 - 02/06/24	23	13	CI around geomean	0.00147	0.010	MCL/HBL	No Exceedance
MW-369	UA	A7R	Arsenic, total	mg/L	12/29/15 - 04/16/24	24	12	CI around geomean	0.00145	0.010	MCL/HBL	No Exceedance
MW-369	UA	A7D	Arsenic, total	mg/L	12/29/15 - 07/18/24	25	12	CI around geomean	0.00143	0.010	MCL/HBL	No Exceedance
MW-369	UA	A7DR	Arsenic, total	mg/L	12/29/15 - 10/15/24	26	11	CI around geomean	0.00145	0.010	MCL/HBL	No Exceedance
MW-369	UA	A7	Barium, total	mg/L	12/29/15 - 02/06/24	23	0	CB around T-S line	0.0618	2.0	MCL/HBL	No Exceedance

TABLE 6
DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-369	UA	A7R	Barium, total	mg/L	12/29/15 - 04/16/24	24	0	CB around T-S line	0.0698	2.0	MCL/HBL	No Exceedance
MW-369	UA	A7D	Barium, total	mg/L	12/29/15 - 07/18/24	25	0	CB around T-S line	0.0689	2.0	MCL/HBL	No Exceedance
MW-369	UA	A7DR	Barium, total	mg/L	12/29/15 - 10/15/24	26	0	CB around T-S line	0.0739	2.0	MCL/HBL	No Exceedance
MW-369	UA	A7	Beryllium, total	mg/L	12/29/15 - 02/06/24	18	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-369	UA	A7R	Beryllium, total	mg/L	12/29/15 - 04/16/24	19	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-369	UA	A7D	Beryllium, total	mg/L	12/29/15 - 07/18/24	20	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-369	UA	A7DR	Beryllium, total	mg/L	12/29/15 - 10/15/24	21	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-369	UA	A7	Cadmium, total	mg/L	12/29/15 - 02/06/24	18	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-369	UA	A7R	Cadmium, total	mg/L	12/29/15 - 04/16/24	19	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-369	UA	A7D	Cadmium, total	mg/L	12/29/15 - 07/18/24	20	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-369	UA	A7DR	Cadmium, total	mg/L	12/29/15 - 10/15/24	21	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-369	UA	A7	Chromium, total	mg/L	12/29/15 - 02/06/24	22	90	CB around T-S line	0.00100	0.1	MCL/HBL	No Exceedance
MW-369	UA	A7R	Chromium, total	mg/L	12/29/15 - 04/16/24	23	91	CB around T-S line	0.00150	0.1	MCL/HBL	No Exceedance
MW-369	UA	A7D	Chromium, total	mg/L	12/29/15 - 07/18/24	24	91	CB around T-S line	0.00150	0.1	MCL/HBL	No Exceedance
MW-369	UA	A7DR	Chromium, total	mg/L	12/29/15 - 10/15/24	25	92	CB around T-S line	0.00150	0.1	MCL/HBL	No Exceedance
MW-369	UA	A7	Cobalt, total	mg/L	12/29/15 - 02/06/24	21	80	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-369	UA	A7R	Cobalt, total	mg/L	12/29/15 - 04/16/24	22	81	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-369	UA	A7D	Cobalt, total	mg/L	12/29/15 - 07/18/24	23	78	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-369	UA	A7DR	Cobalt, total	mg/L	12/29/15 - 10/15/24	24	75	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-369	UA	A7	Fluoride, total	mg/L	12/29/15 - 02/06/24	24	0	CI around geomean	1.03	4.0	MCL/HBL	No Exceedance
MW-369	UA	A7R	Fluoride, total	mg/L	12/29/15 - 04/16/24	25	0	CB around T-S line	-0.569	4.0	MCL/HBL	No Exceedance
MW-369	UA	A7D	Fluoride, total	mg/L	12/29/15 - 07/18/24	26	0	CB around T-S line	-0.432	4.0	MCL/HBL	No Exceedance
MW-369	UA	A7DR	Fluoride, total	mg/L	12/29/15 - 10/15/24	27	0	CB around T-S line	-0.295	4.0	MCL/HBL	No Exceedance
MW-369	UA	A7	Lead, total	mg/L	12/29/15 - 02/06/24	21	95	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
MW-369	UA	A7R	Lead, total	mg/L	12/29/15 - 04/16/24	22	95	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
MW-369	UA	A7D	Lead, total	mg/L	12/29/15 - 07/18/24	23	95	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
MW-369	UA	A7DR	Lead, total	mg/L	12/29/15 - 10/15/24	24	95	CI around median	0.00100	0.015	MCL/HBL	No Exceedance

TABLE 6
DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-369	UA	A7	Lithium, total	mg/L	12/29/15 - 02/06/24	23	4	CI around mean	0.0211	0.123	Background	No Exceedance
MW-369	UA	A7R	Lithium, total	mg/L	12/29/15 - 04/16/24	24	4	CI around mean	0.0210	0.123	Background	No Exceedance
MW-369	UA	A7D	Lithium, total	mg/L	12/29/15 - 07/18/24	25	4	CI around mean	0.0206	0.123	Background	No Exceedance
MW-369	UA	A7DR	Lithium, total	mg/L	12/29/15 - 10/15/24	26	3	CB around T-S line	0.00831	0.123	Background	No Exceedance
MW-369	UA	A7	Mercury, total	mg/L	12/29/15 - 02/06/24	18	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-369	UA	A7R	Mercury, total	mg/L	12/29/15 - 04/16/24	19	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-369	UA	A7D	Mercury, total	mg/L	12/29/15 - 07/18/24	20	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-369	UA	A7DR	Mercury, total	mg/L	12/29/15 - 10/15/24	21	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-369	UA	A7	Molybdenum, total	mg/L	12/29/15 - 02/06/24	23	4	CB around T-S line	-0.00721	0.1	MCL/HBL	No Exceedance
MW-369	UA	A7R	Molybdenum, total	mg/L	12/29/15 - 04/16/24	24	4	CB around T-S line	-0.00551	0.1	MCL/HBL	No Exceedance
MW-369	UA	A7D	Molybdenum, total	mg/L	12/29/15 - 07/18/24	25	4	CB around T-S line	-0.00805	0.1	MCL/HBL	No Exceedance
MW-369	UA	A7DR	Molybdenum, total	mg/L	12/29/15 - 10/15/24	26	3	CB around T-S line	-0.00639	0.1	MCL/HBL	No Exceedance
MW-369	UA	A7	Radium 226 + Radium 228, total	pCi/L	12/29/15 - 02/06/24	23	0	CI around mean	0.433	5	MCL/HBL	No Exceedance
MW-369	UA	A7R	Radium 226 + Radium 228, total	pCi/L	12/29/15 - 04/16/24	24	0	CI around mean	0.450	5	MCL/HBL	No Exceedance
MW-369	UA	A7D	Radium 226 + Radium 228, total	pCi/L	12/29/15 - 07/18/24	25	0	CI around mean	0.473	5	MCL/HBL	No Exceedance
MW-369	UA	A7DR	Radium 226 + Radium 228, total	pCi/L	12/29/15 - 10/15/24	26	0	CI around mean	0.459	5	MCL/HBL	No Exceedance
MW-369	UA	A7	Selenium, total	mg/L	12/29/15 - 02/06/24	20	65	CB around T-S line	-0.0135	0.05	MCL/HBL	No Exceedance
MW-369	UA	A7R	Selenium, total	mg/L	12/29/15 - 04/16/24	21	66	CB around T-S line	-0.00896	0.05	MCL/HBL	No Exceedance
MW-369	UA	A7D	Selenium, total	mg/L	12/29/15 - 07/18/24	22	68	CB around T-S line	-0.0139	0.05	MCL/HBL	No Exceedance
MW-369	UA	A7DR	Selenium, total	mg/L	12/29/15 - 10/15/24	23	69	CB around T-S line	-0.00691	0.05	MCL/HBL	No Exceedance
MW-369	UA	A7	Thallium, total	mg/L	12/29/15 - 02/06/24	18	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-369	UA	A7R	Thallium, total	mg/L	12/29/15 - 04/16/24	19	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-369	UA	A7D	Thallium, total	mg/L	12/29/15 - 07/18/24	20	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-369	UA	A7DR	Thallium, total	mg/L	12/29/15 - 10/15/24	21	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-370	UA	A7	Antimony, total	mg/L	12/29/15 - 02/06/24	26	76	CB around T-S line	-0.000153	0.006	MCL/HBL	No Exceedance
MW-370	UA	A7R	Antimony, total	mg/L	12/29/15 - 04/16/24	27	77	CB around T-S line	-0.000129	0.006	MCL/HBL	No Exceedance
MW-370	UA	A7D	Antimony, total	mg/L	12/29/15 - 07/18/24	28	78	CB around T-S line	0.0000531	0.006	MCL/HBL	No Exceedance

TABLE 6
DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-370	UA	A7DR	Antimony, total	mg/L	12/29/15 - 10/15/24	29	75	CB around T-S line	0.000298	0.006	MCL/HBL	No Exceedance
MW-370	UA	A7	Arsenic, total	mg/L	12/29/15 - 02/06/24	29	58	CB around T-S line	0.000160	0.010	MCL/HBL	No Exceedance
MW-370	UA	A7R	Arsenic, total	mg/L	12/29/15 - 04/16/24	30	60	CB around T-S line	0.000221	0.010	MCL/HBL	No Exceedance
MW-370	UA	A7D	Arsenic, total	mg/L	12/29/15 - 07/18/24	31	61	CB around T-S line	0.0000775	0.010	MCL/HBL	No Exceedance
MW-370	UA	A7DR	Arsenic, total	mg/L	12/29/15 - 10/15/24	32	62	CB around T-S line	0.000147	0.010	MCL/HBL	No Exceedance
MW-370	UA	A7	Barium, total	mg/L	12/29/15 - 02/06/24	29	0	CB around T-S line	0.0266	2.0	MCL/HBL	No Exceedance
MW-370	UA	A7R	Barium, total	mg/L	12/29/15 - 04/16/24	30	0	CB around T-S line	0.0272	2.0	MCL/HBL	No Exceedance
MW-370	UA	A7D	Barium, total	mg/L	12/29/15 - 07/18/24	31	0	CB around T-S line	0.0263	2.0	MCL/HBL	No Exceedance
MW-370	UA	A7DR	Barium, total	mg/L	12/29/15 - 10/15/24	32	0	CB around T-S line	0.0273	2.0	MCL/HBL	No Exceedance
MW-370	UA	A7	Beryllium, total	mg/L	12/29/15 - 02/06/24	24	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-370	UA	A7R	Beryllium, total	mg/L	12/29/15 - 04/16/24	25	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-370	UA	A7D	Beryllium, total	mg/L	12/29/15 - 07/18/24	26	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-370	UA	A7DR	Beryllium, total	mg/L	12/29/15 - 10/15/24	27	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-370	UA	A7	Cadmium, total	mg/L	12/29/15 - 02/06/24	24	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-370	UA	A7R	Cadmium, total	mg/L	12/29/15 - 04/16/24	25	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-370	UA	A7D	Cadmium, total	mg/L	12/29/15 - 07/18/24	26	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-370	UA	A7DR	Cadmium, total	mg/L	12/29/15 - 10/15/24	27	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-370	UA	A7	Chromium, total	mg/L	12/29/15 - 02/06/24	28	96	CB around T-S line	0.00150	0.1	MCL/HBL	No Exceedance
MW-370	UA	A7R	Chromium, total	mg/L	12/29/15 - 04/16/24	29	96	CB around T-S line	0.00150	0.1	MCL/HBL	No Exceedance
MW-370	UA	A7D	Chromium, total	mg/L	12/29/15 - 07/18/24	30	96	CB around T-S line	0.00150	0.1	MCL/HBL	No Exceedance
MW-370	UA	A7DR	Chromium, total	mg/L	12/29/15 - 10/15/24	31	96	CB around T-S line	0.00150	0.1	MCL/HBL	No Exceedance
MW-370	UA	A7	Cobalt, total	mg/L	12/29/15 - 02/06/24	27	96	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-370	UA	A7R	Cobalt, total	mg/L	12/29/15 - 04/16/24	28	96	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-370	UA	A7D	Cobalt, total	mg/L	12/29/15 - 07/18/24	29	96	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-370	UA	A7DR	Cobalt, total	mg/L	12/29/15 - 10/15/24	30	96	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-370	UA	A7	Fluoride, total	mg/L	12/29/15 - 02/06/24	30	0	CB around linear reg	3.05	4.0	MCL/HBL	No Exceedance
MW-370	UA	A7R	Fluoride, total	mg/L	12/29/15 - 04/16/24	31	0	CB around linear reg	3.07	4.0	MCL/HBL	No Exceedance

TABLE 6
DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-370	UA	A7D	Fluoride, total	mg/L	12/29/15 - 07/18/24	32	0	CB around T-S line	3.07	4.0	MCL/HBL	No Exceedance
MW-370	UA	A7DR	Fluoride, total	mg/L	12/29/15 - 10/15/24	33	0	CB around T-S line	3.05	4.0	MCL/HBL	No Exceedance
MW-370	UA	A7	Lead, total	mg/L	12/29/15 - 02/06/24	27	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
MW-370	UA	A7R	Lead, total	mg/L	12/29/15 - 04/16/24	28	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
MW-370	UA	A7D	Lead, total	mg/L	12/29/15 - 07/18/24	29	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
MW-370	UA	A7DR	Lead, total	mg/L	12/29/15 - 10/15/24	30	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
MW-370	UA	A7	Lithium, total	mg/L	12/29/15 - 02/06/24	29	0	CI around mean	0.131	0.123	Background	Reported
MW-370	UA	A7R	Lithium, total	mg/L	12/29/15 - 04/16/24	30	0	CI around mean	0.132	0.123	Background	Confirmed
MW-370	UA	A7D	Lithium, total	mg/L	12/29/15 - 07/18/24	31	0	CI around mean	0.132	0.123	Background	Reported
MW-370	UA	A7DR	Lithium, total	mg/L	12/29/15 - 10/15/24	32	0	CI around mean	0.133	0.123	Background	Confirmed
MW-370	UA	A7	Mercury, total	mg/L	12/29/15 - 02/06/24	24	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-370	UA	A7R	Mercury, total	mg/L	12/29/15 - 04/16/24	25	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-370	UA	A7D	Mercury, total	mg/L	12/29/15 - 07/18/24	26	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-370	UA	A7DR	Mercury, total	mg/L	12/29/15 - 10/15/24	27	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-370	UA	A7	Molybdenum, total	mg/L	12/29/15 - 02/06/24	29	3	CB around T-S line	0.00288	0.1	MCL/HBL	No Exceedance
MW-370	UA	A7R	Molybdenum, total	mg/L	12/29/15 - 04/16/24	30	3	CB around T-S line	0.00347	0.1	MCL/HBL	No Exceedance
MW-370	UA	A7D	Molybdenum, total	mg/L	12/29/15 - 07/18/24	31	3	CB around T-S line	0.00316	0.1	MCL/HBL	No Exceedance
MW-370	UA	A7DR	Molybdenum, total	mg/L	12/29/15 - 10/15/24	32	3	CB around T-S line	0.00277	0.1	MCL/HBL	No Exceedance
MW-370	UA	A7	Radium 226 + Radium 228, total	pCi/L	12/29/15 - 02/06/24	29	0	CI around geomean	0.558	5	MCL/HBL	No Exceedance
MW-370	UA	A7R	Radium 226 + Radium 228, total	pCi/L	12/29/15 - 04/16/24	30	0	CI around geomean	0.570	5	MCL/HBL	No Exceedance
MW-370	UA	A7D	Radium 226 + Radium 228, total	pCi/L	12/29/15 - 07/18/24	31	0	CI around geomean	0.575	5	MCL/HBL	No Exceedance
MW-370	UA	A7DR	Radium 226 + Radium 228, total	pCi/L	12/29/15 - 10/15/24	32	0	CI around geomean	0.576	5	MCL/HBL	No Exceedance
MW-370	UA	A7	Selenium, total	mg/L	12/29/15 - 02/06/24	26	96	Most recent sample	0.00100	0.05	MCL/HBL	No Exceedance
MW-370	UA	A7R	Selenium, total	mg/L	12/29/15 - 04/16/24	27	96	Most recent sample	0.00100	0.05	MCL/HBL	No Exceedance
MW-370	UA	A7D	Selenium, total	mg/L	12/29/15 - 07/18/24	28	96	Most recent sample	0.00100	0.05	MCL/HBL	No Exceedance
MW-370	UA	A7DR	Selenium, total	mg/L	12/29/15 - 10/15/24	29	96	Most recent sample	0.00100	0.05	MCL/HBL	No Exceedance
MW-370	UA	A7	Thallium, total	mg/L	12/29/15 - 02/06/24	24	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance

TABLE 6
DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-370	UA	A7R	Thallium, total	mg/L	12/29/15 - 04/16/24	25	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-370	UA	A7D	Thallium, total	mg/L	12/29/15 - 07/18/24	26	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-370	UA	A7DR	Thallium, total	mg/L	12/29/15 - 10/15/24	27	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-382	UA	A7	Antimony, total	mg/L	12/29/15 - 02/06/24	20	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-382	UA	A7R	Antimony, total	mg/L	12/29/15 - 04/17/24	21	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-382	UA	A7D	Antimony, total	mg/L	12/29/15 - 07/18/24	22	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-382	UA	A7DR	Antimony, total	mg/L	12/29/15 - 10/15/24	23	95	Most recent sample	0.00100	0.006	MCL/HBL	No Exceedance
MW-382	UA	A7	Arsenic, total	mg/L	12/29/15 - 02/06/24	23	21	CI around median	0.00120	0.010	MCL/HBL	No Exceedance
MW-382	UA	A7R	Arsenic, total	mg/L	12/29/15 - 04/17/24	24	20	CI around median	0.00120	0.010	MCL/HBL	No Exceedance
MW-382	UA	A7D	Arsenic, total	mg/L	12/29/15 - 07/18/24	25	20	CI around median	0.00120	0.010	MCL/HBL	No Exceedance
MW-382	UA	A7DR	Arsenic, total	mg/L	12/29/15 - 10/15/24	26	19	CI around median	0.00120	0.010	MCL/HBL	No Exceedance
MW-382	UA	A7	Barium, total	mg/L	12/29/15 - 02/06/24	23	0	CI around mean	0.0179	2.0	MCL/HBL	No Exceedance
MW-382	UA	A7R	Barium, total	mg/L	12/29/15 - 04/17/24	24	0	CI around geomean	0.0176	2.0	MCL/HBL	No Exceedance
MW-382	UA	A7D	Barium, total	mg/L	12/29/15 - 07/18/24	25	0	CI around mean	0.0182	2.0	MCL/HBL	No Exceedance
MW-382	UA	A7DR	Barium, total	mg/L	12/29/15 - 10/15/24	26	0	CI around mean	0.0185	2.0	MCL/HBL	No Exceedance
MW-382	UA	A7	Beryllium, total	mg/L	12/29/15 - 02/06/24	18	94	CI around median	0.00100	0.004	MCL/HBL	No Exceedance
MW-382	UA	A7R	Beryllium, total	mg/L	12/29/15 - 04/17/24	19	94	CI around median	0.00100	0.004	MCL/HBL	No Exceedance
MW-382	UA	A7D	Beryllium, total	mg/L	12/29/15 - 07/18/24	20	95	CI around median	0.00100	0.004	MCL/HBL	No Exceedance
MW-382	UA	A7DR	Beryllium, total	mg/L	12/29/15 - 10/15/24	21	95	CI around median	0.00100	0.004	MCL/HBL	No Exceedance
MW-382	UA	A7	Cadmium, total	mg/L	12/29/15 - 02/06/24	18	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-382	UA	A7R	Cadmium, total	mg/L	12/29/15 - 04/17/24	19	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-382	UA	A7D	Cadmium, total	mg/L	12/29/15 - 07/18/24	20	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-382	UA	A7DR	Cadmium, total	mg/L	12/29/15 - 10/15/24	21	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-382	UA	A7	Chromium, total	mg/L	12/29/15 - 02/06/24	22	9	CB around linear reg	0.00691	0.1	MCL/HBL	No Exceedance
MW-382	UA	A7R	Chromium, total	mg/L	12/29/15 - 04/17/24	23	8	CB around linear reg	0.00661	0.1	MCL/HBL	No Exceedance
MW-382	UA	A7D	Chromium, total	mg/L	12/29/15 - 07/18/24	24	8	CB around linear reg	0.00737	0.1	MCL/HBL	No Exceedance
MW-382	UA	A7DR	Chromium, total	mg/L	12/29/15 - 10/15/24	25	8	CB around linear reg	0.00842	0.1	MCL/HBL	No Exceedance

TABLE 6
DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-382	UA	A7	Cobalt, total	mg/L	12/29/15 - 02/06/24	21	61	CB around T-S line	0.00100	0.006	MCL/HBL	No Exceedance
MW-382	UA	A7R	Cobalt, total	mg/L	12/29/15 - 04/17/24	22	63	CB around T-S line	0.00100	0.006	MCL/HBL	No Exceedance
MW-382	UA	A7D	Cobalt, total	mg/L	12/29/15 - 07/18/24	23	60	CB around T-S line	0.00100	0.006	MCL/HBL	No Exceedance
MW-382	UA	A7DR	Cobalt, total	mg/L	12/29/15 - 10/15/24	24	58	CB around T-S line	0.00100	0.006	MCL/HBL	No Exceedance
MW-382	UA	A7	Fluoride, total	mg/L	12/29/15 - 02/06/24	24	0	CI around median	2.77	4.0	MCL/HBL	No Exceedance
MW-382	UA	A7R	Fluoride, total	mg/L	12/29/15 - 04/17/24	25	0	CI around median	2.77	4.0	MCL/HBL	No Exceedance
MW-382	UA	A7D	Fluoride, total	mg/L	12/29/15 - 07/18/24	26	0	CI around geomean	2.82	4.0	MCL/HBL	No Exceedance
MW-382	UA	A7DR	Fluoride, total	mg/L	12/29/15 - 10/15/24	27	0	CI around mean	2.83	4.0	MCL/HBL	No Exceedance
MW-382	UA	A7	Lead, total	mg/L	12/29/15 - 02/06/24	21	57	CB around T-S line	0.00100	0.015	MCL/HBL	No Exceedance
MW-382	UA	A7R	Lead, total	mg/L	12/29/15 - 04/17/24	22	54	CB around T-S line	0.00100	0.015	MCL/HBL	No Exceedance
MW-382	UA	A7D	Lead, total	mg/L	12/29/15 - 07/18/24	23	52	CB around T-S line	0.00100	0.015	MCL/HBL	No Exceedance
MW-382	UA	A7DR	Lead, total	mg/L	12/29/15 - 10/15/24	24	50	CB around linear reg	0.00242	0.015	MCL/HBL	No Exceedance
MW-382	UA	A7	Lithium, total	mg/L	12/29/15 - 02/06/24	23	0	CI around geomean	0.0577	0.123	Background	No Exceedance
MW-382	UA	A7R	Lithium, total	mg/L	12/29/15 - 04/17/24	24	0	CI around geomean	0.0578	0.123	Background	No Exceedance
MW-382	UA	A7D	Lithium, total	mg/L	12/29/15 - 07/18/24	25	0	CI around geomean	0.0580	0.123	Background	No Exceedance
MW-382	UA	A7DR	Lithium, total	mg/L	12/29/15 - 10/15/24	26	0	CI around geomean	0.0581	0.123	Background	No Exceedance
MW-382	UA	A7	Mercury, total	mg/L	12/29/15 - 02/06/24	18	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-382	UA	A7R	Mercury, total	mg/L	12/29/15 - 04/17/24	19	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-382	UA	A7D	Mercury, total	mg/L	12/29/15 - 07/18/24	20	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-382	UA	A7DR	Mercury, total	mg/L	12/29/15 - 10/15/24	21	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-382	UA	A7	Molybdenum, total	mg/L	12/29/15 - 02/06/24	23	26	CI around geomean	0.00131	0.1	MCL/HBL	No Exceedance
MW-382	UA	A7R	Molybdenum, total	mg/L	12/29/15 - 04/17/24	24	25	CI around geomean	0.00134	0.1	MCL/HBL	No Exceedance
MW-382	UA	A7D	Molybdenum, total	mg/L	12/29/15 - 07/18/24	25	24	CI around geomean	0.00134	0.1	MCL/HBL	No Exceedance
MW-382	UA	A7DR	Molybdenum, total	mg/L	12/29/15 - 10/15/24	26	23	CI around geomean	0.00133	0.1	MCL/HBL	No Exceedance
MW-382	UA	A7	Radium 226 + Radium 228, total	pCi/L	12/29/15 - 02/06/24	23	0	CB around T-S line	0.481	5	MCL/HBL	No Exceedance
MW-382	UA	A7R	Radium 226 + Radium 228, total	pCi/L	12/29/15 - 04/17/24	24	0	CB around T-S line	0.545	5	MCL/HBL	No Exceedance
MW-382	UA	A7D	Radium 226 + Radium 228, total	pCi/L	12/29/15 - 07/18/24	25	0	CB around T-S line	0.674	5	MCL/HBL	No Exceedance

TABLE 6
DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-382	UA	A7DR	Radium 226 + Radium 228, total	pCi/L	12/29/15 - 10/15/24	26	0	CB around T-S line	0.508	5	MCL/HBL	No Exceedance
MW-382	UA	A7	Selenium, total	mg/L	12/29/15 - 02/06/24	20	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-382	UA	A7R	Selenium, total	mg/L	12/29/15 - 04/17/24	21	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-382	UA	A7D	Selenium, total	mg/L	12/29/15 - 07/18/24	22	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-382	UA	A7DR	Selenium, total	mg/L	12/29/15 - 10/15/24	23	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-382	UA	A7	Thallium, total	mg/L	12/29/15 - 02/06/24	18	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-382	UA	A7R	Thallium, total	mg/L	12/29/15 - 04/17/24	19	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-382	UA	A7D	Thallium, total	mg/L	12/29/15 - 07/18/24	20	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-382	UA	A7DR	Thallium, total	mg/L	12/29/15 - 10/15/24	21	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-392	UA	A7	Antimony, total	mg/L	10/27/22 - 02/06/24	11	81	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-392	UA	A7R	Antimony, total	mg/L	10/27/22 - 04/16/24	12	83	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-392	UA	A7D	Antimony, total	mg/L	10/27/22 - 07/17/24	13	84	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-392	UA	A7DR	Antimony, total	mg/L	10/27/22 - 10/15/24	14	78	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-392	UA	A7	Arsenic, total	mg/L	10/27/22 - 02/06/24	11	63	CI around median	0.00100	0.010	MCL/HBL	No Exceedance
MW-392	UA	A7R	Arsenic, total	mg/L	10/27/22 - 04/16/24	12	66	CI around median	0.00100	0.010	MCL/HBL	No Exceedance
MW-392	UA	A7D	Arsenic, total	mg/L	10/27/22 - 07/17/24	13	69	CI around median	0.00100	0.010	MCL/HBL	No Exceedance
MW-392	UA	A7DR	Arsenic, total	mg/L	10/27/22 - 10/15/24	14	71	CI around median	0.00100	0.010	MCL/HBL	No Exceedance
MW-392	UA	A7	Barium, total	mg/L	10/27/22 - 02/06/24	11	0	CI around mean	0.0377	2.0	MCL/HBL	No Exceedance
MW-392	UA	A7R	Barium, total	mg/L	10/27/22 - 04/16/24	12	0	CI around mean	0.0388	2.0	MCL/HBL	No Exceedance
MW-392	UA	A7D	Barium, total	mg/L	10/27/22 - 07/17/24	13	0	CI around mean	0.0385	2.0	MCL/HBL	No Exceedance
MW-392	UA	A7DR	Barium, total	mg/L	10/27/22 - 10/15/24	14	0	CI around mean	0.0383	2.0	MCL/HBL	No Exceedance
MW-392	UA	A7	Beryllium, total	mg/L	10/27/22 - 02/06/24	11	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-392	UA	A7R	Beryllium, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-392	UA	A7D	Beryllium, total	mg/L	10/27/22 - 07/17/24	13	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-392	UA	A7DR	Beryllium, total	mg/L	10/27/22 - 10/15/24	14	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-392	UA	A7	Cadmium, total	mg/L	10/27/22 - 02/06/24	11	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-392	UA	A7R	Cadmium, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance

TABLE 6
DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-392	UA	A7D	Cadmium, total	mg/L	10/27/22 - 07/17/24	13	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-392	UA	A7DR	Cadmium, total	mg/L	10/27/22 - 10/15/24	14	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-392	UA	A7	Chromium, total	mg/L	10/27/22 - 02/06/24	11	54	CI around median	0.00150	0.1	MCL/HBL	No Exceedance
MW-392	UA	A7R	Chromium, total	mg/L	10/27/22 - 04/16/24	12	58	CI around median	0.00150	0.1	MCL/HBL	No Exceedance
MW-392	UA	A7D	Chromium, total	mg/L	10/27/22 - 07/17/24	13	61	CI around median	0.00150	0.1	MCL/HBL	No Exceedance
MW-392	UA	A7DR	Chromium, total	mg/L	10/27/22 - 10/15/24	14	64	CI around median	0.00150	0.1	MCL/HBL	No Exceedance
MW-392	UA	A7	Cobalt, total	mg/L	10/27/22 - 02/06/24	11	90	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-392	UA	A7R	Cobalt, total	mg/L	10/27/22 - 04/16/24	12	91	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-392	UA	A7D	Cobalt, total	mg/L	10/27/22 - 07/17/24	13	92	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-392	UA	A7DR	Cobalt, total	mg/L	10/27/22 - 10/15/24	14	92	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-392	UA	A7	Fluoride, total	mg/L	10/27/22 - 02/06/24	11	0	CB around linear reg	3.96	4.0	MCL/HBL	No Exceedance
MW-392	UA	A7R	Fluoride, total	mg/L	10/27/22 - 04/16/24	12	0	CB around linear reg	4.07	4.0	MCL/HBL	Exceedance Not Confirmed
MW-392	UA	A7D	Fluoride, total	mg/L	10/27/22 - 07/17/24	13	0	CB around linear reg	4.01	4.0	MCL/HBL	Reported
MW-392	UA	A7DR	Fluoride, total	mg/L	10/27/22 - 10/15/24	14	0	CB around linear reg	4.06	4.0	MCL/HBL	Confirmed
MW-392	UA	A7	Lead, total	mg/L	10/27/22 - 02/06/24	11	90	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
MW-392	UA	A7R	Lead, total	mg/L	10/27/22 - 04/16/24	12	91	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
MW-392	UA	A7D	Lead, total	mg/L	10/27/22 - 07/17/24	13	92	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
MW-392	UA	A7DR	Lead, total	mg/L	10/27/22 - 10/15/24	14	92	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
MW-392	UA	A7	Lithium, total	mg/L	10/27/22 - 02/06/24	11	0	CB around linear reg	0.0752	0.123	Background	No Exceedance
MW-392	UA	A7R	Lithium, total	mg/L	10/27/22 - 04/16/24	12	0	CI around mean	0.0613	0.123	Background	No Exceedance
MW-392	UA	A7D	Lithium, total	mg/L	10/27/22 - 07/17/24	13	0	CI around mean	0.0629	0.123	Background	No Exceedance
MW-392	UA	A7DR	Lithium, total	mg/L	10/27/22 - 10/15/24	14	0	CI around mean	0.0643	0.123	Background	No Exceedance
MW-392	UA	A7	Mercury, total	mg/L	10/27/22 - 02/06/24	11	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-392	UA	A7R	Mercury, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-392	UA	A7D	Mercury, total	mg/L	10/27/22 - 07/17/24	13	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-392	UA	A7DR	Mercury, total	mg/L	10/27/22 - 10/15/24	14	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance

TABLE 6
DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-392	UA	A7	Molybdenum, total	mg/L	10/27/22 - 02/06/24	11	72	CI around median	0.00150	0.1	MCL/HBL	No Exceedance
MW-392	UA	A7R	Molybdenum, total	mg/L	10/27/22 - 04/16/24	12	75	CI around median	0.00150	0.1	MCL/HBL	No Exceedance
MW-392	UA	A7D	Molybdenum, total	mg/L	10/27/22 - 07/17/24	13	76	CI around median	0.00150	0.1	MCL/HBL	No Exceedance
MW-392	UA	A7DR	Molybdenum, total	mg/L	10/27/22 - 10/15/24	14	78	CI around median	0.00150	0.1	MCL/HBL	No Exceedance
MW-392	UA	A7	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 02/06/24	11	0	CI around mean	0.372	5	MCL/HBL	No Exceedance
MW-392	UA	A7R	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 04/16/24	12	0	CI around mean	0.422	5	MCL/HBL	No Exceedance
MW-392	UA	A7D	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 07/17/24	13	0	CI around mean	0.411	5	MCL/HBL	No Exceedance
MW-392	UA	A7DR	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 10/15/24	14	0	CI around mean	0.370	5	MCL/HBL	No Exceedance
MW-392	UA	A7	Selenium, total	mg/L	10/27/22 - 02/06/24	11	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-392	UA	A7R	Selenium, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-392	UA	A7D	Selenium, total	mg/L	10/27/22 - 07/17/24	13	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-392	UA	A7DR	Selenium, total	mg/L	10/27/22 - 10/15/24	14	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-392	UA	A7	Thallium, total	mg/L	10/27/22 - 02/06/24	12	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-392	UA	A7R	Thallium, total	mg/L	10/27/22 - 04/16/24	13	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-392	UA	A7D	Thallium, total	mg/L	10/27/22 - 07/17/24	14	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-392	UA	A7DR	Thallium, total	mg/L	10/27/22 - 10/15/24	15	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-393	UA	A7	Antimony, total	mg/L	10/27/22 - 02/06/24	11	81	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-393	UA	A7R	Antimony, total	mg/L	10/27/22 - 04/16/24	12	83	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-393	UA	A7D	Antimony, total	mg/L	10/27/22 - 07/17/24	13	84	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-393	UA	A7DR	Antimony, total	mg/L	10/27/22 - 10/15/24	14	85	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-393	UA	A7	Arsenic, total	mg/L	10/27/22 - 02/06/24	11	72	CI around median	0.00100	0.010	MCL/HBL	No Exceedance
MW-393	UA	A7R	Arsenic, total	mg/L	10/27/22 - 04/16/24	12	75	CI around median	0.00100	0.010	MCL/HBL	No Exceedance
MW-393	UA	A7D	Arsenic, total	mg/L	10/27/22 - 07/17/24	13	76	CI around median	0.00100	0.010	MCL/HBL	No Exceedance
MW-393	UA	A7DR	Arsenic, total	mg/L	10/27/22 - 10/15/24	14	78	CI around median	0.00100	0.010	MCL/HBL	No Exceedance
MW-393	UA	A7	Barium, total	mg/L	10/27/22 - 02/06/24	11	0	CI around geomean	0.0242	2.0	MCL/HBL	No Exceedance
MW-393	UA	A7R	Barium, total	mg/L	10/27/22 - 04/16/24	12	0	CI around mean	0.0248	2.0	MCL/HBL	No Exceedance
MW-393	UA	A7D	Barium, total	mg/L	10/27/22 - 07/17/24	13	0	CI around mean	0.0257	2.0	MCL/HBL	No Exceedance

TABLE 6
DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-393	UA	A7DR	Barium, total	mg/L	10/27/22 - 10/15/24	14	0	CI around mean	0.0267	2.0	MCL/HBL	No Exceedance
MW-393	UA	A7	Beryllium, total	mg/L	10/27/22 - 02/06/24	11	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-393	UA	A7R	Beryllium, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-393	UA	A7D	Beryllium, total	mg/L	10/27/22 - 07/17/24	13	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-393	UA	A7DR	Beryllium, total	mg/L	10/27/22 - 10/15/24	14	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-393	UA	A7	Cadmium, total	mg/L	10/27/22 - 02/06/24	11	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-393	UA	A7R	Cadmium, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-393	UA	A7D	Cadmium, total	mg/L	10/27/22 - 07/17/24	13	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-393	UA	A7DR	Cadmium, total	mg/L	10/27/22 - 10/15/24	14	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-393	UA	A7	Chromium, total	mg/L	10/27/22 - 02/06/24	11	72	CI around median	0.00150	0.1	MCL/HBL	No Exceedance
MW-393	UA	A7R	Chromium, total	mg/L	10/27/22 - 04/16/24	12	75	CI around median	0.00150	0.1	MCL/HBL	No Exceedance
MW-393	UA	A7D	Chromium, total	mg/L	10/27/22 - 07/17/24	13	76	CI around median	0.00150	0.1	MCL/HBL	No Exceedance
MW-393	UA	A7DR	Chromium, total	mg/L	10/27/22 - 10/15/24	14	78	CI around median	0.00150	0.1	MCL/HBL	No Exceedance
MW-393	UA	A7	Cobalt, total	mg/L	10/27/22 - 02/06/24	11	90	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-393	UA	A7R	Cobalt, total	mg/L	10/27/22 - 04/16/24	12	91	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-393	UA	A7D	Cobalt, total	mg/L	10/27/22 - 07/17/24	13	92	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-393	UA	A7DR	Cobalt, total	mg/L	10/27/22 - 10/15/24	14	92	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-393	UA	A7	Fluoride, total	mg/L	10/27/22 - 02/06/24	11	0	CB around linear reg	7.68	4.0	MCL/HBL	Reported
MW-393	UA	A7R	Fluoride, total	mg/L	10/27/22 - 04/16/24	12	0	CB around linear reg	7.95	4.0	MCL/HBL	Confirmed
MW-393	UA	A7D	Fluoride, total	mg/L	10/27/22 - 07/17/24	13	0	CB around linear reg	8.48	4.0	MCL/HBL	Reported
MW-393	UA	A7DR	Fluoride, total	mg/L	10/27/22 - 10/15/24	14	0	CB around linear reg	9.03	4.0	MCL/HBL	Confirmed
MW-393	UA	A7	Lead, total	mg/L	10/27/22 - 02/06/24	11	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
MW-393	UA	A7R	Lead, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
MW-393	UA	A7D	Lead, total	mg/L	10/27/22 - 07/17/24	13	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
MW-393	UA	A7DR	Lead, total	mg/L	10/27/22 - 10/15/24	14	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
MW-393	UA	A7	Lithium, total	mg/L	10/27/22 - 02/06/24	11	0	CI around mean	0.0579	0.123	Background	No Exceedance
MW-393	UA	A7R	Lithium, total	mg/L	10/27/22 - 04/16/24	12	0	CI around mean	0.0594	0.123	Background	No Exceedance

TABLE 6
DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-393	UA	A7D	Lithium, total	mg/L	10/27/22 - 07/17/24	13	0	CI around mean	0.0610	0.123	Background	No Exceedance
MW-393	UA	A7DR	Lithium, total	mg/L	10/27/22 - 10/15/24	14	0	CI around mean	0.0618	0.123	Background	No Exceedance
MW-393	UA	A7	Mercury, total	mg/L	10/27/22 - 02/06/24	11	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-393	UA	A7R	Mercury, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-393	UA	A7D	Mercury, total	mg/L	10/27/22 - 07/17/24	13	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-393	UA	A7DR	Mercury, total	mg/L	10/27/22 - 10/15/24	14	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-393	UA	A7	Molybdenum, total	mg/L	10/27/22 - 02/06/24	11	54	CI around median	0.00150	0.1	MCL/HBL	No Exceedance
MW-393	UA	A7R	Molybdenum, total	mg/L	10/27/22 - 04/16/24	12	58	CI around median	0.00150	0.1	MCL/HBL	No Exceedance
MW-393	UA	A7D	Molybdenum, total	mg/L	10/27/22 - 07/17/24	13	61	CI around median	0.00150	0.1	MCL/HBL	No Exceedance
MW-393	UA	A7DR	Molybdenum, total	mg/L	10/27/22 - 10/15/24	14	64	CI around median	0.00150	0.1	MCL/HBL	No Exceedance
MW-393	UA	A7	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 02/06/24	11	0	CI around mean	0.274	5	MCL/HBL	No Exceedance
MW-393	UA	A7R	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 04/16/24	12	0	CI around mean	0.268	5	MCL/HBL	No Exceedance
MW-393	UA	A7D	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 07/17/24	13	0	CI around mean	0.266	5	MCL/HBL	No Exceedance
MW-393	UA	A7DR	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 10/15/24	14	0	CI around mean	0.241	5	MCL/HBL	No Exceedance
MW-393	UA	A7	Selenium, total	mg/L	10/27/22 - 02/06/24	11	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-393	UA	A7R	Selenium, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-393	UA	A7D	Selenium, total	mg/L	10/27/22 - 07/17/24	13	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-393	UA	A7DR	Selenium, total	mg/L	10/27/22 - 10/15/24	14	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-393	UA	A7	Thallium, total	mg/L	10/27/22 - 02/06/24	12	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-393	UA	A7R	Thallium, total	mg/L	10/27/22 - 04/16/24	13	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-393	UA	A7D	Thallium, total	mg/L	10/27/22 - 07/17/24	14	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-393	UA	A7DR	Thallium, total	mg/L	10/27/22 - 10/15/24	15	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-394	UA	A7	Antimony, total	mg/L	10/27/22 - 02/06/24	11	63	CB around T-S line	-0.00331	0.006	MCL/HBL	No Exceedance
MW-394	UA	A7R	Antimony, total	mg/L	10/27/22 - 04/16/24	12	66	CB around T-S line	-0.00353	0.006	MCL/HBL	No Exceedance
MW-394	UA	A7D	Antimony, total	mg/L	10/27/22 - 07/17/24	13	69	CB around T-S line	-0.00133	0.006	MCL/HBL	No Exceedance
MW-394	UA	A7DR	Antimony, total	mg/L	10/27/22 - 10/15/24	14	71	CB around T-S line	-0.00183	0.006	MCL/HBL	No Exceedance
MW-394	UA	A7	Arsenic, total	mg/L	10/27/22 - 02/06/24	11	45	CI around median	0.00100	0.010	MCL/HBL	No Exceedance

TABLE 6
DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-394	UA	A7R	Arsenic, total	mg/L	10/27/22 - 04/16/24	12	50	CI around median	0.00100	0.010	MCL/HBL	No Exceedance
MW-394	UA	A7D	Arsenic, total	mg/L	10/27/22 - 07/17/24	13	53	CI around median	0.00100	0.010	MCL/HBL	No Exceedance
MW-394	UA	A7DR	Arsenic, total	mg/L	10/27/22 - 10/15/24	14	57	CI around median	0.00100	0.010	MCL/HBL	No Exceedance
MW-394	UA	A7	Barium, total	mg/L	10/27/22 - 02/06/24	11	0	CI around mean	0.0290	2.0	MCL/HBL	No Exceedance
MW-394	UA	A7R	Barium, total	mg/L	10/27/22 - 04/16/24	12	0	CI around mean	0.0290	2.0	MCL/HBL	No Exceedance
MW-394	UA	A7D	Barium, total	mg/L	10/27/22 - 07/17/24	13	0	CI around mean	0.0273	2.0	MCL/HBL	No Exceedance
MW-394	UA	A7DR	Barium, total	mg/L	10/27/22 - 10/15/24	14	0	CI around mean	0.0259	2.0	MCL/HBL	No Exceedance
MW-394	UA	A7	Beryllium, total	mg/L	10/27/22 - 02/06/24	11	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-394	UA	A7R	Beryllium, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-394	UA	A7D	Beryllium, total	mg/L	10/27/22 - 07/17/24	13	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-394	UA	A7DR	Beryllium, total	mg/L	10/27/22 - 10/15/24	14	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-394	UA	A7	Cadmium, total	mg/L	10/27/22 - 02/06/24	11	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-394	UA	A7R	Cadmium, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-394	UA	A7D	Cadmium, total	mg/L	10/27/22 - 07/17/24	13	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-394	UA	A7DR	Cadmium, total	mg/L	10/27/22 - 10/15/24	14	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-394	UA	A7	Chromium, total	mg/L	10/27/22 - 02/06/24	11	63	CI around median	0.00150	0.1	MCL/HBL	No Exceedance
MW-394	UA	A7R	Chromium, total	mg/L	10/27/22 - 04/16/24	12	66	CI around median	0.00150	0.1	MCL/HBL	No Exceedance
MW-394	UA	A7D	Chromium, total	mg/L	10/27/22 - 07/17/24	13	69	CI around median	0.00150	0.1	MCL/HBL	No Exceedance
MW-394	UA	A7DR	Chromium, total	mg/L	10/27/22 - 10/15/24	14	71	CI around median	0.00150	0.1	MCL/HBL	No Exceedance
MW-394	UA	A7	Cobalt, total	mg/L	10/27/22 - 02/06/24	11	72	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-394	UA	A7R	Cobalt, total	mg/L	10/27/22 - 04/16/24	12	75	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-394	UA	A7D	Cobalt, total	mg/L	10/27/22 - 07/17/24	13	76	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-394	UA	A7DR	Cobalt, total	mg/L	10/27/22 - 10/15/24	14	78	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-394	UA	A7	Fluoride, total	mg/L	10/27/22 - 02/06/24	11	0	CI around mean	3.21	4.0	MCL/HBL	No Exceedance
MW-394	UA	A7R	Fluoride, total	mg/L	10/27/22 - 04/16/24	12	0	CI around mean	3.34	4.0	MCL/HBL	No Exceedance
MW-394	UA	A7D	Fluoride, total	mg/L	10/27/22 - 07/17/24	13	0	CI around mean	3.45	4.0	MCL/HBL	No Exceedance
MW-394	UA	A7DR	Fluoride, total	mg/L	10/27/22 - 10/15/24	14	0	CI around mean	3.55	4.0	MCL/HBL	No Exceedance

TABLE 6
DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-394	UA	A7	Lead, total	mg/L	10/27/22 - 02/06/24	11	72	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
MW-394	UA	A7R	Lead, total	mg/L	10/27/22 - 04/16/24	12	75	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
MW-394	UA	A7D	Lead, total	mg/L	10/27/22 - 07/17/24	13	76	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
MW-394	UA	A7DR	Lead, total	mg/L	10/27/22 - 10/15/24	14	78	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
MW-394	UA	A7	Lithium, total	mg/L	10/27/22 - 02/06/24	11	0	CI around mean	0.0508	0.123	Background	No Exceedance
MW-394	UA	A7R	Lithium, total	mg/L	10/27/22 - 04/16/24	12	0	CI around mean	0.0524	0.123	Background	No Exceedance
MW-394	UA	A7D	Lithium, total	mg/L	10/27/22 - 07/17/24	13	0	CI around mean	0.0537	0.123	Background	No Exceedance
MW-394	UA	A7DR	Lithium, total	mg/L	10/27/22 - 10/15/24	14	0	CI around mean	0.0545	0.123	Background	No Exceedance
MW-394	UA	A7	Mercury, total	mg/L	10/27/22 - 02/06/24	11	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-394	UA	A7R	Mercury, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-394	UA	A7D	Mercury, total	mg/L	10/27/22 - 07/17/24	13	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-394	UA	A7DR	Mercury, total	mg/L	10/27/22 - 10/15/24	14	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-394	UA	A7	Molybdenum, total	mg/L	10/27/22 - 02/06/24	11	27	CI around mean	0.00374	0.1	MCL/HBL	No Exceedance
MW-394	UA	A7R	Molybdenum, total	mg/L	10/27/22 - 04/16/24	12	33	CI around mean	0.00332	0.1	MCL/HBL	No Exceedance
MW-394	UA	A7D	Molybdenum, total	mg/L	10/27/22 - 07/17/24	13	38	CI around mean	0.00302	0.1	MCL/HBL	No Exceedance
MW-394	UA	A7DR	Molybdenum, total	mg/L	10/27/22 - 10/15/24	14	42	CB around linear reg	-0.00554	0.1	MCL/HBL	No Exceedance
MW-394	UA	A7	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 02/06/24	11	0	CI around mean	0.406	5	MCL/HBL	No Exceedance
MW-394	UA	A7R	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 04/16/24	12	0	CI around mean	0.437	5	MCL/HBL	No Exceedance
MW-394	UA	A7D	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 07/17/24	13	0	CI around mean	0.371	5	MCL/HBL	No Exceedance
MW-394	UA	A7DR	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 10/15/24	14	0	CI around mean	0.386	5	MCL/HBL	No Exceedance
MW-394	UA	A7	Selenium, total	mg/L	10/27/22 - 02/06/24	11	90	Most recent sample	0.00100	0.05	MCL/HBL	No Exceedance
MW-394	UA	A7R	Selenium, total	mg/L	10/27/22 - 04/16/24	12	91	Most recent sample	0.00100	0.05	MCL/HBL	No Exceedance
MW-394	UA	A7D	Selenium, total	mg/L	10/27/22 - 07/17/24	13	92	Most recent sample	0.00100	0.05	MCL/HBL	No Exceedance
MW-394	UA	A7DR	Selenium, total	mg/L	10/27/22 - 10/15/24	14	92	Most recent sample	0.00100	0.05	MCL/HBL	No Exceedance
MW-394	UA	A7	Thallium, total	mg/L	10/27/22 - 02/06/24	11	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-394	UA	A7R	Thallium, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-394	UA	A7D	Thallium, total	mg/L	10/27/22 - 07/17/24	13	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance

TABLE 6
DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-394	UA	A7DR	Thallium, total	mg/L	10/27/22 - 10/15/24	14	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
OW-256	PMP	A7	Antimony, total	mg/L	03/14/23 - 02/07/24	5	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
OW-256	PMP	A7R	Antimony, total	mg/L	03/14/23 - 04/17/24	6	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
OW-256	PMP	A7D	Antimony, total	mg/L	03/14/23 - 07/17/24	7	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
OW-256	PMP	A7DR	Antimony, total	mg/L	03/14/23 - 10/15/24	8	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
OW-256	PMP	A7	Arsenic, total	mg/L	03/14/23 - 02/07/24	5	20	CI around geomean	0.000865	0.010	MCL/HBL	No Exceedance
OW-256	PMP	A7R	Arsenic, total	mg/L	03/14/23 - 04/17/24	6	33	CI around geomean	0.000850	0.010	MCL/HBL	No Exceedance
OW-256	PMP	A7D	Arsenic, total	mg/L	03/14/23 - 07/17/24	7	28	CI around median	0.00100	0.010	MCL/HBL	No Exceedance
OW-256	PMP	A7DR	Arsenic, total	mg/L	03/14/23 - 10/15/24	8	37	CI around median	0.00100	0.010	MCL/HBL	No Exceedance
OW-256	PMP	A7	Barium, total	mg/L	03/14/23 - 02/07/24	5	0	CI around mean	0.0772	2.0	MCL/HBL	No Exceedance
OW-256	PMP	A7R	Barium, total	mg/L	03/14/23 - 04/17/24	6	0	CI around mean	0.0799	2.0	MCL/HBL	No Exceedance
OW-256	PMP	A7D	Barium, total	mg/L	03/14/23 - 07/17/24	7	0	CI around mean	0.0795	2.0	MCL/HBL	No Exceedance
OW-256	PMP	A7DR	Barium, total	mg/L	03/14/23 - 10/15/24	8	0	CI around mean	0.0791	2.0	MCL/HBL	No Exceedance
OW-256	PMP	A7	Beryllium, total	mg/L	03/14/23 - 02/07/24	5	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
OW-256	PMP	A7R	Beryllium, total	mg/L	03/14/23 - 04/17/24	6	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
OW-256	PMP	A7D	Beryllium, total	mg/L	03/14/23 - 07/17/24	7	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
OW-256	PMP	A7DR	Beryllium, total	mg/L	03/14/23 - 10/15/24	8	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
OW-256	PMP	A7	Cadmium, total	mg/L	03/14/23 - 02/07/24	5	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
OW-256	PMP	A7R	Cadmium, total	mg/L	03/14/23 - 04/17/24	6	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
OW-256	PMP	A7D	Cadmium, total	mg/L	03/14/23 - 07/17/24	7	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
OW-256	PMP	A7DR	Cadmium, total	mg/L	03/14/23 - 10/15/24	8	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
OW-256	PMP	A7	Chromium, total	mg/L	03/14/23 - 02/07/24	5	80	CI around median (Last Sample, n<7)	0.00150	0.1	MCL/HBL	No Exceedance
OW-256	PMP	A7R	Chromium, total	mg/L	03/14/23 - 04/17/24	6	83	CI around median (Last Sample, n<7)	0.00150	0.1	MCL/HBL	No Exceedance
OW-256	PMP	A7D	Chromium, total	mg/L	03/14/23 - 07/17/24	7	85	CI around median	0.00150	0.1	MCL/HBL	No Exceedance
OW-256	PMP	A7DR	Chromium, total	mg/L	03/14/23 - 10/15/24	8	87	CI around median	0.00150	0.1	MCL/HBL	No Exceedance
OW-256	PMP	A7	Cobalt, total	mg/L	03/14/23 - 02/07/24	5	40	CI around mean	0.000795	0.006	MCL/HBL	No Exceedance
OW-256	PMP	A7R	Cobalt, total	mg/L	03/14/23 - 04/17/24	6	50	CI around median (Last Sample, n<7)	0.00100	0.006	MCL/HBL	No Exceedance

TABLE 6
DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
OW-256	PMP	A7D	Cobalt, total	mg/L	03/14/23 - 07/17/24	7	57	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
OW-256	PMP	A7DR	Cobalt, total	mg/L	03/14/23 - 10/15/24	8	62	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
OW-256	PMP	A7	Fluoride, total	mg/L	03/14/23 - 02/07/24	5	0	CI around mean	0.217	4.0	MCL/HBL	No Exceedance
OW-256	PMP	A7R	Fluoride, total	mg/L	03/14/23 - 04/17/24	6	0	CI around mean	0.228	4.0	MCL/HBL	No Exceedance
OW-256	PMP	A7D	Fluoride, total	mg/L	03/14/23 - 07/17/24	7	0	CI around mean	0.233	4.0	MCL/HBL	No Exceedance
OW-256	PMP	A7DR	Fluoride, total	mg/L	03/14/23 - 10/15/24	8	12	CI around mean	0.236	4.0	MCL/HBL	No Exceedance
OW-256	PMP	A7	Lead, total	mg/L	03/14/23 - 02/07/24	5	80	CI around median (Last Sample, n<7)	0.00100	0.015	MCL/HBL	No Exceedance
OW-256	PMP	A7R	Lead, total	mg/L	03/14/23 - 04/17/24	6	83	CI around median (Last Sample, n<7)	0.00100	0.015	MCL/HBL	No Exceedance
OW-256	PMP	A7D	Lead, total	mg/L	03/14/23 - 07/17/24	7	85	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
OW-256	PMP	A7DR	Lead, total	mg/L	03/14/23 - 10/15/24	8	87	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
OW-256	PMP	A7	Lithium, total	mg/L	03/14/23 - 02/07/24	5	20	CI around mean	0.00287	0.123	Background	No Exceedance
OW-256	PMP	A7R	Lithium, total	mg/L	03/14/23 - 04/17/24	6	16	CI around mean	0.00429	0.123	Background	No Exceedance
OW-256	PMP	A7D	Lithium, total	mg/L	03/14/23 - 07/17/24	7	14	CI around mean	0.00374	0.123	Background	No Exceedance
OW-256	PMP	A7DR	Lithium, total	mg/L	03/14/23 - 10/15/24	8	12	CI around mean	0.00449	0.123	Background	No Exceedance
OW-256	PMP	A7	Mercury, total	mg/L	03/14/23 - 02/07/24	5	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
OW-256	PMP	A7R	Mercury, total	mg/L	03/14/23 - 04/17/24	6	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
OW-256	PMP	A7D	Mercury, total	mg/L	03/14/23 - 07/17/24	7	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
OW-256	PMP	A7DR	Mercury, total	mg/L	03/14/23 - 10/15/24	8	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
OW-256	PMP	A7	Molybdenum, total	mg/L	03/14/23 - 02/07/24	5	80	CI around median (Last Sample, n<7)	0.00150	0.1	MCL/HBL	No Exceedance
OW-256	PMP	A7R	Molybdenum, total	mg/L	03/14/23 - 04/17/24	6	83	CI around median (Last Sample, n<7)	0.00150	0.1	MCL/HBL	No Exceedance
OW-256	PMP	A7D	Molybdenum, total	mg/L	03/14/23 - 07/17/24	7	85	CI around median	0.00150	0.1	MCL/HBL	No Exceedance
OW-256	PMP	A7DR	Molybdenum, total	mg/L	03/14/23 - 10/15/24	8	87	CI around median	0.00150	0.1	MCL/HBL	No Exceedance
OW-256	PMP	A7	Radium 226 + Radium 228, total	pCi/L	03/14/23 - 02/07/24	5	0	CI around mean	0.377	5	MCL/HBL	No Exceedance
OW-256	PMP	A7R	Radium 226 + Radium 228, total	pCi/L	03/14/23 - 04/17/24	6	0	CI around geomean	0.536	5	MCL/HBL	No Exceedance
OW-256	PMP	A7D	Radium 226 + Radium 228, total	pCi/L	03/14/23 - 07/17/24	7	0	CI around mean	0.392	5	MCL/HBL	No Exceedance
OW-256	PMP	A7DR	Radium 226 + Radium 228, total	pCi/L	03/14/23 - 10/15/24	8	0	CI around mean	0.383	5	MCL/HBL	No Exceedance
OW-256	PMP	A7	Selenium, total	mg/L	03/14/23 - 02/07/24	5	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance

TABLE 6
DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
OW-256	PMP	A7R	Selenium, total	mg/L	03/14/23 - 04/17/24	6	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
OW-256	PMP	A7D	Selenium, total	mg/L	03/14/23 - 07/17/24	7	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
OW-256	PMP	A7DR	Selenium, total	mg/L	03/14/23 - 10/15/24	8	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
OW-256	PMP	A7	Thallium, total	mg/L	03/14/23 - 02/07/24	5	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
OW-256	PMP	A7R	Thallium, total	mg/L	03/14/23 - 04/17/24	6	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
OW-256	PMP	A7D	Thallium, total	mg/L	03/14/23 - 07/17/24	7	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
OW-256	PMP	A7DR	Thallium, total	mg/L	03/14/23 - 10/15/24	8	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
OW-257	PMP	A7	Antimony, total	mg/L	03/14/23 - 02/06/24	5	60	CI around median (Last Sample, n<7)	0.00140	0.006	MCL/HBL	No Exceedance
OW-257	PMP	A7R	Antimony, total	mg/L	03/14/23 - 04/17/24	6	50	CI around geomean	0.000786	0.006	MCL/HBL	No Exceedance
OW-257	PMP	A7D	Antimony, total	mg/L	03/14/23 - 07/17/24	7	57	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
OW-257	PMP	A7DR	Antimony, total	mg/L	03/14/23 - 10/14/24	8	50	CI around geomean	0.000876	0.006	MCL/HBL	No Exceedance
OW-257	PMP	A7	Arsenic, total	mg/L	03/14/23 - 02/06/24	5	20	CI around geomean	0.000628	0.010	MCL/HBL	No Exceedance
OW-257	PMP	A7R	Arsenic, total	mg/L	03/14/23 - 04/17/24	6	16	CI around geomean	0.000736	0.010	MCL/HBL	No Exceedance
OW-257	PMP	A7D	Arsenic, total	mg/L	03/14/23 - 07/17/24	7	14	CI around geomean	0.000951	0.010	MCL/HBL	No Exceedance
OW-257	PMP	A7DR	Arsenic, total	mg/L	03/14/23 - 10/14/24	8	12	CI around median	0.00160	0.010	MCL/HBL	No Exceedance
OW-257	PMP	A7	Barium, total	mg/L	03/14/23 - 02/06/24	5	0	CI around median (Last Sample, n<7)	0.122	2.0	MCL/HBL	No Exceedance
OW-257	PMP	A7R	Barium, total	mg/L	03/14/23 - 04/17/24	6	0	CI around median (Last Sample, n<7)	0.113	2.0	MCL/HBL	No Exceedance
OW-257	PMP	A7D	Barium, total	mg/L	03/14/23 - 07/17/24	7	0	CI around median	0.0988	2.0	MCL/HBL	No Exceedance
OW-257	PMP	A7DR	Barium, total	mg/L	03/14/23 - 10/14/24	8	0	CI around median	0.0988	2.0	MCL/HBL	No Exceedance
OW-257	PMP	A7	Beryllium, total	mg/L	03/14/23 - 02/06/24	5	80	CI around median (Last Sample, n<7)	0.00100	0.004	MCL/HBL	No Exceedance
OW-257	PMP	A7R	Beryllium, total	mg/L	03/14/23 - 04/17/24	6	83	CI around median (Last Sample, n<7)	0.00100	0.004	MCL/HBL	No Exceedance
OW-257	PMP	A7D	Beryllium, total	mg/L	03/14/23 - 07/17/24	7	85	CI around median	0.000500	0.004	MCL/HBL	No Exceedance
OW-257	PMP	A7DR	Beryllium, total	mg/L	03/14/23 - 10/14/24	8	87	CI around median	0.000500	0.004	MCL/HBL	No Exceedance
OW-257	PMP	A7	Cadmium, total	mg/L	03/14/23 - 02/06/24	5	80	CI around median (Last Sample, n<7)	0.00100	0.005	MCL/HBL	No Exceedance
OW-257	PMP	A7R	Cadmium, total	mg/L	03/14/23 - 04/17/24	6	83	CI around median (Last Sample, n<7)	0.00100	0.005	MCL/HBL	No Exceedance
OW-257	PMP	A7D	Cadmium, total	mg/L	03/14/23 - 07/17/24	7	85	CI around median	0.00100	0.005	MCL/HBL	No Exceedance
OW-257	PMP	A7DR	Cadmium, total	mg/L	03/14/23 - 10/14/24	8	87	CI around median	0.00100	0.005	MCL/HBL	No Exceedance

TABLE 6
DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
OW-257	PMP	A7	Chromium, total	mg/L	03/14/23 - 02/06/24	5	40	CI around geomean	0.000221	0.1	MCL/HBL	No Exceedance
OW-257	PMP	A7R	Chromium, total	mg/L	03/14/23 - 04/17/24	6	50	CI around geomean	0.000362	0.1	MCL/HBL	No Exceedance
OW-257	PMP	A7D	Chromium, total	mg/L	03/14/23 - 07/17/24	7	57	CI around median	0.00150	0.1	MCL/HBL	No Exceedance
OW-257	PMP	A7DR	Chromium, total	mg/L	03/14/23 - 10/14/24	8	62	CI around median	0.00150	0.1	MCL/HBL	No Exceedance
OW-257	PMP	A7	Cobalt, total	mg/L	03/14/23 - 02/06/24	5	20	CI around geomean	0.000279	0.006	MCL/HBL	No Exceedance
OW-257	PMP	A7R	Cobalt, total	mg/L	03/14/23 - 04/17/24	6	33	CI around geomean	0.000375	0.006	MCL/HBL	No Exceedance
OW-257	PMP	A7D	Cobalt, total	mg/L	03/14/23 - 07/17/24	7	28	CI around geomean	0.000595	0.006	MCL/HBL	No Exceedance
OW-257	PMP	A7DR	Cobalt, total	mg/L	03/14/23 - 10/14/24	8	25	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
OW-257	PMP	A7	Fluoride, total	mg/L	03/14/23 - 02/06/24	5	0	CI around mean	0.353	4.0	MCL/HBL	No Exceedance
OW-257	PMP	A7R	Fluoride, total	mg/L	03/14/23 - 04/17/24	6	0	CI around mean	0.366	4.0	MCL/HBL	No Exceedance
OW-257	PMP	A7D	Fluoride, total	mg/L	03/14/23 - 07/17/24	7	0	CI around mean	0.377	4.0	MCL/HBL	No Exceedance
OW-257	PMP	A7DR	Fluoride, total	mg/L	03/14/23 - 10/14/24	8	12	CI around mean	0.325	4.0	MCL/HBL	No Exceedance
OW-257	PMP	A7	Lead, total	mg/L	03/14/23 - 02/06/24	5	40	CI around geomean	0.000131	0.015	MCL/HBL	No Exceedance
OW-257	PMP	A7R	Lead, total	mg/L	03/14/23 - 04/17/24	6	50	CI around geomean	0.000218	0.015	MCL/HBL	No Exceedance
OW-257	PMP	A7D	Lead, total	mg/L	03/14/23 - 07/17/24	7	57	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
OW-257	PMP	A7DR	Lead, total	mg/L	03/14/23 - 10/14/24	8	62	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
OW-257	PMP	A7	Lithium, total	mg/L	03/14/23 - 02/06/24	5	0	CI around median (Last Sample, n<7)	0.0369	0.123	Background	No Exceedance
OW-257	PMP	A7R	Lithium, total	mg/L	03/14/23 - 04/17/24	6	0	CI around median (Last Sample, n<7)	0.0299	0.123	Background	No Exceedance
OW-257	PMP	A7D	Lithium, total	mg/L	03/14/23 - 07/17/24	7	0	CI around median	0.0268	0.123	Background	No Exceedance
OW-257	PMP	A7DR	Lithium, total	mg/L	03/14/23 - 10/14/24	8	0	CI around median	0.0268	0.123	Background	No Exceedance
OW-257	PMP	A7	Mercury, total	mg/L	03/14/23 - 02/06/24	5	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
OW-257	PMP	A7R	Mercury, total	mg/L	03/14/23 - 04/17/24	6	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
OW-257	PMP	A7D	Mercury, total	mg/L	03/14/23 - 07/17/24	7	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
OW-257	PMP	A7DR	Mercury, total	mg/L	03/14/23 - 10/14/24	8	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
OW-257	PMP	A7	Molybdenum, total	mg/L	03/14/23 - 02/06/24	5	40	CI around mean	0.00239	0.1	MCL/HBL	No Exceedance
OW-257	PMP	A7R	Molybdenum, total	mg/L	03/14/23 - 04/17/24	6	33	CI around mean	0.00236	0.1	MCL/HBL	No Exceedance
OW-257	PMP	A7D	Molybdenum, total	mg/L	03/14/23 - 07/17/24	7	28	CI around geomean	0.00245	0.1	MCL/HBL	No Exceedance

TABLE 6
DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
OW-257	PMP	A7DR	Molybdenum, total	mg/L	03/14/23 - 10/14/24	8	25	CI around median	0.00260	0.1	MCL/HBL	No Exceedance
OW-257	PMP	A7	Radium 226 + Radium 228, total	pCi/L	03/14/23 - 02/06/24	5	0	CI around geomean	0.120	5	MCL/HBL	No Exceedance
OW-257	PMP	A7R	Radium 226 + Radium 228, total	pCi/L	03/14/23 - 04/17/24	6	0	CI around geomean	0.225	5	MCL/HBL	No Exceedance
OW-257	PMP	A7D	Radium 226 + Radium 228, total	pCi/L	03/14/23 - 07/17/24	7	0	CI around geomean	0.311	5	MCL/HBL	No Exceedance
OW-257	PMP	A7DR	Radium 226 + Radium 228, total	pCi/L	03/14/23 - 10/14/24	8	0	CI around geomean	0.383	5	MCL/HBL	No Exceedance
OW-257	PMP	A7	Selenium, total	mg/L	03/14/23 - 02/06/24	5	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
OW-257	PMP	A7R	Selenium, total	mg/L	03/14/23 - 04/17/24	6	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
OW-257	PMP	A7D	Selenium, total	mg/L	03/14/23 - 07/17/24	7	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
OW-257	PMP	A7DR	Selenium, total	mg/L	03/14/23 - 10/14/24	8	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
OW-257	PMP	A7	Thallium, total	mg/L	03/14/23 - 02/06/24	5	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
OW-257	PMP	A7R	Thallium, total	mg/L	03/14/23 - 04/17/24	6	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
OW-257	PMP	A7D	Thallium, total	mg/L	03/14/23 - 07/17/24	7	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
OW-257	PMP	A7DR	Thallium, total	mg/L	03/14/23 - 10/14/24	8	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
PZ-170	PMP	A7	Antimony, total	mg/L	03/14/23 - 02/06/24	4	50	CI around mean	-0.00228	0.006	MCL/HBL	No Exceedance
PZ-170	PMP	A7R	Antimony, total	mg/L	03/14/23 - 04/17/24	5	60	CI around median (Last Sample, n<7)	0.00100	0.006	MCL/HBL	No Exceedance
PZ-170	PMP	A7D	Antimony, total	mg/L	03/14/23 - 07/17/24	6	66	CI around median (Last Sample, n<7)	0.00100	0.006	MCL/HBL	No Exceedance
PZ-170	PMP	A7DR	Antimony, total	mg/L	03/14/23 - 10/14/24	7	71	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
PZ-170	PMP	A7	Arsenic, total	mg/L	03/14/23 - 02/06/24	4	50	CI around geomean	0.000904	0.010	MCL/HBL	No Exceedance
PZ-170	PMP	A7R	Arsenic, total	mg/L	03/14/23 - 04/17/24	5	40	CI around geomean	0.000887	0.010	MCL/HBL	No Exceedance
PZ-170	PMP	A7D	Arsenic, total	mg/L	03/14/23 - 07/17/24	6	33	CI around median (Last Sample, n<7)	0.00110	0.010	MCL/HBL	No Exceedance
PZ-170	PMP	A7DR	Arsenic, total	mg/L	03/14/23 - 10/14/24	7	42	CI around median	0.00100	0.010	MCL/HBL	No Exceedance
PZ-170	PMP	A7	Barium, total	mg/L	03/14/23 - 02/06/24	4	0	CI around mean	0.0189	2.0	MCL/HBL	No Exceedance
PZ-170	PMP	A7R	Barium, total	mg/L	03/14/23 - 04/17/24	5	0	CI around mean	0.0424	2.0	MCL/HBL	No Exceedance
PZ-170	PMP	A7D	Barium, total	mg/L	03/14/23 - 07/17/24	6	0	CI around mean	0.0527	2.0	MCL/HBL	No Exceedance
PZ-170	PMP	A7DR	Barium, total	mg/L	03/14/23 - 10/14/24	7	0	CI around mean	0.0601	2.0	MCL/HBL	No Exceedance
PZ-170	PMP	A7	Beryllium, total	mg/L	03/14/23 - 02/06/24	4	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
PZ-170	PMP	A7R	Beryllium, total	mg/L	03/14/23 - 04/17/24	5	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance

TABLE 6
DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
PZ-170	PMP	A7D	Beryllium, total	mg/L	03/14/23 - 07/17/24	6	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
PZ-170	PMP	A7DR	Beryllium, total	mg/L	03/14/23 - 10/14/24	7	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
PZ-170	PMP	A7	Cadmium, total	mg/L	03/14/23 - 02/06/24	4	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
PZ-170	PMP	A7R	Cadmium, total	mg/L	03/14/23 - 04/17/24	5	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
PZ-170	PMP	A7D	Cadmium, total	mg/L	03/14/23 - 07/17/24	6	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
PZ-170	PMP	A7DR	Cadmium, total	mg/L	03/14/23 - 10/14/24	7	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
PZ-170	PMP	A7	Chromium, total	mg/L	03/14/23 - 02/06/24	4	50	CI around mean	0.000984	0.1	MCL/HBL	No Exceedance
PZ-170	PMP	A7R	Chromium, total	mg/L	03/14/23 - 04/17/24	5	60	CI around median (Last Sample, n<7)	0.00150	0.1	MCL/HBL	No Exceedance
PZ-170	PMP	A7D	Chromium, total	mg/L	03/14/23 - 07/17/24	6	66	CI around median (Last Sample, n<7)	0.00150	0.1	MCL/HBL	No Exceedance
PZ-170	PMP	A7DR	Chromium, total	mg/L	03/14/23 - 10/14/24	7	71	CI around median	0.00150	0.1	MCL/HBL	No Exceedance
PZ-170	PMP	A7	Cobalt, total	mg/L	03/14/23 - 02/06/24	4	0	CI around mean	-0.000222	0.006	MCL/HBL	No Exceedance
PZ-170	PMP	A7R	Cobalt, total	mg/L	03/14/23 - 04/17/24	5	0	CI around mean	0.000720	0.006	MCL/HBL	No Exceedance
PZ-170	PMP	A7D	Cobalt, total	mg/L	03/14/23 - 07/17/24	6	0	CI around mean	0.00138	0.006	MCL/HBL	No Exceedance
PZ-170	PMP	A7DR	Cobalt, total	mg/L	03/14/23 - 10/14/24	7	14	CI around mean	0.000890	0.006	MCL/HBL	No Exceedance
PZ-170	PMP	A7	Fluoride, total	mg/L	03/14/23 - 02/06/24	4	0	CI around mean	0.166	4.0	MCL/HBL	No Exceedance
PZ-170	PMP	A7R	Fluoride, total	mg/L	03/14/23 - 04/17/24	5	0	CI around mean	0.176	4.0	MCL/HBL	No Exceedance
PZ-170	PMP	A7D	Fluoride, total	mg/L	03/14/23 - 07/17/24	6	0	CI around mean	0.181	4.0	MCL/HBL	No Exceedance
PZ-170	PMP	A7DR	Fluoride, total	mg/L	03/14/23 - 10/14/24	7	14	CI around mean	0.182	4.0	MCL/HBL	No Exceedance
PZ-170	PMP	A7	Lead, total	mg/L	03/14/23 - 02/06/24	4	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
PZ-170	PMP	A7R	Lead, total	mg/L	03/14/23 - 04/17/24	5	80	CI around median (Last Sample, n<7)	0.00200	0.015	MCL/HBL	No Exceedance
PZ-170	PMP	A7D	Lead, total	mg/L	03/14/23 - 07/17/24	6	83	CI around median (Last Sample, n<7)	0.00100	0.015	MCL/HBL	No Exceedance
PZ-170	PMP	A7DR	Lead, total	mg/L	03/14/23 - 10/14/24	7	85	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
PZ-170	PMP	A7	Lithium, total	mg/L	03/14/23 - 02/06/24	4	0	CI around mean	0.0189	0.123	Background	No Exceedance
PZ-170	PMP	A7R	Lithium, total	mg/L	03/14/23 - 04/17/24	5	0	CI around mean	0.0246	0.123	Background	No Exceedance
PZ-170	PMP	A7D	Lithium, total	mg/L	03/14/23 - 07/17/24	6	0	CI around mean	0.0263	0.123	Background	No Exceedance
PZ-170	PMP	A7DR	Lithium, total	mg/L	03/14/23 - 10/14/24	7	0	CI around mean	0.0281	0.123	Background	No Exceedance
PZ-170	PMP	A7	Mercury, total	mg/L	03/14/23 - 02/06/24	4	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance

TABLE 6
DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
PZ-170	PMP	A7R	Mercury, total	mg/L	03/14/23 - 04/17/24	5	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
PZ-170	PMP	A7D	Mercury, total	mg/L	03/14/23 - 07/17/24	6	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
PZ-170	PMP	A7DR	Mercury, total	mg/L	03/14/23 - 10/14/24	7	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
PZ-170	PMP	A7	Molybdenum, total	mg/L	03/14/23 - 02/06/24	4	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
PZ-170	PMP	A7R	Molybdenum, total	mg/L	03/14/23 - 04/17/24	5	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
PZ-170	PMP	A7D	Molybdenum, total	mg/L	03/14/23 - 07/17/24	6	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
PZ-170	PMP	A7DR	Molybdenum, total	mg/L	03/14/23 - 10/14/24	7	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
PZ-170	PMP	A7	Radium 226 + Radium 228, total	pCi/L	03/14/23 - 02/06/24	5	0	CI around mean	0.0473	5	MCL/HBL	No Exceedance
PZ-170	PMP	A7R	Radium 226 + Radium 228, total	pCi/L	03/14/23 - 04/17/24	6	0	CI around mean	0.106	5	MCL/HBL	No Exceedance
PZ-170	PMP	A7D	Radium 226 + Radium 228, total	pCi/L	03/14/23 - 07/17/24	7	0	CI around mean	0.115	5	MCL/HBL	No Exceedance
PZ-170	PMP	A7DR	Radium 226 + Radium 228, total	pCi/L	03/14/23 - 10/14/24	8	0	CI around mean	0.198	5	MCL/HBL	No Exceedance
PZ-170	PMP	A7	Selenium, total	mg/L	03/14/23 - 02/06/24	4	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
PZ-170	PMP	A7R	Selenium, total	mg/L	03/14/23 - 04/17/24	5	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
PZ-170	PMP	A7D	Selenium, total	mg/L	03/14/23 - 07/17/24	6	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
PZ-170	PMP	A7DR	Selenium, total	mg/L	03/14/23 - 10/14/24	7	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
PZ-170	PMP	A7	Thallium, total	mg/L	03/14/23 - 02/06/24	4	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
PZ-170	PMP	A7R	Thallium, total	mg/L	03/14/23 - 04/17/24	5	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
PZ-170	PMP	A7D	Thallium, total	mg/L	03/14/23 - 07/17/24	6	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
PZ-170	PMP	A7DR	Thallium, total	mg/L	03/14/23 - 10/14/24	7	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
PZ-182	PMP	A7	Antimony, total	mg/L	03/14/23 - 02/06/24	5	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
PZ-182	PMP	A7R	Antimony, total	mg/L	03/14/23 - 04/17/24	6	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
PZ-182	PMP	A7D	Antimony, total	mg/L	03/14/23 - 07/17/24	7	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
PZ-182	PMP	A7DR	Antimony, total	mg/L	03/14/23 - 10/15/24	8	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
PZ-182	PMP	A7	Arsenic, total	mg/L	03/14/23 - 02/06/24	5	80	CI around median (Last Sample, n<7)	0.00100	0.010	MCL/HBL	No Exceedance
PZ-182	PMP	A7R	Arsenic, total	mg/L	03/14/23 - 04/17/24	6	83	CI around median (Last Sample, n<7)	0.00100	0.010	MCL/HBL	No Exceedance
PZ-182	PMP	A7D	Arsenic, total	mg/L	03/14/23 - 07/17/24	7	85	CI around median	0.00100	0.010	MCL/HBL	No Exceedance
PZ-182	PMP	A7DR	Arsenic, total	mg/L	03/14/23 - 10/15/24	8	87	CI around median	0.00100	0.010	MCL/HBL	No Exceedance

TABLE 6
DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
PZ-182	PMP	A7	Barium, total	mg/L	03/14/23 - 02/06/24	5	0	CI around mean	0.0533	2.0	MCL/HBL	No Exceedance
PZ-182	PMP	A7R	Barium, total	mg/L	03/14/23 - 04/17/24	6	0	CI around mean	0.0570	2.0	MCL/HBL	No Exceedance
PZ-182	PMP	A7D	Barium, total	mg/L	03/14/23 - 07/17/24	7	0	CI around mean	0.0554	2.0	MCL/HBL	No Exceedance
PZ-182	PMP	A7DR	Barium, total	mg/L	03/14/23 - 10/15/24	8	0	CI around mean	0.0556	2.0	MCL/HBL	No Exceedance
PZ-182	PMP	A7	Beryllium, total	mg/L	03/14/23 - 02/06/24	5	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
PZ-182	PMP	A7R	Beryllium, total	mg/L	03/14/23 - 04/17/24	6	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
PZ-182	PMP	A7D	Beryllium, total	mg/L	03/14/23 - 07/17/24	7	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
PZ-182	PMP	A7DR	Beryllium, total	mg/L	03/14/23 - 10/15/24	8	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
PZ-182	PMP	A7	Cadmium, total	mg/L	03/14/23 - 02/06/24	5	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
PZ-182	PMP	A7R	Cadmium, total	mg/L	03/14/23 - 04/17/24	6	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
PZ-182	PMP	A7D	Cadmium, total	mg/L	03/14/23 - 07/17/24	7	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
PZ-182	PMP	A7DR	Cadmium, total	mg/L	03/14/23 - 10/15/24	8	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
PZ-182	PMP	A7	Chromium, total	mg/L	03/14/23 - 02/06/24	5	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
PZ-182	PMP	A7R	Chromium, total	mg/L	03/14/23 - 04/17/24	6	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
PZ-182	PMP	A7D	Chromium, total	mg/L	03/14/23 - 07/17/24	7	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
PZ-182	PMP	A7DR	Chromium, total	mg/L	03/14/23 - 10/15/24	8	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
PZ-182	PMP	A7	Cobalt, total	mg/L	03/14/23 - 02/06/24	5	80	Most recent sample	0.00100	0.006	MCL/HBL	No Exceedance
PZ-182	PMP	A7R	Cobalt, total	mg/L	03/14/23 - 04/17/24	6	83	Most recent sample	0.00100	0.006	MCL/HBL	No Exceedance
PZ-182	PMP	A7D	Cobalt, total	mg/L	03/14/23 - 07/17/24	7	85	Most recent sample	0.00100	0.006	MCL/HBL	No Exceedance
PZ-182	PMP	A7DR	Cobalt, total	mg/L	03/14/23 - 10/15/24	8	87	Most recent sample	0.00100	0.006	MCL/HBL	No Exceedance
PZ-182	PMP	A7	Fluoride, total	mg/L	03/14/23 - 02/06/24	5	0	CI around mean	0.146	4.0	MCL/HBL	No Exceedance
PZ-182	PMP	A7R	Fluoride, total	mg/L	03/14/23 - 04/17/24	6	0	CI around mean	0.153	4.0	MCL/HBL	No Exceedance
PZ-182	PMP	A7D	Fluoride, total	mg/L	03/14/23 - 07/17/24	7	0	CI around mean	0.148	4.0	MCL/HBL	No Exceedance
PZ-182	PMP	A7DR	Fluoride, total	mg/L	03/14/23 - 10/15/24	8	12	CI around mean	0.152	4.0	MCL/HBL	No Exceedance
PZ-182	PMP	A7	Lead, total	mg/L	03/14/23 - 02/06/24	5	80	CI around median (Last Sample, n<7)	0.00100	0.015	MCL/HBL	No Exceedance
PZ-182	PMP	A7R	Lead, total	mg/L	03/14/23 - 04/17/24	6	83	CI around median (Last Sample, n<7)	0.00100	0.015	MCL/HBL	No Exceedance
PZ-182	PMP	A7D	Lead, total	mg/L	03/14/23 - 07/17/24	7	85	CI around median	0.00100	0.015	MCL/HBL	No Exceedance

TABLE 6
DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
PZ-182	PMP	A7DR	Lead, total	mg/L	03/14/23 - 10/15/24	8	87	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
PZ-182	PMP	A7	Lithium, total	mg/L	03/14/23 - 02/06/24	5	0	CI around mean	0.00591	0.123	Background	No Exceedance
PZ-182	PMP	A7R	Lithium, total	mg/L	03/14/23 - 04/17/24	6	0	CI around mean	0.00834	0.123	Background	No Exceedance
PZ-182	PMP	A7D	Lithium, total	mg/L	03/14/23 - 07/17/24	7	0	CI around mean	0.00978	0.123	Background	No Exceedance
PZ-182	PMP	A7DR	Lithium, total	mg/L	03/14/23 - 10/15/24	8	0	CI around mean	0.0107	0.123	Background	No Exceedance
PZ-182	PMP	A7	Mercury, total	mg/L	03/14/23 - 02/06/24	5	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
PZ-182	PMP	A7R	Mercury, total	mg/L	03/14/23 - 04/17/24	6	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
PZ-182	PMP	A7D	Mercury, total	mg/L	03/14/23 - 07/17/24	7	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
PZ-182	PMP	A7DR	Mercury, total	mg/L	03/14/23 - 10/15/24	8	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
PZ-182	PMP	A7	Molybdenum, total	mg/L	03/14/23 - 02/06/24	5	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
PZ-182	PMP	A7R	Molybdenum, total	mg/L	03/14/23 - 04/17/24	6	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
PZ-182	PMP	A7D	Molybdenum, total	mg/L	03/14/23 - 07/17/24	7	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
PZ-182	PMP	A7DR	Molybdenum, total	mg/L	03/14/23 - 10/15/24	8	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
PZ-182	PMP	A7	Radium 226 + Radium 228, total	pCi/L	03/14/23 - 02/06/24	5	0	CI around mean	-0.124	5	MCL/HBL	No Exceedance
PZ-182	PMP	A7R	Radium 226 + Radium 228, total	pCi/L	03/14/23 - 04/17/24	6	0	CI around mean	0.166	5	MCL/HBL	No Exceedance
PZ-182	PMP	A7D	Radium 226 + Radium 228, total	pCi/L	03/14/23 - 07/17/24	7	0	CI around mean	0.334	5	MCL/HBL	No Exceedance
PZ-182	PMP	A7DR	Radium 226 + Radium 228, total	pCi/L	03/14/23 - 10/15/24	8	0	CI around mean	0.327	5	MCL/HBL	No Exceedance
PZ-182	PMP	A7	Selenium, total	mg/L	03/14/23 - 02/06/24	5	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
PZ-182	PMP	A7R	Selenium, total	mg/L	03/14/23 - 04/17/24	6	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
PZ-182	PMP	A7D	Selenium, total	mg/L	03/14/23 - 07/17/24	7	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
PZ-182	PMP	A7DR	Selenium, total	mg/L	03/14/23 - 10/15/24	8	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
PZ-182	PMP	A7	Thallium, total	mg/L	03/14/23 - 02/06/24	5	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
PZ-182	PMP	A7R	Thallium, total	mg/L	03/14/23 - 04/17/24	6	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
PZ-182	PMP	A7D	Thallium, total	mg/L	03/14/23 - 07/17/24	7	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
PZ-182	PMP	A7DR	Thallium, total	mg/L	03/14/23 - 10/15/24	8	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance

TABLE 6
DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Notes:
Event IDs:
- A7 = Quarter 1, 2024 Assessment Monitoring sampling event
- A7R = Quarter 2, 2024 Assessment Monitoring resampling event
- A7D = Quarter 3, 2024 Assessment Monitoring sampling event
- A7DR = Quarter 4, 2024 Assessment Monitoring resampling event

HSU = hydrostratigraphic unit:
- PMP = Potential Migration Pathway
- UA = Uppermost Aquifer
- UU = Upper Unit

ID = identification
ND = non-detect
mg/L = milligrams per liter
pCi/L = picocuries per liter
Statistically Significant Level (SSL) Type:
- No Exceedance: No exceedance of the GWPS.
- Exceedance Not Confirmed: An exceedance was determined in the parent event, a resample was collected, and the resample did not confirm the exceedance; or an exceedance was not determined in the parent event but a subsequent sample collected exhibited a concentration higher than background.
- Reported: An exceedance in the parent event was observed and reported.
- Confirmed: A resample confirmed an observed exceedance in the parent event.

GWPS = Groundwater Protection Standard
GWPS Source:
- Background = background concentration
- MCL/HBL = maximum contaminant level/health-based level

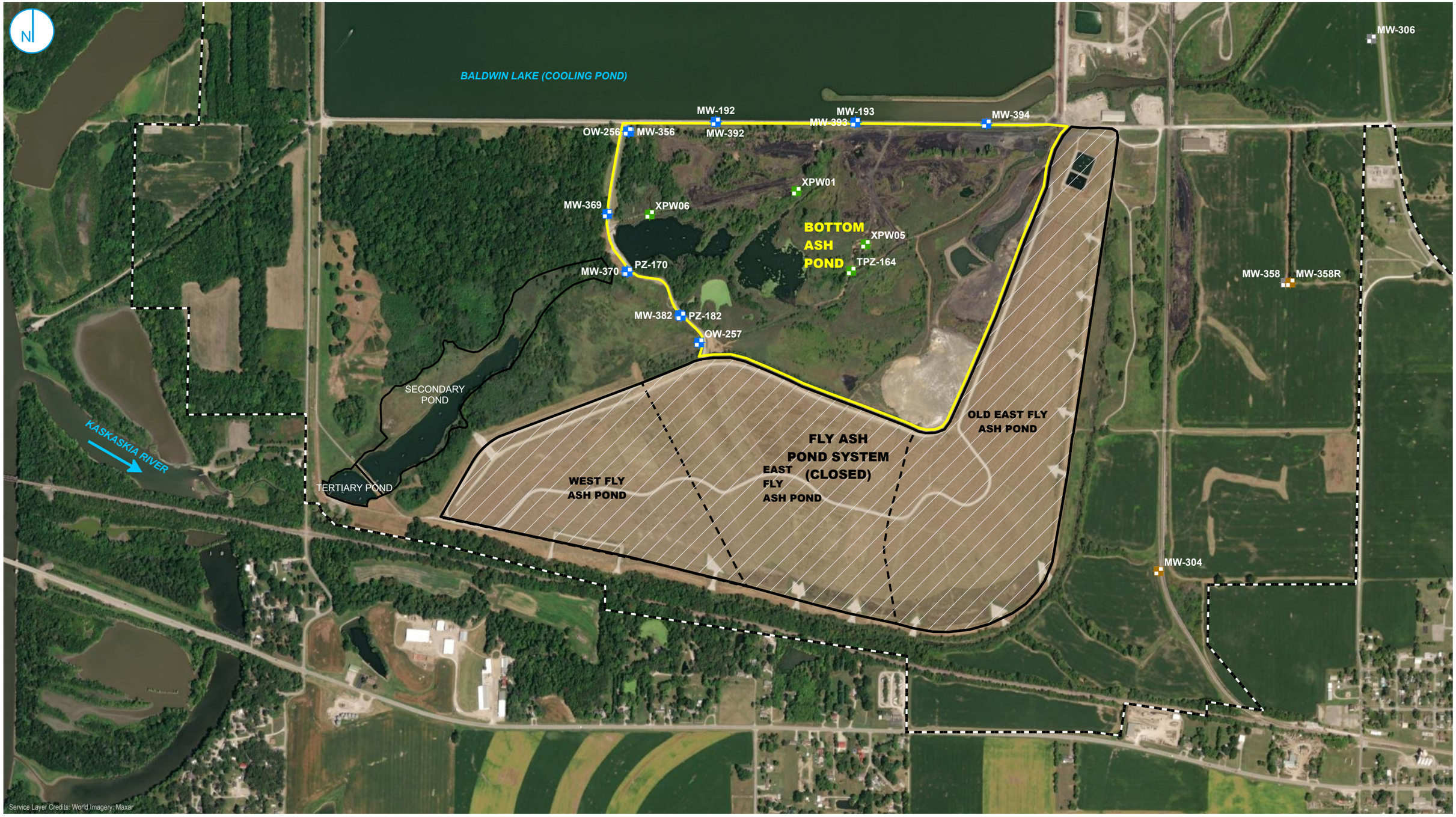
Sample Count = number of samples from Sampled Date Range used to calculate the Statistical Result
Statistical Calculation = method used to calculate the statistical result:
- All ND - Last = All results were below the reporting limit, and the last determined reporting limit is shown.
- CB around linear reg = Confidence band around linear regression
- CB around T-S line = Confidence band around Thiel-Sen line
- CI around geomean = Confidence interval around the geometric mean
- CI around mean = Confidence interval around the mean
- CI around median (Last Sample, n<7) = Data characterization in accordance with the Statistical Analysis Plan indicated that a confidence interval around the median was the most appropriate statistic. However, fewer than seven samples (the minimum required to calculated a CI around the median) were available. Due to insufficient sample size, the result for the most recently collected sample was used.
- CI around median = Confidence interval around the median
- Most recent sample = Result for the most recently collected sample used due to insufficient data.

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

Generated 2024-12-17 12:12 by banoffra

FIGURES

Y:\Mapping\Projects\22\22285\MXD\845_AnnualGWM\2024\BALLAGWR_2024.aprx\Figure 1. 601 Monitoring Well Location Map



PROJECT: 169000XXXX | DATED: 1/7/2025 | DESIGNER: GALARNMC

- COMPLIANCE MONITORING WELL
- BACKGROUND MONITORING WELL
- PORE WATER WELL
- CLOSED MONITORING WELL
- REGULATED UNIT (SUBJECT UNIT)
- FLY ASH POND SYSTEM (CLOSED)
- SITE FEATURE
- CAPPED AREA
- PROPERTY BOUNDARY

0 400 800 Feet

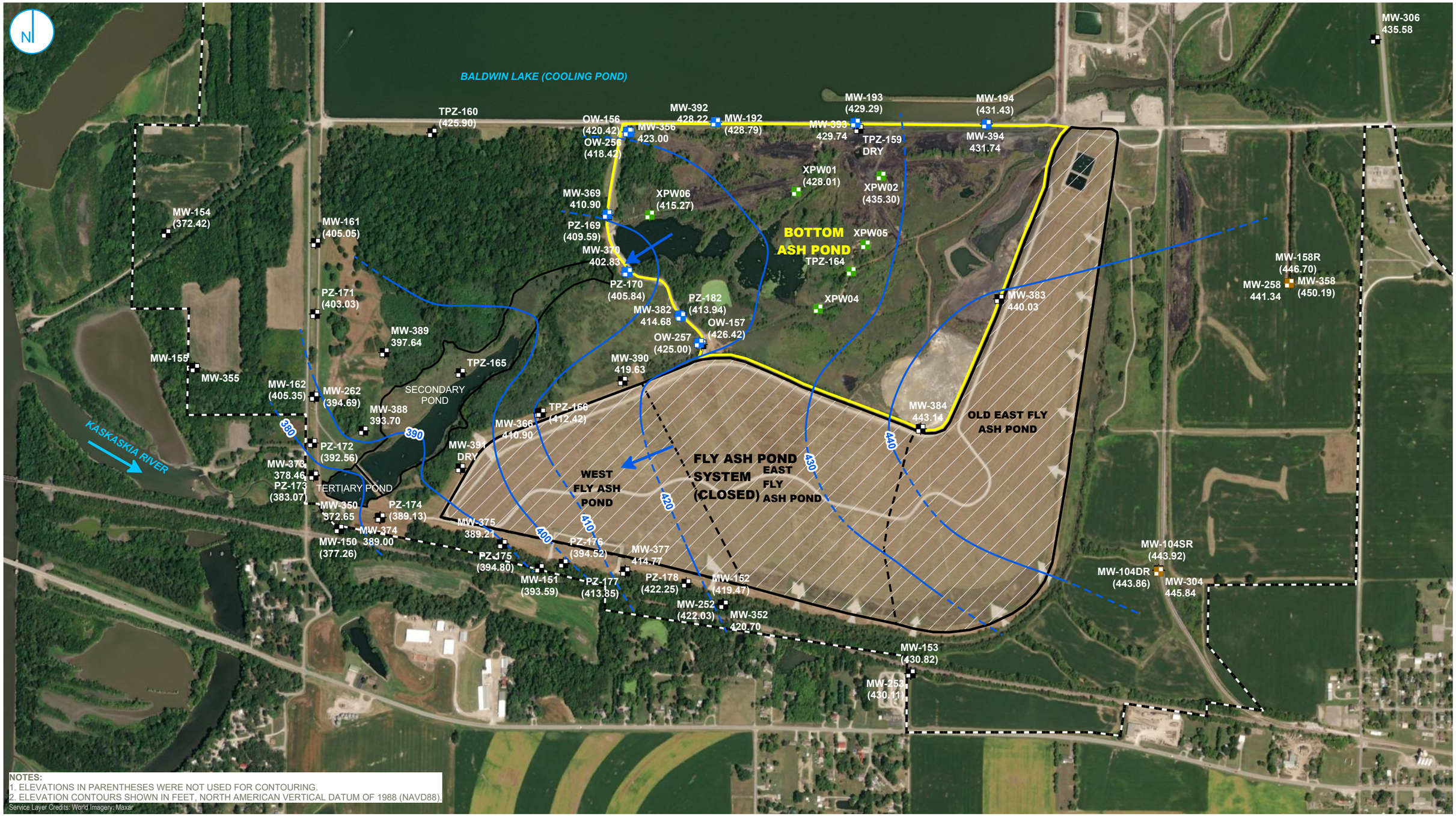
MONITORING WELL LOCATION MAP

2024 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
BOTTOM ASH POND
BALDWIN POWER PLANT
BALDWIN, ILLINOIS

FIGURE 1

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.

RAMBOLL



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

Service Layer Credits: World Imagery: Maxar

- COMPLIANCE MONITORING WELL
- BACKGROUND MONITORING WELL
- MONITORING WELL
- PORE WATER WELL
- GROUNDWATER ELEVATION CONTOUR (10-FT CONTOUR INTERVAL, NAVD88)
- INFERRED GROUNDWATER ELEVATION CONTOUR
- GROUNDWATER FLOW DIRECTION
- REGULATED UNIT (SUBJECT UNIT)
- FLY ASH POND SYSTEM (CLOSED)
- SITE FEATURE
- CAPPED AREA
- PROPERTY BOUNDARY

0 400 800 Feet

POTENTIOMETRIC SURFACE MAP FEBRUARY 5, 2024

2024 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
BOTTOM ASH POND
BALDWIN POWER PLANT
BALDWIN, ILLINOIS

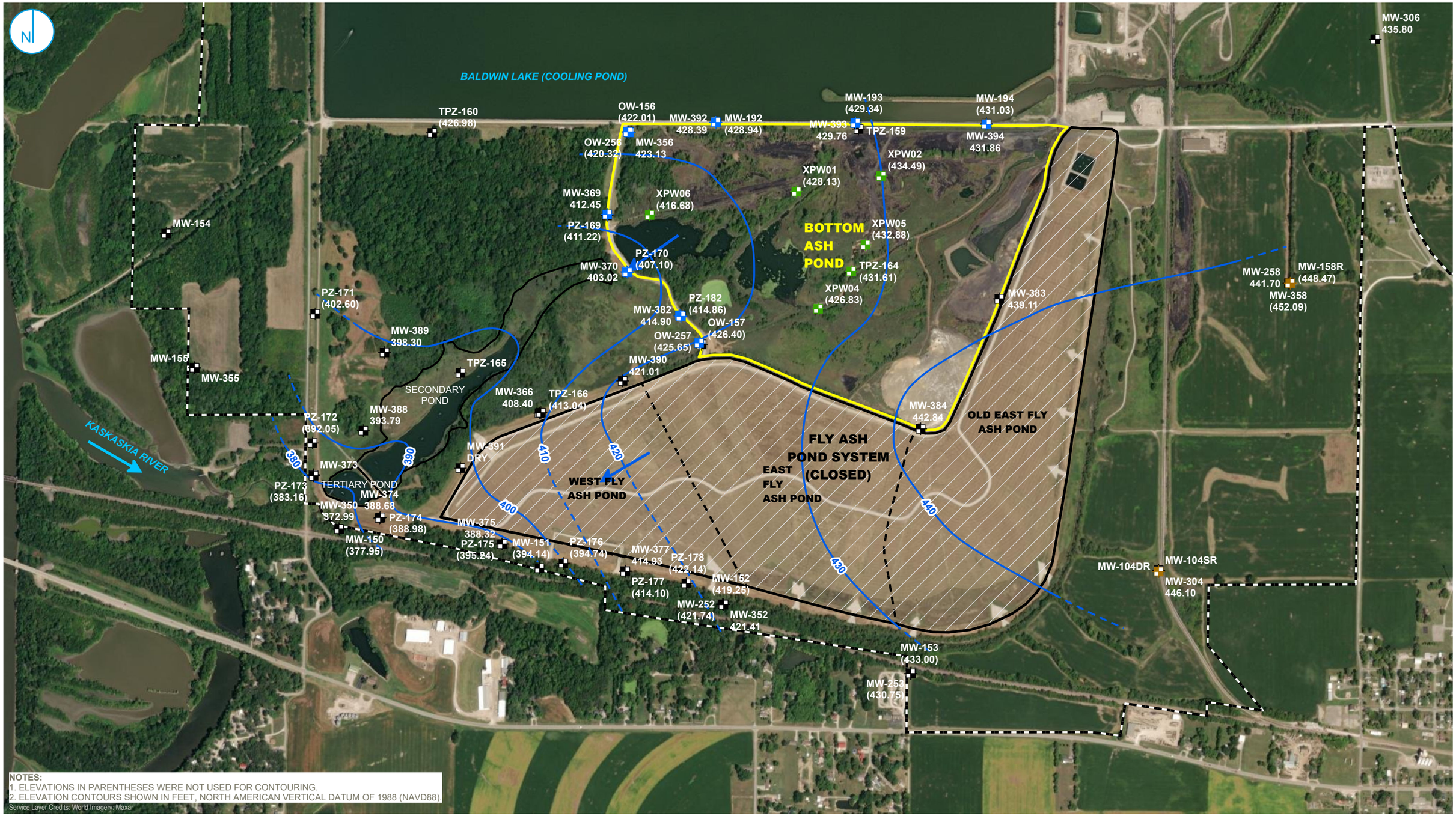
FIGURE 2

RAMBOLL AMERICAS ENGINEERING SOLUTIONS, INC.

RAMBOLL

Y:\Mapping\Projects\2212285\MXD\GW_ContoursRound_2024\Baldwin\BAP_601\BAL_601_BAP_2024.aprx\BAL 601 BAP Pot Surface 20240205

PROJECT: 169000XXXX | DATED: 12/19/2024 | DESIGNER: GALARNMC



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

Service Layer Credits: World Imagery: Maxar

- COMPLIANCE MONITORING WELL
- BACKGROUND MONITORING WELL
- MONITORING WELL
- PORE WATER WELL
- GROUNDWATER ELEVATION CONTOUR (10-FT CONTOUR INTERVAL, NAVD88)
- INFERRED GROUNDWATER ELEVATION CONTOUR
- GROUNDWATER FLOW DIRECTION
- REGULATED UNIT (SUBJECT UNIT)
- FLY ASH POND SYSTEM (CLOSED)
- SITE FEATURE
- CAPPED AREA
- PROPERTY BOUNDARY

0 400 800 Feet

POTENTIOMETRIC SURFACE MAP APRIL 15, 2024

2024 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
BOTTOM ASH POND
BALDWIN POWER PLANT
BALDWIN, ILLINOIS

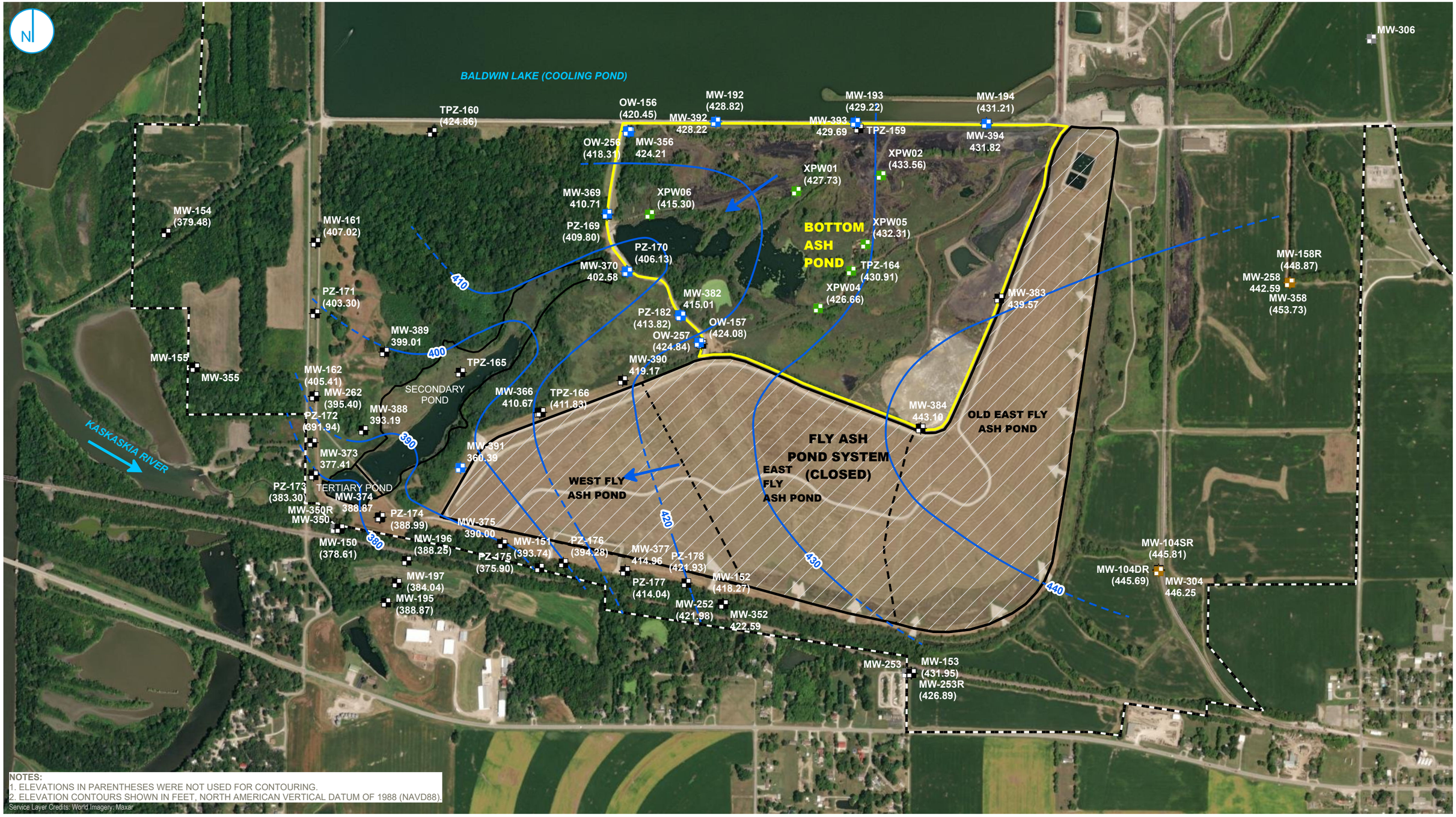
FIGURE 3

RAMBOLL AMERICAS ENGINEERING SOLUTIONS, INC.

RAMBOLL

PROJECT: 1690000XXXX | DATED: 1/9/2025 | DESIGNER: GALARNMC

Y:\Mapping\Projects\22228SIMXD\GW_ContoursRound_2024\Baldwin\BAP_601\BAL_601_BAP_2024.aprx\BAL 601 BAP Pot Surface 20240415



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

Service Layer Credits: World Imagery: Maxar

- COMPLIANCE MONITORING WELL
- BACKGROUND MONITORING WELL
- MONITORING WELL
- PORE WATER WELL
- CLOSED MONITORING WELL
- GROUNDWATER ELEVATION CONTOUR (10-FT CONTOUR INTERVAL, NAVD88)
- INFERRED GROUNDWATER ELEVATION CONTOUR
- GROUNDWATER FLOW DIRECTION
- REGULATED UNIT (SUBJECT UNIT)
- FLY ASH POND SYSTEM (CLOSED)
- SITE FEATURE
- CAPPED AREA
- PROPERTY BOUNDARY

0 400 800 Feet

POTENTIOMETRIC SURFACE MAP JULY 15, 2024

2024 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT BOTTOM ASH POND

BALDWIN POWER PLANT
BALDWIN, ILLINOIS

FIGURE 4

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.

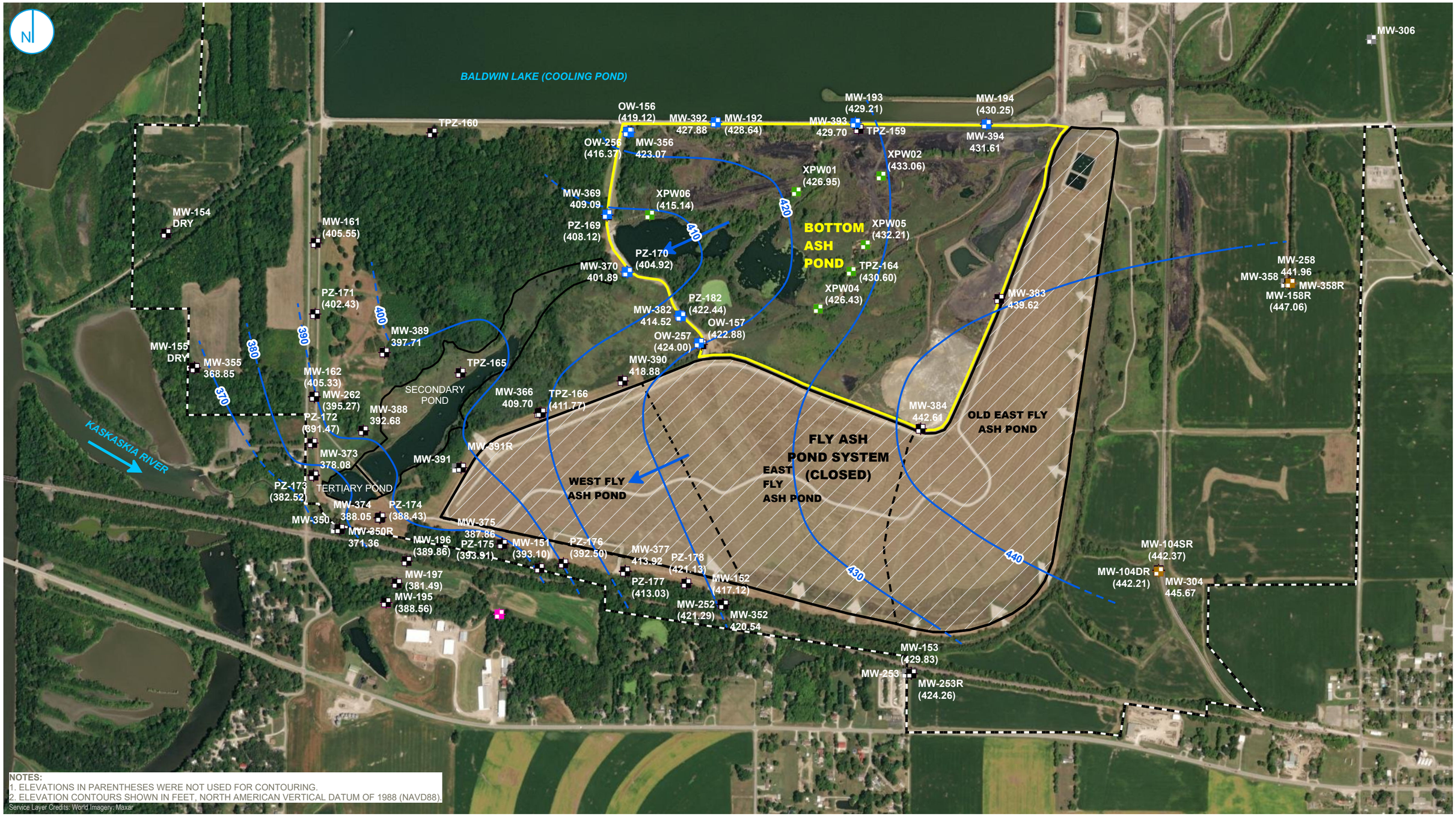
RAMBOLL

Y:\Mapping\Projects\2212285\MXD\GW_ContoursRound_2024\BaldwinBAP_601BAL_601_BAP_2024.aprx\BAL 601 BAP Pot Surface 20240715

PROJECT: 169000XXXX | DATED: 1/8/2025 | DESIGNER: GALARNMC

Y:\Mapping\Projects\222285\MXD\GW_ContoursRound_2024\BaldwinBAP_601\BAL_601_BAP_2024.aprx\BAL 601 BAP Pot Surface 20241014

PROJECT: 169000XXXX | DATED: 1/9/2025 | DESIGNER: GALARNMC



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

Service Layer Credits: World Imagery: Maxar

- COMPLIANCE MONITORING WELL
- BACKGROUND MONITORING WELL
- MONITORING WELL
- PORE WATER WELL
- CLOSED MONITORING WELL
- GROUNDWATER ELEVATION CONTOUR (10-FT CONTOUR INTERVAL, NAVD88)
- INFERRED GROUNDWATER ELEVATION CONTOUR
- GROUNDWATER FLOW DIRECTION
- REGULATED UNIT (SUBJECT UNIT)
- FLY ASH POND SYSTEM (CLOSED)
- SITE FEATURE
- CAPPED AREA
- PROPERTY BOUNDARY

0 400 800 Feet

POTENTIOMETRIC SURFACE MAP OCTOBER 14, 2024

2024 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
BOTTOM ASH POND
BALDWIN POWER PLANT
BALDWIN, ILLINOIS

FIGURE 5

RAMBOLL AMERICAS ENGINEERING SOLUTIONS, INC.

RAMBOLL

APPENDICES

APPENDIX A
LABORATORY REPORTS AND FIELD DATA SHEETS

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

February 29, 2024

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

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

RE: BAL-24Q1 **WorkOrder:** 24011852

Dear Eric Bauer:

TEKLAB, INC received 23 samples for BAL_257_601 on 2/9/2024 10:30:00 AM 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
Client Project: BAL-24Q1

Work Order: 24011852
Report Date: 29-Feb-24

This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	5
Accreditations	6
Laboratory Results	7
Sample Summary	47
Quality Control Results	48
Receiving Check List	95
Chain of Custody	Appended

Definitions

Client: Ramboll **Work Order:** 24011852

Client Project: BAL-24Q1 **Report Date:** 29-Feb-24

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

Definitions

Client: Ramboll **Work Order:** 24011852

Client Project: BAL-24Q1 **Report Date:** 29-Feb-24

Qualifiers

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

Case Narrative

Client: Ramboll
Client Project: BAL-24Q1

Work Order: 24011852
Report Date: 29-Feb-24

Cooler Receipt Temp: 5.1 °C

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

TPZ-164, and XPW05 could not be collected; the wells were not accessible.

Equipment Blanks 2 and 3 were not needed.

Per Eric Bauer's request, only BAL_257_601 data is included in this report. EAH 2/29/24

Locations

Collinsville

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

Springfield

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

Kansas City

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

Collinsville Air

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

Chicago

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

Accreditations

Client: Ramboll **Work Order:** 24011852

Client Project: BAL-24Q1 **Report Date:** 29-Feb-24

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2025	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2024	Collinsville
Louisiana	LDEQ	05002	NELAP	6/30/2024	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2024	Collinsville
Oklahoma	ODEQ	9978	NELAP	8/31/2024	Collinsville
Arkansas	ADEQ	88-0966		3/14/2024	Collinsville
Illinois	IDPH	17584		5/31/2025	Collinsville
Iowa	IDNR	430		6/1/2024	Collinsville
Kentucky	UST	0073		1/31/2025	Collinsville
Missouri	MDNR	00930		10/31/2026	Collinsville
Missouri	MDNR	930		1/31/2025	Collinsville

Laboratory Results

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

Client: Ramboll **Work Order:** 24011852

Client Project: BAL-24Q1 **Report Date:** 29-Feb-24

Lab ID: 24011852-009 **Client Sample ID:** MW-192

Matrix: GROUNDWATER **Collection Date:** 02/06/2024 10:18

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**8.27**	ft	1	02/06/2024 10:18	R342943
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**6.0**	NTU	1	02/06/2024 10:18	R342943
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**141**	mV	1	02/06/2024 10:18	R342943
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**695**	µS/cm	1	02/06/2024 10:18	R342943
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**14.3**	°C	1	02/06/2024 10:18	R342943
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.53**	mg/L	1	02/06/2024 10:18	R342943
SW-846 9040B FIELD									
pH	*	0	1.00		**6.75**		1	02/06/2024 10:18	R342943
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**380**	mg/L	1	02/07/2024 11:07	R342763
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	02/07/2024 11:07	R342763
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**450**	mg/L	1	02/07/2024 11:31	R342824
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10		**15**	mg/L	1	02/07/2024 17:12	R342767
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.43**	mg/L	1	02/07/2024 13:27	R342758
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**20**	mg/L	1	02/07/2024 17:12	R342770
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100	S	**71.5**	mg/L	1	02/08/2024 10:54	218407
Magnesium	NELAP	0.0055	0.0500		**31.1**	mg/L	1	02/08/2024 10:54	218407
Potassium	NELAP	0.0400	0.100		**0.567**	mg/L	1	02/08/2024 10:54	218407
Sodium	NELAP	0.0180	0.0500		**52.4**	mg/L	1	02/08/2024 10:54	218407
Matrix spike control limits are not applicable due to high sample/spike ratio.									
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	02/09/2024 2:32	218407
Arsenic	NELAP	0.0004	0.0010	J	**0.0006**	mg/L	5	02/09/2024 2:32	218407
Barium	NELAP	0.0007	0.0010		**0.0938**	mg/L	5	02/09/2024 2:32	218407
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	02/09/2024 2:32	218407
Boron	NELAP	0.0092	0.0250		**0.0387**	mg/L	5	02/09/2024 20:28	218407
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	02/09/2024 2:32	218407
Chromium	NELAP	0.0007	0.0015	J	**0.0014**	mg/L	5	02/12/2024 11:52	218407
Cobalt	NELAP	0.0001	0.0010	J	**0.0009**	mg/L	5	02/09/2024 2:32	218407
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	02/09/2024 2:32	218407
Lithium	*	0.0015	0.0030		**0.0045**	mg/L	5	02/09/2024 2:32	218407
Molybdenum	NELAP	0.0006	0.0015		**0.0021**	mg/L	5	02/12/2024 11:52	218407
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	02/09/2024 2:32	218407
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	02/12/2024 11:52	218407

Laboratory Results

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

Client: Ramboll **Work Order:** 24011852

Client Project: BAL-24Q1 **Report Date:** 29-Feb-24

Lab ID: 24011852-009 **Client Sample ID:** MW-192

Matrix: GROUNDWATER **Collection Date:** 02/06/2024 10:18

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	02/08/2024 10:38	218405

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24011852

Client Project: BAL-24Q1 **Report Date:** 29-Feb-24

Lab ID: 24011852-010 **Client Sample ID:** MW-193

Matrix: GROUNDWATER **Collection Date:** 02/06/2024 12:28

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**8.73**	ft	1	02/06/2024 12:28	R342943
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**7.2**	NTU	1	02/06/2024 12:28	R342943
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**59**	mV	1	02/06/2024 12:28	R342943
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**863**	µS/cm	1	02/06/2024 12:28	R342943
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**15.9**	°C	1	02/06/2024 12:28	R342943
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.08**	mg/L	1	02/06/2024 12:28	R342943
SW-846 9040B FIELD									
pH	*	0	1.00		**6.69**		1	02/06/2024 12:28	R342943
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**294**	mg/L	1	02/07/2024 11:20	R342763
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	02/07/2024 11:20	R342763
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**572**	mg/L	1	02/07/2024 11:31	R342824
SW-846 9036 (TOTAL)									
Sulfate	NELAP	31	50		**163**	mg/L	5	02/07/2024 17:51	R342767
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.24**	mg/L	1	02/07/2024 13:29	R342758
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**33**	mg/L	1	02/07/2024 17:46	R342770
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**84.6**	mg/L	1	02/08/2024 10:57	218407
Magnesium	NELAP	0.0055	0.0500		**32.9**	mg/L	1	02/08/2024 10:57	218407
Potassium	NELAP	0.0400	0.100		**0.717**	mg/L	1	02/08/2024 10:57	218407
Sodium	NELAP	0.0180	0.0500		**75.0**	mg/L	1	02/08/2024 10:57	218407
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	02/09/2024 1:52	218407
Arsenic	NELAP	0.0004	0.0010	J	**0.0008**	mg/L	5	02/09/2024 1:52	218407
Barium	NELAP	0.0007	0.0010		**0.0780**	mg/L	5	02/09/2024 1:52	218407
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	02/09/2024 1:52	218407
Boron	NELAP	0.0092	0.0250		**0.0496**	mg/L	5	02/09/2024 19:51	218407
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	02/09/2024 1:52	218407
Chromium	NELAP	0.0007	0.0015		**< 0.0015**	mg/L	5	02/12/2024 11:35	218407
Cobalt	NELAP	0.0001	0.0010	J	**0.0004**	mg/L	5	02/09/2024 1:52	218407
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	02/09/2024 1:52	218407
Lithium	*	0.0015	0.0030		**0.0047**	mg/L	5	02/09/2024 1:52	218407
Molybdenum	NELAP	0.0006	0.0015	J	**0.0010**	mg/L	5	02/09/2024 19:51	218407
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	02/09/2024 1:52	218407
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	02/12/2024 11:35	218407

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

Laboratory Results

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

Client: Ramboll **Work Order:** 24011852

Client Project: BAL-24Q1 **Report Date:** 29-Feb-24

Lab ID: 24011852-010 **Client Sample ID:** MW-193

Matrix: GROUNDWATER **Collection Date:** 02/06/2024 12:28

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	02/08/2024 10:41	218405

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24011852

Client Project: BAL-24Q1 **Report Date:** 29-Feb-24

Lab ID: 24011852-013 **Client Sample ID:** MW-304

Matrix: GROUNDWATER **Collection Date:** 02/05/2024 12:54

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**9.52**	ft	1	02/05/2024 12:54	R342943
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**6.8**	NTU	1	02/05/2024 12:54	R342943
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**92**	mV	1	02/05/2024 12:54	R342943
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**2280**	µS/cm	1	02/05/2024 12:54	R342943
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**14.8**	°C	1	02/05/2024 12:54	R342943
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.51**	mg/L	1	02/05/2024 12:54	R342943
SW-846 9040B FIELD									
pH	*	0	1.00		**7.70**		1	02/05/2024 12:54	R342943
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**818**	mg/L	1	02/07/2024 10:01	R342763
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	02/07/2024 10:01	R342763
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**1440**	mg/L	1	02/07/2024 13:40	R342824
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**185**	mg/L	10	02/07/2024 11:01	R342767
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**1.77**	mg/L	1	02/07/2024 11:13	R342758
SW-846 9251 (TOTAL)									
Chloride	NELAP	5	40		**155**	mg/L	10	02/07/2024 11:01	R342770
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**12.4**	mg/L	1	02/08/2024 16:29	218349
Magnesium	NELAP	0.0550	0.500		**5.04**	mg/L	10	02/09/2024 16:05	218349
Potassium	NELAP	0.0400	0.100		**2.34**	mg/L	1	02/08/2024 16:29	218349
Sodium	NELAP	0.180	0.500		**563**	mg/L	10	02/09/2024 16:05	218349
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	02/08/2024 4:15	218349
Arsenic	NELAP	0.0004	0.0010		**0.0038**	mg/L	5	02/08/2024 4:15	218349
Barium	NELAP	0.0007	0.0010		**0.0295**	mg/L	5	02/08/2024 4:15	218349
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	02/08/2024 4:15	218349
Boron	NELAP	0.0092	0.0250		**1.53**	mg/L	5	02/08/2024 23:16	218349
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	02/08/2024 4:15	218349
Chromium	NELAP	0.0007	0.0015	J	**0.0013**	mg/L	5	02/08/2024 4:15	218349
Cobalt	NELAP	0.0001	0.0010		**< 0.0010**	mg/L	5	02/08/2024 4:15	218349
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	02/08/2024 4:15	218349
Lithium	*	0.0015	0.0030		**0.0763**	mg/L	5	02/08/2024 23:16	218349
Molybdenum	NELAP	0.0006	0.0015	J	**0.0013**	mg/L	5	02/09/2024 18:08	218349
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	02/08/2024 4:15	218349
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	02/12/2024 9:58	218349

Laboratory Results

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

Client: Ramboll **Work Order:** 24011852

Client Project: BAL-24Q1 **Report Date:** 29-Feb-24

Lab ID: 24011852-013 **Client Sample ID:** MW-304

Matrix: GROUNDWATER **Collection Date:** 02/05/2024 12:54

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	02/08/2024 11:50	218438

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24011852

Client Project: BAL-24Q1 **Report Date:** 29-Feb-24

Lab ID: 24011852-014 **Client Sample ID:** MW-306

Matrix: GROUNDWATER **Collection Date:** 02/07/2024 9:29

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**17.75**	ft	1	02/07/2024 9:29	R342943
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**13**	NTU	1	02/07/2024 9:29	R342943
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**7**	mV	1	02/07/2024 9:29	R342943
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**440**	µS/cm	1	02/07/2024 9:29	R342943
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**13.7**	°C	1	02/07/2024 9:29	R342943
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.51**	mg/L	1	02/07/2024 9:29	R342943
SW-846 9040B FIELD									
pH	*	0	1.00		**10.2**		1	02/07/2024 9:29	R342943
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	02/08/2024 13:34	R342815
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**72**	mg/L	1	02/08/2024 13:34	R342815
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**270**	mg/L	2.5	02/09/2024 8:47	R342937
SW-846 9036 (TOTAL)									
Sulfate	NELAP	12	20		**45**	mg/L	2	02/08/2024 16:48	R342832
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.64**	mg/L	1	02/08/2024 13:01	R342811
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	8		**61**	mg/L	2	02/09/2024 16:48	R342839
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**20.2**	mg/L	1	02/09/2024 10:00	218457
Magnesium	NELAP	0.0055	0.0500		**0.0685**	mg/L	1	02/09/2024 10:00	218457
Potassium	NELAP	0.0400	0.100		**1.50**	mg/L	1	02/09/2024 10:00	218457
Sodium	NELAP	0.0180	0.0500		**70.9**	mg/L	1	02/09/2024 10:00	218457
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**0.0024**	mg/L	5	02/10/2024 11:11	218457
Arsenic	NELAP	0.0004	0.0010		**0.0042**	mg/L	5	02/12/2024 21:32	218457
Barium	NELAP	0.0007	0.0010		**0.0099**	mg/L	5	02/10/2024 11:11	218457
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	02/10/2024 11:11	218457
Boron	NELAP	0.0092	0.0250		**0.244**	mg/L	5	02/13/2024 11:09	218457
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	02/10/2024 11:11	218457
Chromium	NELAP	0.0010	0.0015	J	**0.0010**	mg/L	5	02/12/2024 21:32	218457
Cobalt	NELAP	0.0001	0.0010	J	**0.0001**	mg/L	5	02/12/2024 21:32	218457
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	02/10/2024 11:11	218457
Lithium	*	0.0015	0.0030		**0.0153**	mg/L	5	02/13/2024 11:09	218457
Molybdenum	NELAP	0.0006	0.0015		**0.0239**	mg/L	5	02/12/2024 21:32	218457
Selenium	NELAP	0.0006	0.0010	J	**0.0007**	mg/L	5	02/10/2024 11:11	218457
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	02/12/2024 21:32	218457

Laboratory Results

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

Client: Ramboll **Work Order:** 24011852

Client Project: BAL-24Q1 **Report Date:** 29-Feb-24

Lab ID: 24011852-014 **Client Sample ID:** MW-306

Matrix: GROUNDWATER **Collection Date:** 02/07/2024 9:29

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00007	0.00020		**< 0.00020**	mg/L	1	02/09/2024 11:33	218483

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24011852

Client Project: BAL-24Q1 **Report Date:** 29-Feb-24

Lab ID: 24011852-018 **Client Sample ID:** MW-356

Matrix: GROUNDWATER **Collection Date:** 02/07/2024 9:32

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**4.60**	ft	1	02/07/2024 9:32	R342943
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**2.7**	NTU	1	02/07/2024 9:32	R342943
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-34**	mV	1	02/07/2024 9:32	R342943
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1070**	µS/cm	1	02/07/2024 9:32	R342943
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**13.2**	°C	1	02/07/2024 9:32	R342943
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.51**	mg/L	1	02/07/2024 9:32	R342943
SW-846 9040B FIELD									
pH	*	0	1.00		**7.59**		1	02/07/2024 9:32	R342943
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**536**	mg/L	1	02/08/2024 13:54	R342815
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	02/08/2024 13:54	R342815
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**650**	mg/L	1	02/09/2024 9:00	R342937
SW-846 9036 (TOTAL)									
Sulfate	NELAP	12	20		**44**	mg/L	2	02/08/2024 17:01	R342832
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**2.02**	mg/L	1	02/08/2024 13:07	R342811
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	8		**31**	mg/L	2	02/09/2024 17:01	R342839
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**12.0**	mg/L	1	02/09/2024 16:32	218485
Magnesium	NELAP	0.0055	0.0500		**7.39**	mg/L	1	02/09/2024 16:32	218485
Potassium	NELAP	0.0400	0.100		**2.85**	mg/L	1	02/09/2024 16:32	218485
Sodium	NELAP	0.0180	0.0500		**259**	mg/L	1	02/09/2024 16:32	218485
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**0.0010**	mg/L	5	02/10/2024 0:03	218485
Arsenic	NELAP	0.0004	0.0010	J	**0.0008**	mg/L	5	02/10/2024 0:03	218485
Barium	NELAP	0.0007	0.0010		**0.0372**	mg/L	5	02/10/2024 0:03	218485
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	02/10/2024 0:03	218485
Boron	NELAP	0.0092	0.0250		**2.05**	mg/L	5	02/12/2024 14:27	218485
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	02/10/2024 0:03	218485
Chromium	NELAP	0.0010	0.0015		**< 0.0015**	mg/L	5	02/12/2024 14:27	218485
Cobalt	NELAP	0.0001	0.0010		**< 0.0010**	mg/L	5	02/10/2024 0:03	218485
Lead	NELAP	0.0008	0.0010		**< 0.0010**	mg/L	5	02/10/2024 0:03	218485
Lithium	*	0.0015	0.0030		**0.0646**	mg/L	5	02/10/2024 0:03	218485
Molybdenum	NELAP	0.0006	0.0015	J	**0.0012**	mg/L	5	02/12/2024 14:27	218485
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	02/10/2024 0:03	218485
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	02/12/2024 14:27	218485

Laboratory Results

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

Client: Ramboll
Work Order: 24011852
Client Project: BAL-24Q1
Report Date: 29-Feb-24
Lab ID: 24011852-018
Client Sample ID: MW-356
Matrix: GROUNDWATER
Collection Date: 02/07/2024 9:32

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00007	0.00020	J	**0.00010**	mg/L	1	02/09/2024 11:51	218483

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24011852

Client Project: BAL-24Q1 **Report Date:** 29-Feb-24

Lab ID: 24011852-019 **Client Sample ID:** MW-358

Matrix: GROUNDWATER **Collection Date:** 02/06/2024 15:22

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**5.80**	ft	1	02/06/2024 15:22	R342943
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**48**	NTU	1	02/06/2024 15:22	R342943
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-170**	mV	1	02/06/2024 15:22	R342943
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**3500**	µS/cm	1	02/06/2024 15:22	R342943
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**13.3**	°C	1	02/06/2024 15:22	R342943
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.76**	mg/L	1	02/06/2024 15:22	R342943
SW-846 9040B FIELD									
pH	*	0	1.00		**7.91**		1	02/06/2024 15:22	R342943
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**712**	mg/L	1	02/07/2024 11:25	R342763
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	02/07/2024 11:25	R342763
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**2280**	mg/L	1	02/07/2024 11:31	R342824
SW-846 9036 (TOTAL)									
Sulfate	NELAP	12	20		**20**	mg/L	2	02/08/2024 10:43	R342832
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**2.40**	mg/L	1	02/07/2024 13:31	R342758
SW-846 9251 (TOTAL)									
Chloride	NELAP	25	200		**917**	mg/L	50	02/07/2024 18:00	R342770
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**30.3**	mg/L	1	02/08/2024 10:57	218407
Magnesium	NELAP	0.0055	0.0500		**16.8**	mg/L	1	02/08/2024 10:57	218407
Potassium	NELAP	0.0400	0.100		**3.72**	mg/L	1	02/08/2024 10:57	218407
Sodium	NELAP	0.180	0.500		**742**	mg/L	10	02/09/2024 15:43	218407
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	J	**0.0009**	mg/L	5	02/09/2024 1:57	218407
Arsenic	NELAP	0.0004	0.0010		**0.0062**	mg/L	5	02/09/2024 1:57	218407
Barium	NELAP	0.0007	0.0010		**0.215**	mg/L	5	02/09/2024 1:57	218407
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	02/09/2024 1:57	218407
Boron	NELAP	0.0092	0.0250		**0.771**	mg/L	5	02/09/2024 19:56	218407
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	02/09/2024 1:57	218407
Chromium	NELAP	0.0007	0.0015	J	**0.0011**	mg/L	5	02/12/2024 11:41	218407
Cobalt	NELAP	0.0001	0.0010	J	**0.0009**	mg/L	5	02/09/2024 1:57	218407
Lead	NELAP	0.0006	0.0010	J	**0.0008**	mg/L	5	02/09/2024 19:56	218407
Lithium	*	0.0015	0.0030		**0.115**	mg/L	5	02/09/2024 1:57	218407
Molybdenum	NELAP	0.0006	0.0015		**0.0041**	mg/L	5	02/12/2024 11:41	218407
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	02/09/2024 1:57	218407
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	02/12/2024 11:41	218407

Laboratory Results

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

Client: Ramboll **Work Order:** 24011852

Client Project: BAL-24Q1 **Report Date:** 29-Feb-24

Lab ID: 24011852-019 **Client Sample ID:** MW-358

Matrix: GROUNDWATER **Collection Date:** 02/06/2024 15:22

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	02/08/2024 10:43	218405

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24011852

Client Project: BAL-24Q1 **Report Date:** 29-Feb-24

Lab ID: 24011852-021 **Client Sample ID:** MW-369

Matrix: GROUNDWATER **Collection Date:** 02/06/2024 10:52

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**12.24**	ft	1	02/06/2024 10:52	R342943
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**24**	NTU	1	02/06/2024 10:52	R342943
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**55**	mV	1	02/06/2024 10:52	R342943
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**2230**	µS/cm	1	02/06/2024 10:52	R342943
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**13.8**	°C	1	02/06/2024 10:52	R342943
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**2.02**	mg/L	1	02/06/2024 10:52	R342943
SW-846 9040B FIELD									
pH	*	0	1.00		**8.06**		1	02/06/2024 10:52	R342943
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**772**	mg/L	1	02/07/2024 11:33	R342763
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**41**	mg/L	1	02/07/2024 11:33	R342763
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**1530**	mg/L	1	02/07/2024 11:31	R342824
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**123**	mg/L	10	02/07/2024 18:02	R342767
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**3.73**	mg/L	1	02/07/2024 13:33	R342758
SW-846 9251 (TOTAL)									
Chloride	NELAP	5	40		**293**	mg/L	10	02/07/2024 18:02	R342770
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**98.5**	mg/L	1	02/08/2024 10:58	218407
Magnesium	NELAP	0.0055	0.0500		**34.2**	mg/L	1	02/08/2024 10:58	218407
Potassium	NELAP	0.0400	0.100		**3.41**	mg/L	1	02/08/2024 10:58	218407
Sodium	NELAP	0.0180	0.0500		**146**	mg/L	1	02/08/2024 10:58	218407
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	02/09/2024 2:03	218407
Arsenic	NELAP	0.0004	0.0010		**0.0017**	mg/L	5	02/09/2024 20:01	218407
Barium	NELAP	0.0007	0.0010		**0.0884**	mg/L	5	02/09/2024 2:03	218407
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	02/09/2024 2:03	218407
Boron	NELAP	0.0092	0.0250		**0.300**	mg/L	5	02/09/2024 20:01	218407
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	02/09/2024 2:03	218407
Chromium	NELAP	0.0007	0.0015	J	**0.0012**	mg/L	5	02/12/2024 11:46	218407
Cobalt	NELAP	0.0001	0.0010	J	**0.0010**	mg/L	5	02/09/2024 20:01	218407
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	02/09/2024 2:03	218407
Lithium	*	0.0015	0.0030		**0.0160**	mg/L	5	02/09/2024 2:03	218407
Molybdenum	NELAP	0.0006	0.0015		**0.0043**	mg/L	5	02/12/2024 11:46	218407
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	02/09/2024 2:03	218407
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	02/12/2024 11:46	218407

Laboratory Results

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

Client: Ramboll **Work Order:** 24011852

Client Project: BAL-24Q1 **Report Date:** 29-Feb-24

Lab ID: 24011852-021 **Client Sample ID:** MW-369

Matrix: GROUNDWATER **Collection Date:** 02/06/2024 10:52

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	02/08/2024 10:45	218405

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24011852

Client Project: BAL-24Q1 **Report Date:** 29-Feb-24

Lab ID: 24011852-022 **Client Sample ID:** MW-370

Matrix: GROUNDWATER **Collection Date:** 02/06/2024 9:41

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**18.19**	ft	1	02/06/2024 9:41	R342943
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**8.9**	NTU	1	02/06/2024 9:41	R342943
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**15**	mV	1	02/06/2024 9:41	R342943
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**4570**	µS/cm	1	02/06/2024 9:41	R342943
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**14.0**	°C	1	02/06/2024 9:41	R342943
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.60**	mg/L	1	02/06/2024 9:41	R342943
SW-846 9040B FIELD									
pH	*	0	1.00		**7.39**		1	02/06/2024 9:41	R342943
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**410**	mg/L	1	02/07/2024 11:42	R342763
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	02/07/2024 11:42	R342763
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**3170**	mg/L	1	02/07/2024 11:32	R342824
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**257**	mg/L	10	02/07/2024 18:05	R342767
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**3.28**	mg/L	1	02/07/2024 13:35	R342758
SW-846 9251 (TOTAL)									
Chloride	NELAP	25	200		**1460**	mg/L	50	02/07/2024 18:10	R342770
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**40.1**	mg/L	1	02/08/2024 11:06	218407
Magnesium	NELAP	0.0055	0.0500		**23.5**	mg/L	1	02/08/2024 11:06	218407
Potassium	NELAP	0.0400	0.100		**6.34**	mg/L	1	02/08/2024 11:06	218407
Sodium	NELAP	0.180	0.500		**1050**	mg/L	10	02/09/2024 15:44	218407
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	02/09/2024 2:09	218407
Arsenic	NELAP	0.0004	0.0010	J	**0.0009**	mg/L	5	02/09/2024 2:09	218407
Barium	NELAP	0.0007	0.0010		**0.0417**	mg/L	5	02/09/2024 2:09	218407
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	02/09/2024 2:09	218407
Boron	NELAP	0.0092	0.0250		**1.69**	mg/L	5	02/09/2024 20:07	218407
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	02/09/2024 2:09	218407
Chromium	NELAP	0.0007	0.0015	J	**0.0010**	mg/L	5	02/12/2024 12:32	218407
Cobalt	NELAP	0.0001	0.0010	J	**0.0001**	mg/L	5	02/09/2024 2:09	218407
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	02/09/2024 2:09	218407
Lithium	*	0.0015	0.0030		**0.169**	mg/L	5	02/09/2024 2:09	218407
Molybdenum	NELAP	0.0006	0.0015		**0.0070**	mg/L	5	02/12/2024 12:32	218407
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	02/09/2024 2:09	218407
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	02/12/2024 12:32	218407

Laboratory Results

Client: Ramboll **Work Order:** 24011852

Client Project: BAL-24Q1 **Report Date:** 29-Feb-24

Lab ID: 24011852-022 **Client Sample ID:** MW-370

Matrix: GROUNDWATER **Collection Date:** 02/06/2024 9:41

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	02/08/2024 10:48	218405

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24011852

Client Project: BAL-24Q1 **Report Date:** 29-Feb-24

Lab ID: 24011852-025 **Client Sample ID:** MW-382

Matrix: GROUNDWATER **Collection Date:** 02/06/2024 12:08

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**16.63**	ft	1	02/06/2024 12:08	R342943
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**110**	NTU	1	02/06/2024 12:08	R342943
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**64**	mV	1	02/06/2024 12:08	R342943
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1470**	µS/cm	1	02/06/2024 12:08	R342943
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**14.9**	°C	1	02/06/2024 12:08	R342943
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.96**	mg/L	1	02/06/2024 12:08	R342943
SW-846 9040B FIELD									
pH	*	0	1.00		**7.76**		1	02/06/2024 12:08	R342943
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**482**	mg/L	1	02/07/2024 11:48	R342763
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	02/07/2024 11:48	R342763
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**1210**	mg/L	1	02/07/2024 11:50	R342824
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**435**	mg/L	10	02/07/2024 18:34	R342767
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**3.36**	mg/L	1	02/07/2024 13:37	R342758
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**43**	mg/L	1	02/07/2024 18:29	R342770
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**26.0**	mg/L	1	02/08/2024 11:07	218407
Magnesium	NELAP	0.0055	0.0500		**11.9**	mg/L	1	02/08/2024 11:07	218407
Potassium	NELAP	0.0400	0.100		**5.40**	mg/L	1	02/08/2024 11:07	218407
Sodium	NELAP	0.0180	0.0500		**429**	mg/L	1	02/08/2024 11:07	218407
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	02/09/2024 2:15	218407
Arsenic	NELAP	0.0004	0.0010		**0.0033**	mg/L	5	02/09/2024 2:15	218407
Barium	NELAP	0.0007	0.0010		**0.0342**	mg/L	5	02/09/2024 2:15	218407
Beryllium	NELAP	0.0002	0.0010	J	**0.0006**	mg/L	5	02/09/2024 2:15	218407
Boron	NELAP	0.0092	0.0250		**1.59**	mg/L	5	02/09/2024 20:12	218407
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	02/09/2024 2:15	218407
Chromium	NELAP	0.0007	0.0015		**0.0106**	mg/L	5	02/12/2024 12:38	218407
Cobalt	NELAP	0.0001	0.0010		**0.0049**	mg/L	5	02/09/2024 2:15	218407
Lead	NELAP	0.0006	0.0010		**0.0056**	mg/L	5	02/09/2024 2:15	218407
Lithium	*	0.0015	0.0030		**0.0904**	mg/L	5	02/09/2024 2:15	218407
Molybdenum	NELAP	0.0006	0.0015	J	**0.0011**	mg/L	5	02/09/2024 20:12	218407
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	02/09/2024 2:15	218407
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	02/12/2024 12:38	218407

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

Laboratory Results

Client: Ramboll **Work Order:** 24011852

Client Project: BAL-24Q1 **Report Date:** 29-Feb-24

Lab ID: 24011852-025 **Client Sample ID:** MW-382

Matrix: GROUNDWATER **Collection Date:** 02/06/2024 12:08

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	02/08/2024 10:50	218405

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24011852

Client Project: BAL-24Q1 **Report Date:** 29-Feb-24

Lab ID: 24011852-030 **Client Sample ID:** MW-392

Matrix: GROUNDWATER **Collection Date:** 02/06/2024 11:20

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**8.81**	ft	1	02/06/2024 11:20	R342943
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**9.6**	NTU	1	02/06/2024 11:20	R342943
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-8**	mV	1	02/06/2024 11:20	R342943
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**3030**	µS/cm	1	02/06/2024 11:20	R342943
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**14.3**	°C	1	02/06/2024 11:20	R342943
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.43**	mg/L	1	02/06/2024 11:20	R342943
SW-846 9040B FIELD									
pH	*	0	1.00		**7.64**		1	02/06/2024 11:20	R342943
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**378**	mg/L	1	02/07/2024 13:18	R342763
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	02/07/2024 13:18	R342763
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**1810**	mg/L	1	02/07/2024 11:51	R342824
SW-846 9036 (TOTAL)									
Sulfate	NELAP	12	20		**59**	mg/L	2	02/08/2024 10:59	R342832
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**4.28**	mg/L	1	02/07/2024 13:53	R342758
SW-846 9251 (TOTAL)									
Chloride	NELAP	25	200		**863**	mg/L	50	02/09/2024 11:04	R342839
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**25.3**	mg/L	1	02/08/2024 11:10	218407
Magnesium	NELAP	0.0055	0.0500		**15.5**	mg/L	1	02/08/2024 11:10	218407
Potassium	NELAP	0.0400	0.100		**4.86**	mg/L	1	02/08/2024 11:10	218407
Sodium	NELAP	0.180	0.500		**660**	mg/L	10	02/09/2024 15:45	218407
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	02/09/2024 3:18	218407
Arsenic	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	02/09/2024 3:18	218407
Barium	NELAP	0.0007	0.0010		**0.0551**	mg/L	5	02/09/2024 3:18	218407
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	02/09/2024 3:18	218407
Boron	NELAP	0.0092	0.0250		**1.74**	mg/L	5	02/09/2024 21:11	218407
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	02/09/2024 3:18	218407
Chromium	NELAP	0.0007	0.0015		**0.0018**	mg/L	5	02/12/2024 13:01	218407
Cobalt	NELAP	0.0001	0.0010	J	**0.0002**	mg/L	5	02/09/2024 3:18	218407
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	02/09/2024 3:18	218407
Lithium	*	0.0015	0.0030		**0.108**	mg/L	5	02/09/2024 3:18	218407
Molybdenum	NELAP	0.0006	0.0015	J	**0.0009**	mg/L	5	02/09/2024 21:11	218407
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	02/09/2024 3:18	218407
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	02/12/2024 13:01	218407

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

Laboratory Results

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

Client: Ramboll **Work Order:** 24011852

Client Project: BAL-24Q1 **Report Date:** 29-Feb-24

Lab ID: 24011852-030 **Client Sample ID:** MW-392

Matrix: GROUNDWATER **Collection Date:** 02/06/2024 11:20

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	02/08/2024 11:09	218405

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24011852

Client Project: BAL-24Q1 **Report Date:** 29-Feb-24

Lab ID: 24011852-031 **Client Sample ID:** MW-393

Matrix: GROUNDWATER **Collection Date:** 02/06/2024 13:15

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**8.11**	ft	1	02/06/2024 13:15	R342943
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**6.6**	NTU	1	02/06/2024 13:15	R342943
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-142**	mV	1	02/06/2024 13:15	R342943
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**3800**	µS/cm	1	02/06/2024 13:15	R342943
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**15.3**	°C	1	02/06/2024 13:15	R342943
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.40**	mg/L	1	02/06/2024 13:15	R342943
SW-846 9040B FIELD									
pH	*	0	1.00		**8.12**		1	02/06/2024 13:15	R342943
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**803**	mg/L	1	02/07/2024 13:25	R342763
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**28**	mg/L	1	02/07/2024 13:25	R342763
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**2470**	mg/L	1	02/07/2024 12:01	R342824
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**206**	mg/L	10	02/07/2024 19:01	R342767
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.37	1.00		**9.27**	mg/L	10	02/07/2024 14:37	R342758
SW-846 9251 (TOTAL)									
Chloride	NELAP	25	200		**741**	mg/L	50	02/09/2024 11:10	R342839
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**6.43**	mg/L	1	02/08/2024 11:11	218407
Magnesium	NELAP	0.0055	0.0500		**4.04**	mg/L	1	02/08/2024 11:11	218407
Potassium	NELAP	0.0400	0.100		**3.55**	mg/L	1	02/08/2024 11:11	218407
Sodium	NELAP	0.180	0.500		**942**	mg/L	10	02/09/2024 15:46	218407
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	02/09/2024 3:24	218407
Arsenic	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	02/09/2024 3:24	218407
Barium	NELAP	0.0007	0.0010		**0.0578**	mg/L	5	02/09/2024 3:24	218407
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	02/09/2024 3:24	218407
Boron	NELAP	0.0092	0.0250		**1.63**	mg/L	5	02/09/2024 21:16	218407
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	02/09/2024 3:24	218407
Chromium	NELAP	0.0007	0.0015	J	**0.0015**	mg/L	5	02/12/2024 13:06	218407
Cobalt	NELAP	0.0001	0.0010		**< 0.0010**	mg/L	5	02/09/2024 3:24	218407
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	02/09/2024 3:24	218407
Lithium	*	0.0015	0.0030		**0.110**	mg/L	5	02/09/2024 3:24	218407
Molybdenum	NELAP	0.0006	0.0015		**< 0.0015**	mg/L	5	02/09/2024 21:16	218407
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	02/09/2024 3:24	218407
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	02/12/2024 13:06	218407

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

Laboratory Results

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

Client: Ramboll **Work Order:** 24011852

Client Project: BAL-24Q1 **Report Date:** 29-Feb-24

Lab ID: 24011852-031 **Client Sample ID:** MW-393

Matrix: GROUNDWATER **Collection Date:** 02/06/2024 13:15

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	02/08/2024 11:12	218405

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24011852

Client Project: BAL-24Q1 **Report Date:** 29-Feb-24

Lab ID: 24011852-032 **Client Sample ID:** MW-394

Matrix: GROUNDWATER **Collection Date:** 02/06/2024 14:16

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**6.57**	ft	1	02/06/2024 14:16	R342943
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**1.6**	NTU	1	02/06/2024 14:16	R342943
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-264**	mV	1	02/06/2024 14:16	R342943
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**3960**	µS/cm	1	02/06/2024 14:16	R342943
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**14.1**	°C	1	02/06/2024 14:16	R342943
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.43**	mg/L	1	02/06/2024 14:16	R342943
SW-846 9040B FIELD									
pH	*	0	1.00		**7.94**		1	02/06/2024 14:16	R342943
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**830**	mg/L	1	02/07/2024 13:33	R342763
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**11**	mg/L	1	02/07/2024 13:33	R342763
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**2330**	mg/L	1	02/07/2024 12:02	R342824
SW-846 9036 (TOTAL)									
Sulfate	NELAP	31	50		**105**	mg/L	5	02/08/2024 11:33	R342832
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**4.83**	mg/L	1	02/07/2024 13:56	R342758
SW-846 9251 (TOTAL)									
Chloride	NELAP	10	80		**790**	mg/L	20	02/07/2024 19:38	R342770
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**10.1**	mg/L	1	02/08/2024 11:11	218407
Magnesium	NELAP	0.0055	0.0500		**4.93**	mg/L	1	02/08/2024 11:11	218407
Potassium	NELAP	0.0400	0.100		**3.26**	mg/L	1	02/08/2024 11:11	218407
Sodium	NELAP	0.180	0.500		**928**	mg/L	10	02/09/2024 15:46	218407
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	02/09/2024 3:30	218407
Arsenic	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	02/09/2024 3:30	218407
Barium	NELAP	0.0007	0.0010		**0.0432**	mg/L	5	02/09/2024 3:30	218407
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	02/09/2024 3:30	218407
Boron	NELAP	0.0092	0.0250		**1.73**	mg/L	5	02/09/2024 21:22	218407
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	02/09/2024 3:30	218407
Chromium	NELAP	0.0007	0.0015	J	**0.0013**	mg/L	5	02/12/2024 13:12	218407
Cobalt	NELAP	0.0001	0.0010	J	**0.0002**	mg/L	5	02/09/2024 3:30	218407
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	02/09/2024 3:30	218407
Lithium	*	0.0015	0.0030		**0.128**	mg/L	5	02/09/2024 3:30	218407
Molybdenum	NELAP	0.0006	0.0015		**< 0.0015**	mg/L	5	02/09/2024 21:22	218407
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	02/09/2024 3:30	218407
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	02/12/2024 13:12	218407

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

Laboratory Results

Client: Ramboll **Work Order:** 24011852

Client Project: BAL-24Q1 **Report Date:** 29-Feb-24

Lab ID: 24011852-032 **Client Sample ID:** MW-394

Matrix: GROUNDWATER **Collection Date:** 02/06/2024 14:16

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	02/08/2024 11:14	218405

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24011852

Client Project: BAL-24Q1 **Report Date:** 29-Feb-24

Lab ID: 24011852-035 **Client Sample ID:** OW-256

Matrix: GROUNDWATER **Collection Date:** 02/07/2024 10:06

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**9.38**	ft	1	02/07/2024 10:06	R342943
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**2.4**	NTU	1	02/07/2024 10:06	R342943
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**24**	mV	1	02/07/2024 10:06	R342943
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**780**	µS/cm	1	02/07/2024 10:06	R342943
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**14.9**	°C	1	02/07/2024 10:06	R342943
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.83**	mg/L	1	02/07/2024 10:06	R342943
SW-846 9040B FIELD									
pH	*	0	1.00		**6.75**		1	02/07/2024 10:06	R342943
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**311**	mg/L	1	02/08/2024 14:21	R342815
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	02/08/2024 14:21	R342815
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**492**	mg/L	1	02/09/2024 9:08	R342937
SW-846 9036 (TOTAL)									
Sulfate	NELAP	31	50		**87**	mg/L	5	02/08/2024 17:20	R342832
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.25**	mg/L	1	02/08/2024 13:15	R342811
SW-846 9251 (TOTAL)									
Chloride	NELAP	2	20		**63**	mg/L	5	02/09/2024 17:20	R342839
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**84.8**	mg/L	1	02/09/2024 16:35	218485
Magnesium	NELAP	0.0055	0.0500		**33.5**	mg/L	1	02/09/2024 16:35	218485
Potassium	NELAP	0.0400	0.100		**0.886**	mg/L	1	02/09/2024 16:35	218485
Sodium	NELAP	0.0180	0.0500		**53.6**	mg/L	1	02/09/2024 16:35	218485
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	02/16/2024 21:27	218485
Arsenic	NELAP	0.0004	0.0010		**0.0011**	mg/L	5	02/20/2024 0:41	218485
Barium	NELAP	0.0007	0.0010		**0.110**	mg/L	5	02/21/2024 8:55	218485
Beryllium	NELAP	0.0002	0.0010	J	**0.0003**	mg/L	5	02/16/2024 21:27	218485
Boron	NELAP	0.0092	0.0250		**0.204**	mg/L	5	02/19/2024 10:11	218485
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	02/16/2024 21:27	218485
Chromium	NELAP	0.0007	0.0015	J	**0.0014**	mg/L	5	02/19/2024 10:11	218485
Cobalt	NELAP	0.0001	0.0010	J	**0.0008**	mg/L	5	02/16/2024 21:27	218485
Lead	NELAP	0.0006	0.0010	J	**0.0008**	mg/L	5	02/20/2024 0:41	218485
Lithium	*	0.0015	0.0030		**0.0070**	mg/L	5	02/16/2024 21:27	218485
Molybdenum	NELAP	0.0006	0.0015		**< 0.0015**	mg/L	5	02/16/2024 21:27	218485
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	02/16/2024 21:27	218485
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	02/23/2024 20:03	219088

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

Laboratory Results

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

Client: Ramboll **Work Order:** 24011852

Client Project: BAL-24Q1 **Report Date:** 29-Feb-24

Lab ID: 24011852-035 **Client Sample ID:** OW-256

Matrix: GROUNDWATER **Collection Date:** 02/07/2024 10:06

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00007	0.00020		**< 0.00020**	mg/L	1	02/09/2024 12:05	218483

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24011852

Client Project: BAL-24Q1 **Report Date:** 29-Feb-24

Lab ID: 24011852-036 **Client Sample ID:** OW-257

Matrix: GROUNDWATER **Collection Date:** 02/06/2024 10:14

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**7.29**	ft	1	02/06/2024 10:14	R342943
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**13**	NTU	1	02/06/2024 10:14	R342943
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**61**	mV	1	02/06/2024 10:14	R342943
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**881**	µS/cm	1	02/06/2024 10:14	R342943
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**12.1**	°C	1	02/06/2024 10:14	R342943
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**4.64**	mg/L	1	02/06/2024 10:14	R342943
SW-846 9040B FIELD									
pH	*	0	1.00		**7.20**		1	02/06/2024 10:14	R342943
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**532**	mg/L	1	02/07/2024 13:41	R342763
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	02/07/2024 13:41	R342763
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**684**	mg/L	1	02/07/2024 12:02	R342824
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**107**	mg/L	10	02/07/2024 19:46	R342767
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.41**	mg/L	1	02/07/2024 13:57	R342758
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**8**	mg/L	1	02/07/2024 19:41	R342770
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**105**	mg/L	1	02/08/2024 11:12	218407
Magnesium	NELAP	0.0055	0.0500		**48.5**	mg/L	1	02/08/2024 11:12	218407
Potassium	NELAP	0.0400	0.100		**3.12**	mg/L	1	02/08/2024 11:12	218407
Sodium	NELAP	0.0180	0.0500		**81.6**	mg/L	1	02/08/2024 11:12	218407
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**0.0014**	mg/L	5	02/09/2024 3:35	218407
Arsenic	NELAP	0.0004	0.0010		**0.0019**	mg/L	5	02/09/2024 3:35	218407
Barium	NELAP	0.0007	0.0010		**0.122**	mg/L	5	02/09/2024 3:35	218407
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	02/09/2024 3:35	218407
Boron	NELAP	0.0092	0.0250		**0.518**	mg/L	5	02/09/2024 21:27	218407
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	02/09/2024 3:35	218407
Chromium	NELAP	0.0007	0.0015	J	**0.0013**	mg/L	5	02/12/2024 13:18	218407
Cobalt	NELAP	0.0001	0.0010	J	**0.0008**	mg/L	5	02/09/2024 3:35	218407
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	02/09/2024 3:35	218407
Lithium	*	0.0015	0.0030		**0.0369**	mg/L	5	02/09/2024 3:35	218407
Molybdenum	NELAP	0.0006	0.0015		**0.0028**	mg/L	5	02/12/2024 13:18	218407
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	02/09/2024 3:35	218407
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	02/12/2024 13:18	218407

Laboratory Results

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

Client: Ramboll **Work Order:** 24011852

Client Project: BAL-24Q1 **Report Date:** 29-Feb-24

Lab ID: 24011852-036 **Client Sample ID:** OW-257

Matrix: GROUNDWATER **Collection Date:** 02/06/2024 10:14

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	02/08/2024 11:16	218405

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24011852

Client Project: BAL-24Q1 **Report Date:** 29-Feb-24

Lab ID: 24011852-037 **Client Sample ID:** PZ-170

Matrix: GROUNDWATER **Collection Date:** 02/06/2024 9:24

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**15.91**	ft	1	02/06/2024 9:24	R342943
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**19**	NTU	1	02/06/2024 9:24	R342943
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-53**	mV	1	02/06/2024 9:24	R342943
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1270**	µS/cm	1	02/06/2024 9:24	R342943
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**14.4**	°C	1	02/06/2024 9:24	R342943
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.80**	mg/L	1	02/06/2024 9:24	R342943
SW-846 9040B FIELD									
pH	*	0	1.00		**6.50**		1	02/06/2024 9:24	R342943
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**646**	mg/L	1	02/07/2024 13:48	R342763
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	02/07/2024 13:48	R342763
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**1080**	mg/L	1	02/07/2024 12:02	R342824
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**185**	mg/L	10	02/07/2024 19:48	R342767
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.20**	mg/L	1	02/07/2024 13:59	R342758
SW-846 9251 (TOTAL)									
Chloride	NELAP	5	40		**80**	mg/L	10	02/07/2024 19:49	R342770
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**182**	mg/L	1	02/08/2024 11:36	218407
Magnesium	NELAP	0.0055	0.0500		**75.6**	mg/L	1	02/08/2024 11:36	218407
Potassium	NELAP	0.0400	0.100		**1.40**	mg/L	1	02/08/2024 11:36	218407
Sodium	NELAP	0.0180	0.0500		**98.4**	mg/L	1	02/08/2024 11:36	218407
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**0.0063**	mg/L	5	02/09/2024 3:41	218407
Arsenic	NELAP	0.0004	0.0010		**0.0013**	mg/L	5	02/09/2024 3:41	218407
Barium	NELAP	0.0007	0.0010		**0.205**	mg/L	5	02/09/2024 3:41	218407
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	02/09/2024 3:41	218407
Boron	NELAP	0.0092	0.0250		**0.276**	mg/L	5	02/09/2024 21:32	218407
Cadmium	NELAP	0.0002	0.0010	J	**0.0006**	mg/L	5	02/09/2024 3:41	218407
Chromium	NELAP	0.0007	0.0015		**0.0023**	mg/L	5	02/12/2024 13:23	218407
Cobalt	NELAP	0.0001	0.0010		**0.0035**	mg/L	5	02/12/2024 13:23	218407
Lead	NELAP	0.0006	0.0010	J	**0.0008**	mg/L	5	02/09/2024 3:41	218407
Lithium	*	0.0015	0.0030		**0.0438**	mg/L	5	02/09/2024 3:41	218407
Molybdenum	NELAP	0.0006	0.0015		**< 0.0015**	mg/L	5	02/09/2024 21:32	218407
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	02/09/2024 3:41	218407
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	02/12/2024 13:23	218407

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

Laboratory Results

Client: Ramboll **Work Order:** 24011852

Client Project: BAL-24Q1 **Report Date:** 29-Feb-24

Lab ID: 24011852-037 **Client Sample ID:** PZ-170

Matrix: GROUNDWATER **Collection Date:** 02/06/2024 9:24

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	02/08/2024 11:19	218405

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24011852

Client Project: BAL-24Q1 **Report Date:** 29-Feb-24

Lab ID: 24011852-038 **Client Sample ID:** PZ-182

Matrix: GROUNDWATER **Collection Date:** 02/06/2024 12:37

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**19.91**	ft	1	02/06/2024 12:37	R342943
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**24**	NTU	1	02/06/2024 12:37	R342943
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**10**	mV	1	02/06/2024 12:37	R342943
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1010**	µS/cm	1	02/06/2024 12:37	R342943
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**15.6**	°C	1	02/06/2024 12:37	R342943
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.30**	mg/L	1	02/06/2024 12:37	R342943
SW-846 9040B FIELD									
pH	*	0	1.00		**6.51**		1	02/06/2024 12:37	R342943
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**506**	mg/L	1	02/07/2024 13:55	R342763
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	02/07/2024 13:55	R342763
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**886**	mg/L	1	02/07/2024 12:02	R342824
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**178**	mg/L	10	02/07/2024 19:57	R342767
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.16**	mg/L	1	02/07/2024 14:02	R342758
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**38**	mg/L	1	02/07/2024 19:52	R342770
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**150**	mg/L	1	02/08/2024 11:36	218407
Magnesium	NELAP	0.0055	0.0500		**57.6**	mg/L	1	02/08/2024 11:36	218407
Potassium	NELAP	0.0400	0.100		**0.763**	mg/L	1	02/08/2024 11:36	218407
Sodium	NELAP	0.0180	0.0500		**44.0**	mg/L	1	02/08/2024 11:36	218407
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	02/09/2024 3:47	218407
Arsenic	NELAP	0.0004	0.0010	J	**0.0008**	mg/L	5	02/09/2024 3:47	218407
Barium	NELAP	0.0007	0.0010		**0.104**	mg/L	5	02/09/2024 3:47	218407
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	02/09/2024 3:47	218407
Boron	NELAP	0.0092	0.0250		**0.516**	mg/L	5	02/09/2024 21:37	218407
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	02/09/2024 3:47	218407
Chromium	NELAP	0.0007	0.0015	J	**0.0013**	mg/L	5	02/12/2024 14:10	218407
Cobalt	NELAP	0.0001	0.0010	J	**0.0009**	mg/L	5	02/09/2024 3:47	218407
Lead	NELAP	0.0006	0.0010	J	**0.0008**	mg/L	5	02/09/2024 3:47	218407
Lithium	*	0.0015	0.0030		**0.0223**	mg/L	5	02/09/2024 3:47	218407
Molybdenum	NELAP	0.0006	0.0015		**< 0.0015**	mg/L	5	02/09/2024 21:37	218407
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	02/09/2024 3:47	218407
Thallium	NELAP	0.0010	0.0020	J	**0.0014**	mg/L	5	02/12/2024 14:10	218407

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

Laboratory Results

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

Client: Ramboll **Work Order:** 24011852

Client Project: BAL-24Q1 **Report Date:** 29-Feb-24

Lab ID: 24011852-038 **Client Sample ID:** PZ-182

Matrix: GROUNDWATER **Collection Date:** 02/06/2024 12:37

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	02/08/2024 11:21	218405

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24011852

Client Project: BAL-24Q1 **Report Date:** 29-Feb-24

Lab ID: 24011852-040 **Client Sample ID:** XPW01

Matrix: GROUNDWATER **Collection Date:** 02/08/2024 9:06

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**9.86**	ft	1	02/08/2024 9:06	R342943
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**11**	NTU	1	02/08/2024 9:06	R342943
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**146**	mV	1	02/08/2024 9:06	R342943
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**625**	µS/cm	1	02/08/2024 9:06	R342943
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**14.4**	°C	1	02/08/2024 9:06	R342943
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.20**	mg/L	1	02/08/2024 9:06	R342943
SW-846 9040B FIELD									
pH	*	0	1.00		**6.60**		1	02/08/2024 9:06	R342943
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**217**	mg/L	1	02/09/2024 11:22	R342848
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	02/09/2024 11:22	R342848
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**472**	mg/L	1	02/09/2024 10:45	R342937
SW-846 9036 (TOTAL)									
Sulfate	NELAP	31	50		**126**	mg/L	5	02/09/2024 15:25	R342903
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.53**	mg/L	1	02/09/2024 11:37	R342864
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**49**	mg/L	1	02/09/2024 15:19	R342904
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**84.8**	mg/L	1	02/12/2024 9:22	218539
Magnesium	NELAP	0.0055	0.0500		**29.3**	mg/L	1	02/12/2024 9:22	218539
Potassium	NELAP	0.400	1.00		**9.91**	mg/L	10	02/13/2024 9:58	218539
Sodium	NELAP	0.0180	0.0500		**54.6**	mg/L	1	02/12/2024 9:22	218539
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	02/13/2024 0:07	218539
Arsenic	NELAP	0.0004	0.0010	J	**0.0008**	mg/L	5	02/13/2024 0:07	218539
Barium	NELAP	0.0007	0.0010		**0.116**	mg/L	5	02/13/2024 0:07	218539
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	02/13/2024 0:07	218539
Boron	NELAP	0.0092	0.0250		**0.961**	mg/L	5	02/13/2024 11:26	218539
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	02/13/2024 0:07	218539
Chromium	NELAP	0.0007	0.0015		**0.0018**	mg/L	5	02/13/2024 11:26	218539
Cobalt	NELAP	0.0001	0.0010	J	**0.0002**	mg/L	5	02/13/2024 0:07	218539
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	02/13/2024 0:07	218539
Lithium	*	0.0015	0.0030		**0.0116**	mg/L	5	02/13/2024 11:26	218539
Molybdenum	NELAP	0.0006	0.0015		**0.0498**	mg/L	5	02/13/2024 0:07	218539
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	02/13/2024 0:07	218539
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	02/13/2024 11:26	218539

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

Laboratory Results

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

Client: Ramboll **Work Order:** 24011852

Client Project: BAL-24Q1 **Report Date:** 29-Feb-24

Lab ID: 24011852-040 **Client Sample ID:** XPW01

Matrix: GROUNDWATER **Collection Date:** 02/08/2024 9:06

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020	J	**0.00016**	mg/L	1	02/12/2024 10:55	218551

Laboratory Results

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

Client: Ramboll **Work Order:** 24011852

Client Project: BAL-24Q1 **Report Date:** 29-Feb-24

Lab ID: 24011852-042 **Client Sample ID:** XPW06

Matrix: GROUNDWATER **Collection Date:** 02/06/2024 11:23

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**2.38**	ft	1	02/06/2024 11:23	R342943
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**11**	NTU	1	02/06/2024 11:23	R342943
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**73**	mV	1	02/06/2024 11:23	R342943
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**825**	µS/cm	1	02/06/2024 11:23	R342943
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**11.1**	°C	1	02/06/2024 11:23	R342943
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**2.16**	mg/L	1	02/06/2024 11:23	R342943
SW-846 9040B FIELD									
pH	*	0	1.00		**7.28**		1	02/06/2024 11:23	R342943
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**244**	mg/L	1	02/07/2024 14:02	R342763
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	02/07/2024 14:02	R342763
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**688**	mg/L	1	02/09/2024 8:09	R342937
SW-846 9036 (TOTAL)									
Sulfate	NELAP	123	200		**315**	mg/L	20	02/07/2024 20:20	R342767
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.35**	mg/L	1	02/07/2024 14:12	R342758
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**5**	mg/L	1	02/07/2024 20:16	R342770
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100	S	**90.6**	mg/L	1	02/08/2024 11:37	218407
Magnesium	NELAP	0.0055	0.0500		**33.0**	mg/L	1	02/08/2024 11:37	218407
Potassium	NELAP	0.400	1.00		**18.1**	mg/L	10	02/09/2024 15:47	218407
Sodium	NELAP	0.0180	0.0500		**90.0**	mg/L	1	02/08/2024 11:37	218407
Matrix spike control limits are not applicable due to high sample/spike ratio.									
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	J	**0.0006**	mg/L	5	02/09/2024 3:53	218407
Arsenic	NELAP	0.0004	0.0010		**0.0061**	mg/L	5	02/09/2024 3:53	218407
Barium	NELAP	0.0007	0.0010		**0.201**	mg/L	5	02/09/2024 3:53	218407
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	02/09/2024 3:53	218407
Boron	NELAP	0.0092	0.0250	S	**2.91**	mg/L	5	02/09/2024 21:43	218407
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	02/09/2024 3:53	218407
Chromium	NELAP	0.0007	0.0015		**0.0023**	mg/L	5	02/12/2024 14:38	218407
Cobalt	NELAP	0.0001	0.0010	J	**0.0004**	mg/L	5	02/09/2024 3:53	218407
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	02/09/2024 3:53	218407
Lithium	*	0.0015	0.0030		**0.0057**	mg/L	5	02/09/2024 3:53	218407
Molybdenum	NELAP	0.0006	0.0015		**0.0858**	mg/L	5	02/12/2024 14:38	218407
Selenium	NELAP	0.0006	0.0010		**0.0072**	mg/L	5	02/09/2024 3:53	218407
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	02/12/2024 14:38	218407
Matrix spike control limits are not applicable due to high sample/spike ratio.									

Laboratory Results

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

Client: Ramboll **Work Order:** 24011852

Client Project: BAL-24Q1 **Report Date:** 29-Feb-24

Lab ID: 24011852-042 **Client Sample ID:** XPW06

Matrix: GROUNDWATER **Collection Date:** 02/06/2024 11:23

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	02/08/2024 11:28	218405

Laboratory Results

Client: Ramboll **Work Order:** 24011852

Client Project: BAL-24Q1 **Report Date:** 29-Feb-24

Lab ID: 24011852-043 **Client Sample ID:** Field Blank

Matrix: AQUEOUS **Collection Date:** 02/08/2024 10:36

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	02/09/2024 11:17	R342848
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	02/09/2024 11:17	R342848
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**24**	mg/L	1	02/09/2024 13:06	R342937
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10		**< 10**	mg/L	1	02/13/2024 10:55	R342992
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**< 0.10**	mg/L	1	02/09/2024 11:32	R342864
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**< 4**	mg/L	1	02/13/2024 10:56	R342995
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**< 0.100**	mg/L	1	02/12/2024 9:23	218539
Magnesium	NELAP	0.0055	0.0500		**< 0.0500**	mg/L	1	02/12/2024 9:23	218539
Potassium	NELAP	0.0400	0.100		**< 0.100**	mg/L	1	02/12/2024 9:23	218539
Sodium	NELAP	0.0180	0.0500		**< 0.0500**	mg/L	1	02/12/2024 9:23	218539
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**0.0015**	mg/L	5	02/13/2024 1:11	218539
Arsenic	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	02/13/2024 1:11	218539
Barium	NELAP	0.0007	0.0010		**< 0.0010**	mg/L	5	02/13/2024 1:11	218539
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	02/13/2024 12:35	218539
Boron	NELAP	0.0092	0.0250		**< 0.0250**	mg/L	5	02/13/2024 12:35	218539
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	02/13/2024 1:11	218539
Chromium	NELAP	0.0007	0.0015	J	**0.0009**	mg/L	5	02/13/2024 12:35	218539
Cobalt	NELAP	0.0001	0.0010		**< 0.0010**	mg/L	5	02/13/2024 12:35	218539
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	02/13/2024 1:11	218539
Lithium	*	0.0015	0.0030		**< 0.0030**	mg/L	5	02/13/2024 12:35	218539
Molybdenum	NELAP	0.0006	0.0015	J	**0.0006**	mg/L	5	02/13/2024 1:11	218539
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	02/13/2024 1:11	218539
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	02/23/2024 22:16	219088
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020	J	**0.00019**	mg/L	1	02/12/2024 10:58	218551

Laboratory Results

Client: Ramboll **Work Order:** 24011852

Client Project: BAL-24Q1 **Report Date:** 29-Feb-24

Lab ID: 24011852-044 **Client Sample ID:** MW-304 Duplicate

Matrix: GROUNDWATER **Collection Date:** 02/05/2024 12:54

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**9.52**	ft	1	02/05/2024 12:54	R342943
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**6.8**	NTU	1	02/05/2024 12:54	R342943
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**92**	mV	1	02/05/2024 12:54	R342943
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**2280**	µS/cm	1	02/05/2024 12:54	R342943
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**14.8**	°C	1	02/05/2024 12:54	R342943
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.51**	mg/L	1	02/05/2024 12:54	R342943
SW-846 9040B FIELD									
pH	*	0	1.00		**7.70**		1	02/05/2024 12:54	R342943
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**848**	mg/L	1	02/07/2024 10:09	R342763
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	02/07/2024 10:09	R342763
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**1420**	mg/L	1	02/06/2024 15:08	R342760
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**192**	mg/L	10	02/07/2024 11:04	R342767
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**1.77**	mg/L	1	02/07/2024 11:15	R342758
SW-846 9251 (TOTAL)									
Chloride	NELAP	5	40		**158**	mg/L	10	02/07/2024 11:04	R342770
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.350	1.00		**11.9**	mg/L	10	02/09/2024 16:06	218349
Magnesium	NELAP	0.0550	0.500		**4.59**	mg/L	10	02/09/2024 16:06	218349
Potassium	NELAP	0.0400	0.100		**2.23**	mg/L	1	02/08/2024 15:42	218349
Sodium	NELAP	0.180	0.500	S	**565**	mg/L	10	02/09/2024 16:06	218349
Matrix spike control limits are not applicable due to high sample/spike ratio.									
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	02/08/2024 4:21	218349
Arsenic	NELAP	0.0004	0.0010		**0.0043**	mg/L	5	02/08/2024 4:21	218349
Barium	NELAP	0.0007	0.0010		**0.0281**	mg/L	5	02/08/2024 4:21	218349
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	02/08/2024 4:21	218349
Boron	NELAP	0.0092	0.0250		**1.56**	mg/L	5	02/08/2024 23:38	218349
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	02/08/2024 4:21	218349
Chromium	NELAP	0.0007	0.0015		**< 0.0015**	mg/L	5	02/08/2024 4:21	218349
Cobalt	NELAP	0.0001	0.0010		**< 0.0010**	mg/L	5	02/08/2024 4:21	218349
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	02/08/2024 4:21	218349
Lithium	*	0.0015	0.0030		**0.0765**	mg/L	5	02/08/2024 23:38	218349
Molybdenum	NELAP	0.0006	0.0015	J	**0.0006**	mg/L	5	02/09/2024 18:24	218349
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	02/08/2024 4:21	218349
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	02/12/2024 10:26	218349

Laboratory Results

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

Client: Ramboll **Work Order:** 24011852

Client Project: BAL-24Q1 **Report Date:** 29-Feb-24

Lab ID: 24011852-044 **Client Sample ID:** MW-304 Duplicate

Matrix: GROUNDWATER **Collection Date:** 02/05/2024 12:54

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	02/08/2024 11:31	218405

Laboratory Results

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

Client: Ramboll **Work Order:** 24011852

Client Project: BAL-24Q1 **Report Date:** 29-Feb-24

Lab ID: 24011852-045 **Client Sample ID:** Equipment Blank 1

Matrix: AQUEOUS **Collection Date:** 02/08/2024 10:42

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	02/09/2024 11:20	R342848
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	02/09/2024 11:20	R342848
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**20**	mg/L	1	02/09/2024 13:06	R342937
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10		**< 10**	mg/L	1	02/13/2024 11:01	R342992
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**< 0.10**	mg/L	1	02/09/2024 11:34	R342864
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**< 4**	mg/L	1	02/13/2024 11:01	R342995
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.10	J	**0.058**	mg/L	1	02/12/2024 9:24	218539
Magnesium	NELAP	0.0055	0.050	J	**0.019**	mg/L	1	02/12/2024 9:24	218539
Potassium	NELAP	0.0400	0.100		**< 0.100**	mg/L	1	02/12/2024 9:24	218539
Sodium	NELAP	0.018	0.050	J	**0.037**	mg/L	1	02/12/2024 9:24	218539
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	02/13/2024 0:13	218539
Arsenic	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	02/13/2024 0:13	218539
Barium	NELAP	0.0007	0.0010		**< 0.0010**	mg/L	5	02/13/2024 0:13	218539
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	02/13/2024 0:13	218539
Boron	NELAP	0.0092	0.0250		**< 0.0250**	mg/L	5	02/13/2024 11:31	218539
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	02/13/2024 0:13	218539
Chromium	NELAP	0.0009	0.0015	J	**0.0010**	mg/L	5	02/13/2024 0:13	218539
Cobalt	NELAP	0.0001	0.0010		**< 0.0010**	mg/L	5	02/13/2024 0:13	218539
Lead	NELAP	0.0006	0.0010		**0.0043**	mg/L	5	02/13/2024 0:13	218539
Lithium	*	0.0015	0.0030		**< 0.0030**	mg/L	5	02/13/2024 11:31	218539
Molybdenum	NELAP	0.0006	0.0015		**< 0.0015**	mg/L	5	02/13/2024 0:13	218539
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	02/13/2024 0:13	218539
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	02/13/2024 11:31	218539
CCV recovered outside the upper control limits for Tl. Sample results are below the reporting limit. Data is reportable per the TNI standard.									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020	J	**0.00007**	mg/L	1	02/12/2024 11:00	218551

Teklab, Inc. Environmental Laboratory

Sample Summary

Client: Ramboll
Client Project: BAL-24Q1

Work Order: 24011852
Report Date: 29-Feb-24

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
24011852-009	MW-192	Groundwater	2	02/06/2024 10:18
24011852-010	MW-193	Groundwater	2	02/06/2024 12:28
24011852-013	MW-304	Groundwater	4	02/05/2024 12:54
24011852-014	MW-306	Groundwater	4	02/07/2024 9:29
24011852-018	MW-356	Groundwater	2	02/07/2024 9:32
24011852-019	MW-358	Groundwater	2	02/06/2024 15:22
24011852-021	MW-369	Groundwater	2	02/06/2024 10:52
24011852-022	MW-370	Groundwater	2	02/06/2024 9:41
24011852-025	MW-382	Groundwater	2	02/06/2024 12:08
24011852-030	MW-392	Groundwater	2	02/06/2024 11:20
24011852-031	MW-393	Groundwater	2	02/06/2024 13:15
24011852-032	MW-394	Groundwater	2	02/06/2024 14:16
24011852-035	OW-256	Groundwater	2	02/07/2024 10:06
24011852-036	OW-257	Groundwater	2	02/06/2024 10:14
24011852-037	PZ-170	Groundwater	2	02/06/2024 9:24
24011852-038	PZ-182	Groundwater	2	02/06/2024 12:37
24011852-039	TPZ-164	Groundwater	2	02/05/2024 0:00
24011852-040	XPW01	Groundwater	2	02/08/2024 9:06
24011852-041	XPW05	Groundwater	2	02/05/2024 0:00
24011852-042	XPW06	Groundwater	2	02/06/2024 11:23
24011852-043	Field Blank	Aqueous	4	02/08/2024 10:36
24011852-044	MW-304 Duplicate	Groundwater	4	02/05/2024 12:54
24011852-045	Equipment Blank 1	Aqueous	4	02/08/2024 10:42

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24011852

Client Project: BAL-24Q1 **Report Date:** 29-Feb-24

STANDARD METHODS 2510 B FIELD

Batch R342943 **SampType:** LCS Units **µS/cm**
SampID: LCS-R342943-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1420**	1412	0	100.3	90	110	02/06/2024

Batch R342943 **SampType:** LCS Units **µS/cm**
SampID: LCS-R342943-2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	100.1	90	110	02/07/2024

Batch R342943 **SampType:** LCS Units **µS/cm**
SampID: LCS-R342943-3

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	02/08/2024

Batch R342943 **SampType:** LCS Units **µS/cm**
SampID: LCS-R342943-4

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1420**	1412	0	100.4	90	110	02/09/2024

Batch R342943 **SampType:** LCS Units **µS/cm**
SampID: LCS-R342943-5

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1400**	1412	0	99.5	90	110	02/05/2024

Batch R342943 **SampType:** LCS Units **µS/cm**
SampID: LCS-R342943-6

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	100.0	90	110	02/06/2024

Batch R342943 **SampType:** LCS Units **µS/cm**
SampID: LCS-R342943-7

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	99.9	90	110	02/07/2024

Batch R342943 **SampType:** LCS Units **µS/cm**
SampID: LCS-R342943-8

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	99.9	90	110	02/08/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24011852

Client Project: BAL-24Q1 **Report Date:** 29-Feb-24

SW-846 9040B FIELD

Batch R342943 **SampType:** LCS Units

SampID: LCS-R342943-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.02**	7.000	0	100.3	98.57	101.4	02/06/2024

Batch R342943 **SampType:** LCS Units

SampID: LCS-R342943-2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.01**	7.000	0	100.1	98.57	101.4	02/07/2024

Batch R342943 **SampType:** LCS Units

SampID: LCS-R342943-3

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.02**	7.000	0	100.3	98.57	101.4	02/08/2024

Batch R342943 **SampType:** LCS Units

SampID: LCS-R342943-4

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.02**	7.000	0	100.3	98.57	101.4	02/09/2024

Batch R342943 **SampType:** LCS Units

SampID: LCS-R342943-5

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.08**	7.000	0	101.1	98.57	101.4	02/05/2024

Batch R342943 **SampType:** LCS Units

SampID: LCS-R342943-6

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.09**	7.000	0	101.3	98.57	101.4	02/06/2024

Batch R342943 **SampType:** LCS Units

SampID: LCS-R342943-7

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.09**	7.000	0	101.3	98.57	101.4	02/07/2024

Batch R342943 **SampType:** LCS Units

SampID: LCS-R342943-8

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.09**	7.000	0	101.3	98.57	101.4	02/08/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24011852

Client Project: BAL-24Q1 **Report Date:** 29-Feb-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R342760 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	02/06/2024
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	02/06/2024

Batch R342760 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**936**	1000	0	93.6	90	110	02/06/2024
Total Dissolved Solids		20		**934**	1000	0	93.4	90	110	02/06/2024

Batch R342760 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24011852-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**608**				610.0	0.33	02/06/2024

Batch R342760 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24020221-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**2940**				2932	0.20	02/06/2024

Batch R342824 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	02/07/2024
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	02/07/2024

Batch R342824 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**948**	1000	0	94.8	90	110	02/07/2024
Total Dissolved Solids		20		**966**	1000	0	96.6	90	110	02/07/2024

Batch R342824 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24020179-001BDUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		50		**475**				515.0	8.08	02/07/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24011852

Client Project: BAL-24Q1 **Report Date:** 29-Feb-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R342824 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24020406-003BDUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**180**				174.0	3.39	02/07/2024

Batch R342824 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24020446-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		50		**2560**				2550	0.39	02/07/2024

Batch R342937 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	02/09/2024
Total Dissolved Solids		20	J	**16**	16.00	0	100.0	-100	100	02/09/2024
Total Dissolved Solids		20	J	**16**	16.00	0	100.0	-100	100	02/09/2024

Batch R342937 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**952**	1000	0	95.2	90	110	02/09/2024
Total Dissolved Solids		20		**956**	1000	0	95.6	90	110	02/09/2024
Total Dissolved Solids		20		**918**	1000	0	91.8	90	110	02/09/2024

Batch R342937 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24011852-012ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**404**				410.0	1.47	02/09/2024

Batch R342937 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24011852-035ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**502**				492.0	2.01	02/09/2024

Batch R342937 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24020602-010ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		50		**325**				330.0	1.53	02/09/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24011852

Client Project: BAL-24Q1 **Report Date:** 29-Feb-24

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

Batch R342698 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**< 0.05**	0.0250	0	0	-100	100	02/06/2024

Batch R342698 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.31**	0.3045	0	100.8	90	110	02/06/2024

Batch R342698 **SampType:** MS Units **mg/L**
SampID: 24020311-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.55**	0.5000	0	110.8	85	115	02/06/2024

Batch R342698 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24020311-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.55**	0.5000	0	109.8	0.5540	0.91	02/06/2024

Batch R342698 **SampType:** MS Units **mg/L**
SampID: 24020311-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.56**	0.5000	0	111.6	85	115	02/06/2024

Batch R342698 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24020311-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.56**	0.5000	0	111.4	0.5580	0.18	02/06/2024

Batch R342825 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**< 0.05**	0.0250	0	0	-100	100	02/08/2024
Nitrogen, Nitrite (as N)		0.05		**< 0.05**	0.0250	0	0	-100	100	02/08/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24011852

Client Project: BAL-24Q1 **Report Date:** 29-Feb-24

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

Batch R342825 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.32**	0.3045	0	106.1	90	110	02/08/2024
Nitrogen, Nitrite (as N)		0.05		**0.32**	0.3045	0	106.1	90	110	02/08/2024

Batch R342825 **SampType:** MS Units **mg/L**
SampID: 24011865-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05	S	**0.63**	0.5000	0	125.6	85	115	02/08/2024

Batch R342825 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24011865-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05	S	**0.62**	0.5000	0	124.4	0.6280	0.96	02/08/2024

Batch R342825 **SampType:** MS Units **mg/L**
SampID: 24011865-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05	S	**0.62**	0.5000	0	123.4	85	115	02/08/2024

Batch R342825 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24011865-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05	S	**0.62**	0.5000	0	123.6	0.6170	0.16	02/08/2024

Batch R342825 **SampType:** MS Units **mg/L**
SampID: 24011865-003BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05	S	**0.60**	0.5000	0	120.6	85	115	02/08/2024

Batch R342825 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24011865-003BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05	S	**0.60**	0.5000	0	119.8	0	0.00	02/08/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24011852

Client Project: BAL-24Q1 **Report Date:** 29-Feb-24

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

Batch R342825 **SampType:** MS Units **mg/L**
SampID: 24020665-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.50**	0.5000	0	100.8	85	115	02/08/2024

Batch R342825 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24020665-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.51**	0.5000	0	101.6	0.5040	0.79	02/08/2024

Batch R342877 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**< 0.05**	0.0250	0	0	-100	100	02/09/2024
Nitrogen, Nitrite (as N)		0.05		**< 0.05**	0.0250	0	0	-100	100	02/09/2024

Batch R342877 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.32**	0.3045	0	104.1	90	110	02/09/2024
Nitrogen, Nitrite (as N)		0.05		**0.32**	0.3045	0	105.4	90	110	02/09/2024

Batch R342877 **SampType:** MS Units **mg/L**
SampID: 24011852-006AMS

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	91.6	85	115	02/09/2024

Batch R342877 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24011852-006AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.45**	0.5000	0	90.4	0.4580	1.32	02/09/2024

Batch R342877 **SampType:** MS Units **mg/L**
SampID: 24020697-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.51**	0.5000	0.009000	99.8	85	115	02/09/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24011852

Client Project: BAL-24Q1 **Report Date:** 29-Feb-24

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

Batch R342877 **SampType:** MSD Units **mg/L** RPD Limit **10**

SampID: 24020697-001BMSD

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	0.009000	99.8	0.5080	0.00	02/09/2024

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

Batch R342706 **SampType:** MBLK Units **mg/L**

SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate (as N)		0.050		**< 0.050**						02/06/2024
Nitrogen, Nitrate-Nitrite (as N)		0.050		**< 0.050**	0.0090	0	0	-100	100	02/06/2024

Batch R342706 **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		**0.519**	0.5000	0	103.8	90	110	02/06/2024

Batch R342706 **SampType:** MS Units **mg/L**

SampID: 24011852-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050	S	**0.209**	0.2500	0	83.6	85	115	02/06/2024

Batch R342706 **SampType:** MSD Units **mg/L** RPD Limit **10**

SampID: 24011852-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.216**	0.2500	0	86.4	0.2090	3.29	02/06/2024

Batch R342706 **SampType:** MS Units **mg/L**

SampID: 24020161-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.250		**1.81**	1.250	0.5930	97.0	90	110	02/06/2024

Batch R342706 **SampType:** MSD Units **mg/L** RPD Limit **10**

SampID: 24020161-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.250		**1.82**	1.250	0.5930	98.5	1.806	0.99	02/06/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24011852

Client Project: BAL-24Q1 **Report Date:** 29-Feb-24

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

Batch R342706 **SampType:** MS Units **mg/L**
SampID: 24020286-003CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.100		**1.47**	0.5000	0.9780	97.8	90	110	02/06/2024

Batch R342706 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24020286-003CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.100		**1.48**	0.5000	0.9780	100.0	1.467	0.75	02/06/2024

Batch R342706 **SampType:** MS Units **mg/L**
SampID: 24020311-004BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050	S	**0.266**	0.2500	0.08600	72.0	85	115	02/06/2024

Batch R342706 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24020311-004BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050	R	**0.316**	0.2500	0.08600	92.0	0.2660	17.18	02/06/2024

Batch R342831 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate (as N)		0.050		**< 0.050**						02/08/2024
Nitrogen, Nitrate-Nitrite (as N)		0.050		**< 0.050**	0.0090	0	0	-100	100	02/08/2024

Batch R342831 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.520**	0.5000	0	104.0	90	110	02/08/2024

Batch R342831 **SampType:** MS Units **mg/L**
SampID: 24011852-016AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.321**	0.2500	0.09500	90.4	85	115	02/08/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24011852

Client Project: BAL-24Q1 **Report Date:** 29-Feb-24

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

Batch R342831 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24011852-016AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.319**	0.2500	0.09500	89.6	0.3210	0.63	02/08/2024

Batch R342831 **SampType:** MS Units **mg/L**
SampID: 24011865-007BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.262**	0.2500	0.03500	90.8	85	115	02/08/2024

Batch R342831 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24011865-007BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.264**	0.2500	0.03500	91.6	0.2620	0.76	02/08/2024

Batch R342831 **SampType:** MS Units **mg/L**
SampID: 24020446-001DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.500		**2.45**	2.500	0.1680	91.1	90	110	02/08/2024

Batch R342831 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24020446-001DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.500	S	**2.36**	2.500	0.1680	87.7	2.446	3.58	02/08/2024

Batch R342831 **SampType:** MS Units **mg/L**
SampID: 24020536-004AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.500		**6.14**	2.500	3.884	90.2	90	110	02/08/2024

Batch R342831 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24020536-004AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.500		**6.18**	2.500	3.884	91.7	6.139	0.60	02/08/2024

Batch R342831 **SampType:** MS Units **mg/L**
SampID: 24020558-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		**10.4**	5.000	5.860	90.6	90	110	02/08/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24011852

Client Project: BAL-24Q1 **Report Date:** 29-Feb-24

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

Batch R342831 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24020558-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		**10.4**	5.000	5.860	90.3	10.39	0.16	02/08/2024

Batch R342831 **SampType:** MS Units **mg/L**
SampID: 24020644-006BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.250		**3.93**	1.250	2.625	104.2	85	115	02/08/2024

Batch R342831 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24020644-006BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.250		**3.86**	1.250	2.625	99.0	3.927	1.64	02/08/2024

Batch R342906 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate (as N)		0.050		**< 0.050**						02/09/2024
Nitrogen, Nitrate-Nitrite (as N)		0.050		**< 0.050**	0.0090	0	0	-100	100	02/09/2024

Batch R342906 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.491**	0.5000	0	98.2	90	110	02/09/2024

Batch R342906 **SampType:** MS Units **mg/L**
SampID: 24020726-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		5.00		**42.6**	25.00	18.75	95.3	90	110	02/09/2024

Batch R342906 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24020726-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		5.00		**41.7**	25.00	18.75	91.7	42.57	2.14	02/09/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24011852

Client Project: BAL-24Q1 **Report Date:** 29-Feb-24

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

Batch R342906 **SampType:** MS Units **mg/L**
SampID: 24020762-019BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.228**	0.2500	0	91.2	85	115	02/09/2024

Batch R342906 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24020762-019BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.234**	0.2500	0	93.6	0.2280	2.60	02/09/2024

SW-846 9036 (DISSOLVED)

Batch R342767 **SampType:** MS Units **mg/L**
SampID: 24011852-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50		**244**	100.0	151.4	92.8	85	115	02/07/2024

Batch R342767 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24011852-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		50		**241**	100.0	151.4	90.1	244.2	1.13	02/07/2024

Batch R342832 **SampType:** MS Units **mg/L**
SampID: 24020311-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		100		**346**	200.0	162.5	91.6	85	115	02/08/2024

Batch R342832 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24020311-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		100		**353**	200.0	162.5	95.2	345.7	2.09	02/08/2024

Batch R342832 **SampType:** MS Units **mg/L**
SampID: 24020311-003BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50		**197**	100.0	97.47	99.9	85	115	02/08/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24011852

Client Project: BAL-24Q1 **Report Date:** 29-Feb-24

SW-846 9036 (DISSOLVED)

Batch R342832 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24020311-003BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		50		**198**	100.0	97.47	100.8	197.4	0.43	02/08/2024

Batch R342903 **SampType:** MS Units **mg/L**
SampID: 24020644-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10	S	**20**	20.00	6.880	67.6	85	115	02/09/2024

Batch R342903 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24020644-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10	S	**21**	20.00	6.880	68.7	20.40	1.07	02/09/2024

Batch R342992 **SampType:** MS Units **mg/L**
SampID: 24011852-012BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		100		**372**	200.0	192.2	89.8	85	115	02/13/2024

Batch R342992 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24011852-012BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		100		**376**	200.0	192.2	92.1	371.7	1.27	02/13/2024

Batch R342992 **SampType:** MS Units **mg/L**
SampID: 24020762-012BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50		**241**	100.0	146.7	94.3	85	115	02/13/2024

Batch R342992 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24020762-012BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		50		**247**	100.0	146.7	99.8	241.0	2.27	02/13/2024

Batch R342992 **SampType:** MS Units **mg/L**
SampID: 24020762-017BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**45**	20.00	25.79	96.0	85	115	02/13/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24011852

Client Project: BAL-24Q1 **Report Date:** 29-Feb-24

SW-846 9036 (DISSOLVED)

Batch R342992 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24020762-017BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10		**46**	20.00	25.79	99.8	44.98	1.72	02/13/2024

Batch R342992 **SampType:** MS Units **mg/L**
SampID: 24020763-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		100	S	**419**	200.0	251.9	83.7	85	115	02/13/2024

Batch R342992 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24020763-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		100		**423**	200.0	251.9	85.6	419.3	0.89	02/13/2024

Batch R342992 **SampType:** MS Units **mg/L**
SampID: 24020763-005BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**34**	20.00	16.14	88.3	85	115	02/13/2024

Batch R342992 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24020763-005BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10		**34**	20.00	16.14	88.5	33.80	0.12	02/13/2024

SW-846 9036 (TOTAL)

Batch R342767 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**< 10**	6.140	0	0	-100	100	02/07/2024

Batch R342767 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**20**	20.00	0	98.1	90	110	02/07/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24011852

Client Project: BAL-24Q1 **Report Date:** 29-Feb-24

SW-846 9036 (TOTAL)

Batch R342767 **SampType:** MS Units **mg/L**
SampID: 24011852-009AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**33**	20.00	14.68	89.4	85	115	02/07/2024

Batch R342767 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24011852-009AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10		**32**	20.00	14.68	87.8	32.56	0.99	02/07/2024

Batch R342767 **SampType:** MS Units **mg/L**
SampID: 24011852-031AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		100		**390**	200.0	206.4	91.8	85	115	02/07/2024

Batch R342767 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24011852-031AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		100		**384**	200.0	206.4	89.0	390.0	1.43	02/07/2024

Batch R342767 **SampType:** MS Units **mg/L**
SampID: 24020269-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		20		**82**	40.00	45.68	91.0	90	110	02/07/2024

Batch R342767 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24020269-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		20		**83**	40.00	45.68	94.5	82.09	1.68	02/07/2024

Batch R342832 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**< 10**	6.140	0	0	-100	100	02/08/2024

Batch R342832 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**21**	20.00	0	106.2	90	110	02/08/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24011852

Client Project: BAL-24Q1 **Report Date:** 29-Feb-24

SW-846 9036 (TOTAL)

Batch R342832 **SampType:** MS Units **mg/L**
SampID: 24011852-004AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50		**222**	100.0	129.7	92.4	85	115	02/08/2024

Batch R342832 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24011852-004AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		50		**226**	100.0	129.7	96.2	222.1	1.74	02/08/2024

Batch R342832 **SampType:** MS Units **mg/L**
SampID: 24020406-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		200		**663**	400.0	288.2	93.6	90	110	02/08/2024

Batch R342832 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24020406-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		200		**653**	400.0	288.2	91.2	662.5	1.42	02/08/2024

Batch R342903 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**< 10**	6.140	0	0	-100	100	02/09/2024

Batch R342903 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**20**	20.00	0	98.5	90	110	02/09/2024

Batch R342903 **SampType:** MS Units **mg/L**
SampID: 24020602-008AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		20		**79**	40.00	40.06	96.4	90	110	02/09/2024

Batch R342903 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24020602-008AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		20		**80**	40.00	40.06	100.7	78.61	2.16	02/09/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24011852

Client Project: BAL-24Q1 **Report Date:** 29-Feb-24

SW-846 9036 (TOTAL)

Batch R342903 **SampType:** MS Units **mg/L**
SampID: 24020602-010AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**49**	20.00	30.13	93.4	90	110	02/09/2024

Batch R342903 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24020602-010AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10		**48**	20.00	30.13	91.0	48.82	1.03	02/09/2024

Batch R342992 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**< 10**	6.140	0	0	-100	100	02/13/2024

Batch R342992 **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	96.2	90	110	02/13/2024

Batch R342992 **SampType:** MS Units **mg/L**
SampID: 24020782-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		2000		**9040**	4000	4743	107.4	90	110	02/13/2024

Batch R342992 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24020782-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		2000		**8500**	4000	4743	93.9	9038	6.16	02/13/2024

Batch R342992 **SampType:** MS Units **mg/L**
SampID: 24020894-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**48**	20.00	29.98	91.4	90	110	02/13/2024

Batch R342992 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24020894-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10		**48**	20.00	29.98	92.5	48.25	0.48	02/13/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24011852

Client Project: BAL-24Q1 **Report Date:** 29-Feb-24

SW-846 9214 (TOTAL)

Batch R342758 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**< 0.10**	0.0500	0	0	-100	100	02/07/2024

Batch R342758 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**0.99**	1.000	0	99.0	90	110	02/07/2024

Batch R342758 **SampType:** MS Units **mg/L**
SampID: 24010118-003AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.15**	2.000	0.05500	104.8	75	125	02/07/2024

Batch R342758 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24010118-003AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.18**	2.000	0.05500	106.3	2.151	1.39	02/07/2024

Batch R342758 **SampType:** MS Units **mg/L**
SampID: 24011852-026AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.97**	2.000	0.8320	107.0	75	125	02/07/2024

Batch R342758 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24011852-026AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.87**	2.000	0.8320	101.8	2.972	3.56	02/07/2024

Batch R342758 **SampType:** MS Units **mg/L**
SampID: 24011852-038AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.18**	2.000	0.1550	101.1	75	125	02/07/2024

Batch R342758 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24011852-038AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.17**	2.000	0.1550	100.8	2.177	0.23	02/07/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24011852

Client Project: BAL-24Q1 **Report Date:** 29-Feb-24

SW-846 9214 (TOTAL)

Batch R342758 **SampType:** MS Units **mg/L**
SampID: 24020177-004BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.70**	2.000	0.4280	113.5	75	125	02/07/2024

Batch R342758 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24020177-004BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.58**	2.000	0.4280	107.4	2.698	4.67	02/07/2024

Batch R342758 **SampType:** MS Units **mg/L**
SampID: 24020177-007BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.31**	2.000	0.2320	103.8	75	125	02/07/2024

Batch R342758 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24020177-007BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.41**	2.000	0.2320	108.9	2.309	4.28	02/07/2024

Batch R342758 **SampType:** MS Units **mg/L**
SampID: 24020179-005BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.56**	2.000	0.4240	106.7	75	125	02/07/2024

Batch R342758 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24020179-005BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.58**	2.000	0.4240	107.8	2.558	0.82	02/07/2024

Batch R342758 **SampType:** MS Units **mg/L**
SampID: 24020239-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.83**	2.000	0.6130	111.0	75	125	02/07/2024

Batch R342758 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24020239-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.80**	2.000	0.6130	109.6	2.834	1.03	02/07/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24011852

Client Project: BAL-24Q1 **Report Date:** 29-Feb-24

SW-846 9214 (TOTAL)

Batch R342811 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**< 0.10**	0.0500	0	0	-100	100	02/08/2024

Batch R342811 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**0.96**	1.000	0	96.3	90	110	02/08/2024

Batch R342811 **SampType:** MS Units **mg/L**
SampID: 24011852-011AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.20**	2.000	0.2140	99.2	75	125	02/08/2024

Batch R342811 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24011852-011AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.22**	2.000	0.2140	100.6	2.197	1.27	02/08/2024

Batch R342811 **SampType:** MS Units **mg/L**
SampID: 24011852-035AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.17**	2.000	0.2490	96.3	75	125	02/08/2024

Batch R342811 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24011852-035AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.32**	2.000	0.2490	103.8	2.174	6.67	02/08/2024

Batch R342811 **SampType:** MS Units **mg/L**
SampID: 24020474-004AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		1.00		**39.0**	20.00	18.25	104.0	75	125	02/08/2024

Batch R342811 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24020474-004AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		1.00		**36.2**	20.00	18.25	89.8	39.05	7.52	02/08/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24011852

Client Project: BAL-24Q1 **Report Date:** 29-Feb-24

SW-846 9214 (TOTAL)

Batch R342811 **SampType:** MS Units **mg/L**
SampID: 24020526-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.36**	2.000	0.3520	100.6	75	125	02/08/2024

Batch R342811 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24020526-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.44**	2.000	0.3520	104.4	2.364	3.20	02/08/2024

Batch R342864 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**< 0.10**	0.0500	0	0	-100	100	02/09/2024

Batch R342864 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**1.03**	1.000	0	103.2	90	110	02/09/2024

Batch R342864 **SampType:** MS Units **mg/L**
SampID: 24011852-040AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.70**	2.000	0.5270	108.9	75	125	02/09/2024

Batch R342864 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24011852-040AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.63**	2.000	0.5270	105.3	2.705	2.70	02/09/2024

Batch R342864 **SampType:** MS Units **mg/L**
SampID: 24020644-004BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.54**	2.000	0.3720	108.4	75	125	02/09/2024

Batch R342864 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24020644-004BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.53**	2.000	0.3720	108.0	2.540	0.32	02/09/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24011852

Client Project: BAL-24Q1 **Report Date:** 29-Feb-24

SW-846 9214 (TOTAL)

Batch R342864 **SampType:** MS Units **mg/L**
SampID: 24020644-010BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.42**	2.000	0.3220	105.0	75	125	02/09/2024

Batch R342864 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24020644-010BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.32**	2.000	0.3220	99.9	2.422	4.30	02/09/2024

SW-846 9251 (DISSOLVED)

Batch R342770 **SampType:** MS Units **mg/L**
SampID: 24011852-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**31**	20.00	12.55	90.4	85	115	02/07/2024

Batch R342770 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24011852-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**30**	20.00	12.55	89.4	30.63	0.69	02/07/2024

Batch R342770 **SampType:** MS Units **mg/L**
SampID: 24020311-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		20		**114**	100.0	20.99	92.8	85	115	02/07/2024

Batch R342770 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24020311-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		20		**116**	100.0	20.99	94.7	113.8	1.67	02/07/2024

Batch R342770 **SampType:** MS Units **mg/L**
SampID: 24020311-003BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**21**	20.00	2.010	92.7	85	115	02/07/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24011852

Client Project: BAL-24Q1 **Report Date:** 29-Feb-24

SW-846 9251 (DISSOLVED)

Batch R342770 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24020311-003BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**21**	20.00	2.010	93.4	20.55	0.68	02/07/2024

Batch R342904 **SampType:** MS Units **mg/L**
SampID: 24011852-012BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**39**	20.00	21.40	86.8	85	115	02/09/2024

Batch R342904 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24011852-012BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**39**	20.00	21.40	87.8	38.77	0.49	02/09/2024

Batch R342904 **SampType:** MS Units **mg/L**
SampID: 24020644-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**30**	20.00	11.79	92.6	85	115	02/09/2024

Batch R342904 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24020644-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**31**	20.00	11.79	93.6	30.31	0.69	02/09/2024

Batch R342995 **SampType:** MS Units **mg/L**
SampID: 24020762-012BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		20		**166**	100.0	74.82	90.9	85	115	02/13/2024

Batch R342995 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24020762-012BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		20		**168**	100.0	74.82	93.7	165.8	1.63	02/13/2024

Batch R342995 **SampType:** MS Units **mg/L**
SampID: 24020762-017BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**27**	20.00	8.370	95.1	85	115	02/13/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24011852

Client Project: BAL-24Q1 **Report Date:** 29-Feb-24

SW-846 9251 (DISSOLVED)

Batch R342995 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24020762-017BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**28**	20.00	8.370	96.7	27.38	1.20	02/13/2024

Batch R342995 **SampType:** MS Units **mg/L**
SampID: 24020763-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		20		**176**	100.0	83.71	92.2	85	115	02/13/2024

Batch R342995 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24020763-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		20		**171**	100.0	83.71	87.4	175.9	2.74	02/13/2024

Batch R342995 **SampType:** MS Units **mg/L**
SampID: 24020763-005BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**30**	20.00	11.28	94.7	85	115	02/13/2024

Batch R342995 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24020763-005BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**30**	20.00	11.28	94.7	30.22	0.00	02/13/2024

SW-846 9251 (TOTAL)

Batch R342770 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**< 4**	0.5000	0	0	-100	100	02/07/2024

Batch R342770 **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	101.6	90	110	02/07/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24011852

Client Project: BAL-24Q1 **Report Date:** 29-Feb-24

SW-846 9251 (TOTAL)

Batch R342770 **SampType:** MS Units **mg/L**
SampID: 24011852-009AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**38**	20.00	20.36	87.7	85	115	02/07/2024

Batch R342770 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24011852-009AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**38**	20.00	20.36	86.0	37.90	0.93	02/07/2024

Batch R342770 **SampType:** MS Units **mg/L**
SampID: 24020406-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		40		**273**	200.0	95.39	88.6	85	115	02/07/2024

Batch R342770 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24020406-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		40		**276**	200.0	95.39	90.2	272.6	1.19	02/07/2024

Batch R342839 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**< 4**	0.5000	0	0	-100	100	02/09/2024

Batch R342839 **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	02/09/2024

Batch R342839 **SampType:** MS Units **mg/L**
SampID: 24011852-004AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4	E	**64**	20.00	43.57	100.8	85	115	02/09/2024

Batch R342839 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24011852-004AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4	E	**62**	20.00	43.57	90.8	63.73	3.19	02/09/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24011852

Client Project: BAL-24Q1 **Report Date:** 29-Feb-24

SW-846 9251 (TOTAL)

Batch R342839 **SampType:** MS Units **mg/L**
SampID: 24011852-031AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		200		**1630**	1000	740.6	89.3	85	115	02/09/2024

Batch R342839 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24011852-031AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		200		**1610**	1000	740.6	87.4	1634	1.14	02/09/2024

Batch R342839 **SampType:** MS Units **mg/L**
SampID: 24020269-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		20		**143**	100.0	44.90	98.2	85	115	02/09/2024

Batch R342839 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24020269-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		20		**139**	100.0	44.90	94.5	143.2	2.63	02/09/2024

Batch R342904 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**< 4**	0.5000	0	0	-100	100	02/09/2024

Batch R342904 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**21**	20.00	0	104.7	90	110	02/09/2024

Batch R342904 **SampType:** MS Units **mg/L**
SampID: 24020602-008AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		8		**94**	40.00	58.30	90.2	85	115	02/09/2024

Batch R342904 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24020602-008AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		8		**96**	40.00	58.30	93.8	94.37	1.50	02/09/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24011852

Client Project: BAL-24Q1 **Report Date:** 29-Feb-24

SW-846 9251 (TOTAL)

Batch R342904 **SampType:** MS Units **mg/L**
SampID: 24020602-010AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**23**	20.00	3.900	95.8	85	115	02/09/2024

Batch R342904 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24020602-010AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**23**	20.00	3.900	94.8	23.07	0.96	02/09/2024

Batch R342995 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**< 4**	0.5000	0	0	-100	100	02/13/2024

Batch R342995 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**21**	20.00	0	102.8	90	110	02/13/2024

Batch R342995 **SampType:** MS Units **mg/L**
SampID: 24020782-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		2000		**18800**	10000	10250	85.7	85	115	02/13/2024

Batch R342995 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24020782-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		2000	S	**18700**	10000	10250	84.9	18820	0.40	02/13/2024

Batch R342995 **SampType:** MS Units **mg/L**
SampID: 24020894-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4	E	**64**	20.00	46.43	85.6	85	115	02/13/2024

Batch R342995 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24020894-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4	E	**64**	20.00	46.43	86.0	63.56	0.11	02/13/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24011852

Client Project: BAL-24Q1 **Report Date:** 29-Feb-24

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 218349 **SampType:** MBLK Units **mg/L**
SampID: MBLK-218349

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	02/07/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	02/08/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	02/07/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	02/07/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	02/07/2024

Batch 218349 **SampType:** LCS Units **mg/L**
SampID: LCS-218349

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.49**	2.500	0	99.6	85	115	02/07/2024
Magnesium		0.0500		**2.35**	2.500	0	93.8	85	115	02/07/2024
Magnesium		0.0500		**2.40**	2.500	0	96.1	85	115	02/08/2024
Potassium		0.100		**2.63**	2.500	0	105.1	85	115	02/07/2024
Sodium		0.0500		**2.51**	2.500	0	100.2	85	115	02/07/2024

Batch 218349 **SampType:** MS Units **mg/L**
SampID: 24011852-044CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		1.00		**14.4**	2.500	11.86	100.7	75	125	02/09/2024
Magnesium		0.500		**7.04**	2.500	4.588	98.2	75	125	02/09/2024
Potassium		0.100		**5.02**	2.500	2.230	111.4	75	125	02/08/2024
Sodium		0.500	S	**562**	2.500	565.1	-116.0	75	125	02/09/2024

Batch 218349 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24011852-044CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		1.00		**14.4**	2.500	11.86	99.6	14.38	0.19	02/09/2024
Magnesium		0.500		**6.91**	2.500	4.588	92.8	7.044	1.96	02/09/2024
Potassium		0.100		**4.79**	2.500	2.230	102.2	5.015	4.69	02/08/2024
Sodium		0.500	S	**560**	2.500	565.1	-216.0	562.2	0.45	02/09/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24011852

Client Project: BAL-24Q1 **Report Date:** 29-Feb-24

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 218349 **SampType:** MS Units **mg/L**
SampID: 24020301-003BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**164**	2.500	156.0	312.4	75	125	02/09/2024
Iron		0.0400		**2.69**	2.000	0.5479	107.1	75	125	02/08/2024
Magnesium		0.0500		**36.7**	2.500	33.92	109.4	75	125	02/08/2024
Manganese		0.0070		**1.13**	0.5000	0.6126	103.6	75	125	02/08/2024

Batch 218349 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24020301-003BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**165**	2.500	156.0	370.8	163.8	0.89	02/09/2024
Iron		0.0400		**2.72**	2.000	0.5479	108.6	2.690	1.11	02/08/2024
Magnesium		0.0500	S	**37.2**	2.500	33.92	129.9	36.66	1.39	02/08/2024
Manganese		0.0070		**1.15**	0.5000	0.6126	106.5	1.131	1.27	02/08/2024

Batch 218407 **SampType:** MBLK Units **mg/L**
SampID: MBLK-218407

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	02/08/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	02/08/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	02/08/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	02/08/2024

Batch 218407 **SampType:** LCS Units **mg/L**
SampID: LCS-218407

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.54**	2.500	0	101.6	85	115	02/08/2024
Magnesium		0.0500		**2.37**	2.500	0	94.7	85	115	02/08/2024
Potassium		0.100		**2.67**	2.500	0	106.9	85	115	02/08/2024
Sodium		0.0500		**2.56**	2.500	0	102.4	85	115	02/08/2024

Batch 218407 **SampType:** MS Units **mg/L**
SampID: 24011852-009BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**73.6**	2.500	71.53	84.8	75	125	02/08/2024
Magnesium		0.0500		**33.6**	2.500	31.12	100.5	75	125	02/08/2024
Potassium		0.100		**3.27**	2.500	0.5674	107.9	75	125	02/08/2024
Sodium		0.0500		**55.1**	2.500	52.43	108.4	75	125	02/08/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24011852

Client Project: BAL-24Q1 **Report Date:** 29-Feb-24

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 218407 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 24011852-009BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**74.9**	2.500	71.53	134.0	73.65	1.66	02/08/2024
Magnesium		0.0500		**34.1**	2.500	31.12	119.1	33.64	1.38	02/08/2024
Potassium		0.100		**3.30**	2.500	0.5674	109.2	3.266	0.98	02/08/2024
Sodium		0.0500		**55.5**	2.500	52.43	124.4	55.14	0.72	02/08/2024

Batch 218407 **SampType:** MS Units **mg/L**

SampID: 24011852-042BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**92.4**	2.500	90.63	70.0	75	125	02/08/2024
Magnesium		0.0500		**35.1**	2.500	33.02	81.6	75	125	02/08/2024
Potassium		1.00		**20.5**	2.500	18.14	95.2	75	125	02/09/2024
Sodium		0.0500		**92.4**	2.500	89.96	95.6	75	125	02/08/2024

Batch 218407 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 24011852-042BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100		**92.6**	2.500	90.63	77.2	92.38	0.19	02/08/2024
Magnesium		0.0500		**35.3**	2.500	33.02	89.9	35.06	0.59	02/08/2024
Potassium		1.00		**20.4**	2.500	18.14	90.5	20.52	0.57	02/09/2024
Sodium		0.0500		**92.0**	2.500	89.96	83.2	92.35	0.34	02/08/2024

Batch 218457 **SampType:** MBLK Units **mg/L**

SampID: MBLK-218457

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	02/08/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	02/08/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	02/08/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	02/08/2024

Batch 218457 **SampType:** LCS Units **mg/L**

SampID: LCS-218457

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.42**	2.500	0	96.9	85	115	02/08/2024
Magnesium		0.0500		**2.31**	2.500	0	92.5	85	115	02/08/2024
Potassium		0.100		**2.52**	2.500	0	100.8	85	115	02/08/2024
Sodium		0.0500		**2.43**	2.500	0	97.2	85	115	02/08/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24011852

Client Project: BAL-24Q1 **Report Date:** 29-Feb-24

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 218485 **SampType:** MBLK Units **mg/L**
SampID: MBLK-218485

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	02/09/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	02/09/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	02/09/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	02/09/2024

Batch 218485 **SampType:** LCS Units **mg/L**
SampID: LCS-218485

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.45**	2.500	0	98.0	85	115	02/09/2024
Magnesium		0.0500		**2.31**	2.500	0	92.6	85	115	02/09/2024
Potassium		0.100		**2.63**	2.500	0	105.3	85	115	02/09/2024
Sodium		0.0500		**2.48**	2.500	0	99.1	85	115	02/09/2024

Batch 218539 **SampType:** MBLK Units **mg/L**
SampID: MBLK-218539

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	02/12/2024
Iron		0.0400		**< 0.0400**	0.0200	0	0	-100	100	02/12/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	02/12/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	02/12/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	02/12/2024

Batch 218539 **SampType:** LCS Units **mg/L**
SampID: LCS-218539

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.38**	2.500	0	95.2	85	115	02/12/2024
Iron		0.0400		**1.90**	2.000	0	95.1	85	115	02/12/2024
Magnesium		0.0500		**2.39**	2.500	0	95.8	85	115	02/12/2024
Potassium		0.100		**2.59**	2.500	0	103.8	85	115	02/12/2024
Sodium		0.0500		**2.42**	2.500	0	96.8	85	115	02/12/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24011852

Client Project: BAL-24Q1 **Report Date:** 29-Feb-24

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 218539 **SampType:** MS Units **mg/L**
SampID: 24011852-045CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.48**	2.500	0.05830	96.9	75	125	02/12/2024
Magnesium		0.0500		**2.47**	2.500	0.01890	98.2	75	125	02/12/2024
Potassium		0.100		**2.58**	2.500	0	103.3	75	125	02/12/2024
Sodium		0.0500		**2.44**	2.500	0.03700	96.1	75	125	02/12/2024

Batch 218539 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24011852-045CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100		**2.30**	2.500	0.05830	89.7	2.481	7.55	02/12/2024
Magnesium		0.0500		**2.34**	2.500	0.01890	92.8	2.473	5.53	02/12/2024
Potassium		0.100		**2.48**	2.500	0	99.2	2.582	3.98	02/12/2024
Sodium		0.0500		**2.33**	2.500	0.03700	91.7	2.439	4.55	02/12/2024

Batch 218539 **SampType:** MS Units **mg/L**
SampID: 24020643-010AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Iron		0.0400		**2.23**	2.000	0.02250	110.4	75	125	02/13/2024

Batch 218539 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24020643-010AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Iron		0.0400		**2.20**	2.000	0.02250	108.9	2.230	1.35	02/13/2024

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch 218350 **SampType:** MBLK Units **mg/L**
SampID: MBLK-218350

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	02/09/2024

Batch 218350 **SampType:** LCS Units **mg/L**
SampID: LCS-218350

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		0.0250		**0.433**	0.5000	0	86.6	80	120	02/09/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24011852

Client Project: BAL-24Q1 **Report Date:** 29-Feb-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch 218350 **SampType:** MS Units **mg/L**
SampID: 24011852-013DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		0.0250		**1.95**	0.5000	1.530	84.2	75	125	02/09/2024

Batch 218350 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24011852-013DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Boron		0.0250		**1.94**	0.5000	1.530	81.3	1.951	0.75	02/09/2024

Batch 218484 **SampType:** MBLK Units **mg/L**
SampID: MBLK-218484

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	02/09/2024

Batch 218484 **SampType:** LCS Units **mg/L**
SampID: LCS-218484

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		0.0250		**0.447**	0.5000	0	89.4	80	120	02/13/2024

Batch 218484 **SampType:** MS Units **mg/L**
SampID: 24011852-011DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		0.0250		**0.624**	0.5000	0.2380	77.2	75	125	02/13/2024

Batch 218484 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24011852-011DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Boron		0.0250		**0.712**	0.5000	0.2380	94.8	0.6240	13.20	02/13/2024

Batch 218585 **SampType:** MBLK Units **mg/L**
SampID: MBLK-218585

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	02/13/2024

Batch 218585 **SampType:** LCS Units **mg/L**
SampID: LCS-218585

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		0.0250		**0.450**	0.5000	0	90.1	80	120	02/13/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24011852

Client Project: BAL-24Q1 **Report Date:** 29-Feb-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 218349 **SampType:** MBLK Units **mg/L**

SampID: MBLK-218349

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	02/08/2024
Arsenic		0.0010		**< 0.0010**	0.0004	0	0	-100	100	02/08/2024
Barium		0.0010		**< 0.0010**	0.0007	0	0	-100	100	02/08/2024
Beryllium		0.0010		**< 0.0010**	0.0002	0	0	-100	100	02/08/2024
Boron		0.0250		**< 0.0250**	0.0093	0	0	-100	100	02/08/2024
Cadmium		0.0010		**< 0.0010**	0.0001	0	0	-100	100	02/08/2024
Chromium		0.0015		**< 0.0015**	0.0007	0	0	-100	100	02/08/2024
Cobalt		0.0010		**< 0.0010**	0.0001	0	0	-100	100	02/08/2024
Iron		0.0250		**< 0.0250**	0.0115	0	0	-100	100	02/08/2024
Lead		0.0010		**< 0.0010**	0.0006	0	0	-100	100	02/08/2024
Lithium	*	0.0030		**< 0.0030**	0.0015	0	0	-100	100	02/08/2024
Manganese		0.0020		**< 0.0020**	0.0008	0	0	-100	100	02/08/2024
Molybdenum		0.0015		**< 0.0015**	0.0006	0	0	-100	100	02/09/2024
Selenium		0.0010		**< 0.0010**	0.0006	0	0	-100	100	02/08/2024
Thallium		0.0020		**< 0.0020**	0.0010	0	0	-100	100	02/08/2024

Batch 218349 **SampType:** LCS Units **mg/L**

SampID: LCS-218349

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		**0.518**	0.5000	0	103.6	80	120	02/08/2024
Arsenic		0.0010		**0.581**	0.5000	0	116.1	80	120	02/08/2024
Barium		0.0010		**2.10**	2.000	0	105.0	80	120	02/08/2024
Beryllium		0.0010		**0.0568**	0.0500	0	113.6	80	120	02/08/2024
Boron		0.0250		**0.447**	0.5000	0	89.3	80	120	02/08/2024
Cadmium		0.0010		**0.0515**	0.0500	0	103.1	80	120	02/08/2024
Chromium		0.0015		**0.214**	0.2000	0	106.9	80	120	02/08/2024
Cobalt		0.0010		**0.549**	0.5000	0	109.9	80	120	02/08/2024
Iron		0.0250		**2.17**	2.000	0	108.6	80	120	02/08/2024
Lead		0.0010		**0.528**	0.5000	0	105.7	80	120	02/08/2024
Lithium	*	0.0030		**0.477**	0.5000	0	95.4	80	120	02/08/2024
Manganese		0.0020		**0.541**	0.5000	0	108.1	80	120	02/08/2024
Molybdenum		0.0015		**0.478**	0.5000	0	95.5	80	120	02/09/2024
Selenium		0.0010		**0.558**	0.5000	0	111.6	80	120	02/08/2024
Thallium		0.0020		**0.218**	0.2500	0	87.1	80	120	02/12/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24011852

Client Project: BAL-24Q1 **Report Date:** 29-Feb-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 218349 **SampType:** MS Units **mg/L**

SampID: 24011852-044CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		**0.518**	0.5000	0	103.5	75	125	02/08/2024
Arsenic		0.0010		**0.563**	0.5000	0.004305	111.7	75	125	02/08/2024
Barium		0.0010		**2.08**	2.000	0.02810	102.6	75	125	02/08/2024
Beryllium		0.0010		**0.0549**	0.0500	0	109.8	75	125	02/08/2024
Boron		0.0250		**2.09**	0.5000	1.560	106.8	75	125	02/08/2024
Cadmium		0.0010		**0.0492**	0.0500	0	98.5	75	125	02/08/2024
Chromium		0.0015		**0.189**	0.2000	0	94.4	75	125	02/08/2024
Cobalt		0.0010		**0.507**	0.5000	0	101.4	75	125	02/08/2024
Iron		0.0250		**2.05**	2.000	0.01644	101.7	75	125	02/08/2024
Lead		0.0010		**0.521**	0.5000	0	104.3	75	125	02/08/2024
Lithium	*	0.0030		**0.560**	0.5000	0.07645	96.7	75	125	02/08/2024
Manganese		0.0020		**0.502**	0.5000	0.006215	99.1	75	125	02/08/2024
Molybdenum		0.0015		**0.486**	0.5000	0.0006294	97.1	75	125	02/09/2024
Selenium		0.0010		**0.526**	0.5000	0	105.3	75	125	02/08/2024
Thallium		0.0020		**0.243**	0.2500	0	97.1	75	125	02/12/2024

Batch 218349 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 24011852-044CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		0.0010		**0.512**	0.5000	0	102.4	0.5176	1.06	02/08/2024
Arsenic		0.0010		**0.537**	0.5000	0.004305	106.6	0.5627	4.60	02/08/2024
Barium		0.0010		**2.04**	2.000	0.02810	100.6	2.081	1.94	02/08/2024
Beryllium		0.0010		**0.0546**	0.0500	0	109.3	0.05491	0.50	02/08/2024
Boron		0.0250		**2.06**	0.5000	1.560	99.1	2.094	1.86	02/08/2024
Cadmium		0.0010		**0.0494**	0.0500	0	98.8	0.04925	0.35	02/08/2024
Chromium		0.0015		**0.199**	0.2000	0	99.3	0.1887	5.08	02/08/2024
Cobalt		0.0010		**0.498**	0.5000	0	99.6	0.5069	1.79	02/08/2024
Iron		0.0250		**2.01**	2.000	0.01644	99.5	2.051	2.19	02/08/2024
Lead		0.0010		**0.518**	0.5000	0	103.5	0.5215	0.72	02/08/2024
Lithium	*	0.0030		**0.557**	0.5000	0.07645	96.1	0.5600	0.53	02/08/2024
Manganese		0.0020		**0.492**	0.5000	0.006215	97.2	0.5015	1.91	02/08/2024
Molybdenum		0.0015		**0.476**	0.5000	0.0006294	95.1	0.4863	2.15	02/09/2024
Selenium		0.0010		**0.507**	0.5000	0	101.5	0.5264	3.68	02/08/2024
Thallium		0.0020		**0.222**	0.2500	0	88.7	0.2427	8.98	02/12/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24011852

Client Project: BAL-24Q1 **Report Date:** 29-Feb-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 218407 **SampType:** MBLK Units **mg/L**

SampID: MBLK-218407

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	02/09/2024
Arsenic		0.0010		**< 0.0010**	0.0004	0	0	-100	100	02/09/2024
Barium		0.0010		**< 0.0010**	0.0007	0	0	-100	100	02/09/2024
Beryllium		0.0010		**< 0.0010**	0.0002	0	0	-100	100	02/09/2024
Boron		0.0250		**< 0.0250**	0.0093	0	0	-100	100	02/09/2024
Cadmium		0.0010		**< 0.0010**	0.0001	0	0	-100	100	02/09/2024
Chromium		0.0015		**< 0.0015**	0.0007	0	0	-100	100	02/12/2024
Cobalt		0.0010		**< 0.0010**	0.0001	0	0	-100	100	02/09/2024
Lead		0.0010		**< 0.0010**	0.0006	0	0	-100	100	02/09/2024
Lithium	*	0.0030		**< 0.0030**	0.0015	0	0	-100	100	02/09/2024
Molybdenum		0.0015		**< 0.0015**	0.0006	0	0	-100	100	02/09/2024
Selenium		0.0010		**< 0.0010**	0.0006	0	0	-100	100	02/09/2024
Thallium		0.0020		**< 0.0020**	0.0010	0	0	-100	100	02/09/2024

Batch 218407 **SampType:** LCS Units **mg/L**

SampID: LCS-218407

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		**0.519**	0.5000	0	103.9	80	120	02/09/2024
Arsenic		0.0010		**0.523**	0.5000	0	104.7	80	120	02/09/2024
Barium		0.0010		**2.01**	2.000	0	100.6	80	120	02/09/2024
Beryllium		0.0010		**0.0496**	0.0500	0	99.1	80	120	02/09/2024
Boron		0.0250		**0.468**	0.5000	0	93.6	80	120	02/09/2024
Cadmium		0.0010		**0.0502**	0.0500	0	100.4	80	120	02/09/2024
Chromium		0.0015		**0.217**	0.2000	0	108.5	80	120	02/12/2024
Cobalt		0.0010		**0.490**	0.5000	0	98.0	80	120	02/09/2024
Lead		0.0010		**0.506**	0.5000	0	101.3	80	120	02/09/2024
Lithium	*	0.0030		**0.481**	0.5000	0	96.3	80	120	02/09/2024
Molybdenum		0.0015		**0.479**	0.5000	0	95.7	80	120	02/09/2024
Selenium		0.0010		**0.483**	0.5000	0	96.7	80	120	02/09/2024
Thallium		0.0020		**0.222**	0.2500	0	88.8	80	120	02/12/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24011852

Client Project: BAL-24Q1 **Report Date:** 29-Feb-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 218407 **SampType:** MS Units **mg/L**

SampID: 24011852-009BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		**0.530**	0.5000	0	106.0	75	125	02/09/2024
Arsenic		0.0010		**0.538**	0.5000	0.0006190	107.6	75	125	02/09/2024
Barium		0.0010		**2.11**	2.000	0.09377	101.0	75	125	02/09/2024
Beryllium		0.0010		**0.0520**	0.0500	0	103.9	75	125	02/09/2024
Boron		0.0250		**0.552**	0.5000	0.03868	102.6	75	125	02/09/2024
Cadmium		0.0010		**0.0507**	0.0500	0	101.5	75	125	02/09/2024
Chromium		0.0015		**0.206**	0.2000	0.001442	102.2	75	125	02/12/2024
Cobalt		0.0010		**0.508**	0.5000	0.0008978	101.5	75	125	02/09/2024
Lead		0.0010		**0.508**	0.5000	0	101.5	75	125	02/09/2024
Lithium	*	0.0030		**0.492**	0.5000	0.004484	97.5	75	125	02/09/2024
Molybdenum		0.0015		**0.517**	0.5000	0.002078	102.9	75	125	02/12/2024
Selenium		0.0010		**0.494**	0.5000	0	98.8	75	125	02/09/2024
Thallium		0.0020		**0.227**	0.2500	0	90.8	75	125	02/12/2024

Batch 218407 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 24011852-009BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		0.0010		**0.525**	0.5000	0	105.0	0.5299	0.91	02/09/2024
Arsenic		0.0010		**0.544**	0.5000	0.0006190	108.7	0.5384	1.03	02/09/2024
Barium		0.0010		**2.10**	2.000	0.09377	100.2	2.113	0.73	02/09/2024
Beryllium		0.0010		**0.0519**	0.0500	0	103.9	0.05197	0.05	02/09/2024
Boron		0.0250		**0.512**	0.5000	0.03868	94.7	0.5519	7.45	02/09/2024
Cadmium		0.0010		**0.0501**	0.0500	0	100.3	0.05073	1.14	02/09/2024
Chromium		0.0015		**0.203**	0.2000	0.001442	101.0	0.2059	1.21	02/12/2024
Cobalt		0.0010		**0.491**	0.5000	0.0008978	98.1	0.5085	3.44	02/09/2024
Lead		0.0010		**0.486**	0.5000	0	97.3	0.5077	4.28	02/09/2024
Lithium	*	0.0030		**0.481**	0.5000	0.004484	95.2	0.4918	2.30	02/09/2024
Molybdenum		0.0015		**0.512**	0.5000	0.002078	102.0	0.5167	0.86	02/12/2024
Selenium		0.0010		**0.498**	0.5000	0	99.7	0.4942	0.83	02/09/2024
Thallium		0.0020		**0.227**	0.2500	0	90.8	0.2269	0.04	02/12/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24011852

Client Project: BAL-24Q1 **Report Date:** 29-Feb-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 218407 **SampType:** MS Units **mg/L**

SampID: 24011852-042BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		**0.522**	0.5000	0.0006359	104.3	75	125	02/09/2024
Arsenic		0.0010		**0.544**	0.5000	0.006113	107.5	75	125	02/09/2024
Barium		0.0010		**2.12**	2.000	0.2009	95.8	75	125	02/09/2024
Beryllium		0.0010		**0.0527**	0.0500	0	105.3	75	125	02/09/2024
Boron		0.0250	S	**3.64**	0.5000	2.911	145.9	75	125	02/09/2024
Cadmium		0.0010		**0.0489**	0.0500	0	97.8	75	125	02/09/2024
Chromium		0.0015		**0.196**	0.2000	0.002265	96.7	75	125	02/12/2024
Cobalt		0.0010		**0.499**	0.5000	0.0003831	99.8	75	125	02/09/2024
Lead		0.0010		**0.513**	0.5000	0	102.6	75	125	02/09/2024
Lithium	*	0.0030		**0.498**	0.5000	0.005696	98.6	75	125	02/09/2024
Molybdenum		0.0015		**0.607**	0.5000	0.08578	104.2	75	125	02/12/2024
Selenium		0.0010		**0.502**	0.5000	0.007247	98.9	75	125	02/09/2024
Thallium		0.0020		**0.216**	0.2500	0	86.3	75	125	02/12/2024

Batch 218407 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 24011852-042BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		0.0010		**0.600**	0.5000	0.0006359	119.8	0.5221	13.83	02/09/2024
Arsenic		0.0010		**0.540**	0.5000	0.006113	106.7	0.5435	0.69	02/09/2024
Barium		0.0010		**2.27**	2.000	0.2009	103.2	2.116	6.79	02/09/2024
Beryllium		0.0010		**0.0510**	0.0500	0	102.1	0.05266	3.16	02/09/2024
Boron		0.0250	S	**3.69**	0.5000	2.911	155.8	3.641	1.36	02/09/2024
Cadmium		0.0010		**0.0582**	0.0500	0	116.4	0.04888	17.42	02/09/2024
Chromium		0.0015		**0.203**	0.2000	0.002265	100.2	0.1957	3.53	02/12/2024
Cobalt		0.0010		**0.487**	0.5000	0.0003831	97.3	0.4992	2.51	02/09/2024
Lead		0.0010		**0.494**	0.5000	0	98.9	0.5131	3.72	02/09/2024
Lithium	*	0.0030		**0.486**	0.5000	0.005696	96.0	0.4984	2.61	02/09/2024
Molybdenum		0.0015		**0.674**	0.5000	0.08578	117.7	0.6068	10.54	02/12/2024
Selenium		0.0010		**0.494**	0.5000	0.007247	97.3	0.5018	1.61	02/09/2024
Thallium		0.0020		**0.226**	0.2500	0	90.5	0.2159	4.68	02/12/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24011852

Client Project: BAL-24Q1 **Report Date:** 29-Feb-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 218457 **SampType:** MBLK Units **mg/L**

SampID: MBLK-218457

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	02/10/2024
Arsenic		0.0010		**< 0.0010**	0.0004	0	0	-100	100	02/10/2024
Barium		0.0010		**< 0.0010**	0.0007	0	0	-100	100	02/10/2024
Beryllium		0.0010		**< 0.0010**	0.0002	0	0	-100	100	02/10/2024
Boron		0.0250		**< 0.0250**	0.0093	0	0	-100	100	02/10/2024
Cadmium		0.0010		**< 0.0010**	0.0001	0	0	-100	100	02/10/2024
Chromium		0.0015		**< 0.0015**	0.0007	0	0	-100	100	02/12/2024
Cobalt		0.0010		**< 0.0010**	0.0001	0	0	-100	100	02/10/2024
Iron		0.0250		**< 0.0250**	0.0115	0	0	-100	100	02/12/2024
Lead		0.0010		**< 0.0010**	0.0006	0	0	-100	100	02/10/2024
Lithium	*	0.0030		**< 0.0030**	0.0015	0	0	-100	100	02/10/2024
Manganese		0.0020		**< 0.0020**	0.0008	0	0	-100	100	02/10/2024
Molybdenum		0.0015		**< 0.0015**	0.0006	0	0	-100	100	02/10/2024
Selenium		0.0010		**< 0.0010**	0.0006	0	0	-100	100	02/10/2024
Thallium		0.0020		**< 0.0020**	0.0010	0	0	-100	100	02/10/2024

Batch 218457 **SampType:** LCS Units **mg/L**

SampID: LCS-218457

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		**0.524**	0.5000	0	104.7	80	120	02/10/2024
Arsenic		0.0010		**0.549**	0.5000	0	109.8	80	120	02/12/2024
Barium		0.0010		**1.99**	2.000	0	99.6	80	120	02/10/2024
Beryllium		0.0010		**0.0506**	0.0500	0	101.2	80	120	02/10/2024
Boron		0.0250		**0.516**	0.5000	0	103.1	80	120	02/13/2024
Cadmium		0.0010		**0.0487**	0.0500	0	97.4	80	120	02/10/2024
Chromium		0.0015		**0.209**	0.2000	0	104.5	80	120	02/12/2024
Cobalt		0.0010		**0.504**	0.5000	0	100.7	80	120	02/12/2024
Iron		0.0250		**2.02**	2.000	0	100.8	80	120	02/12/2024
Lead		0.0010		**0.496**	0.5000	0	99.2	80	120	02/10/2024
Lithium	*	0.0030		**0.513**	0.5000	0	102.6	80	120	02/13/2024
Manganese		0.0020		**0.506**	0.5000	0	101.2	80	120	02/10/2024
Molybdenum		0.0015		**0.481**	0.5000	0	96.2	80	120	02/12/2024
Selenium		0.0010		**0.499**	0.5000	0	99.9	80	120	02/10/2024
Thallium		0.0020		**0.202**	0.2500	0	80.7	80	120	02/12/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24011852

Client Project: BAL-24Q1 **Report Date:** 29-Feb-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 218485 **SampType:** MBLK Units **mg/L**

SampID: MBLK-218485

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	02/09/2024
Arsenic		0.0010		**< 0.0010**	0.0004	0	0	-100	100	02/09/2024
Barium		0.0010		**< 0.0010**	0.0007	0	0	-100	100	02/09/2024
Beryllium		0.0010		**< 0.0010**	0.0002	0	0	-100	100	02/09/2024
Boron		0.0250		**< 0.0250**	0.0093	0	0	-100	100	02/09/2024
Cadmium		0.0010		**< 0.0010**	0.0001	0	0	-100	100	02/09/2024
Chromium		0.0015		**< 0.0015**	0.0007	0	0	-100	100	02/12/2024
Cobalt		0.0010		**< 0.0010**	0.0001	0	0	-100	100	02/09/2024
Iron		0.0250		**< 0.0250**	0.0115	0	0	-100	100	02/09/2024
Lead		0.0010		**< 0.0010**	0.0006	0	0	-100	100	02/09/2024
Lithium	*	0.0030		**< 0.0030**	0.0015	0	0	-100	100	02/09/2024
Manganese		0.0020		**< 0.0020**	0.0008	0	0	-100	100	02/09/2024
Molybdenum		0.0015		**< 0.0015**	0.0006	0	0	-100	100	02/09/2024
Selenium		0.0010		**< 0.0010**	0.0006	0	0	-100	100	02/09/2024
Thallium		0.0020		**< 0.0020**	0.0010	0	0	-100	100	02/09/2024

Batch 218485 **SampType:** LCS Units **mg/L**

SampID: LCS-218485

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		**0.506**	0.5000	0	101.3	80	120	02/09/2024
Arsenic		0.0010		**0.513**	0.5000	0	102.6	80	120	02/09/2024
Barium		0.0010		**1.91**	2.000	0	95.7	80	120	02/09/2024
Beryllium		0.0010		**0.0498**	0.0500	0	99.7	80	120	02/09/2024
Boron		0.0250		**0.466**	0.5000	0	93.2	80	120	02/09/2024
Cadmium		0.0010		**0.0474**	0.0500	0	94.8	80	120	02/09/2024
Chromium		0.0015		**0.186**	0.2000	0	92.9	80	120	02/12/2024
Cobalt		0.0010		**0.487**	0.5000	0	97.3	80	120	02/09/2024
Iron		0.0250		**1.93**	2.000	0	96.6	80	120	02/12/2024
Lead		0.0010		**0.473**	0.5000	0	94.7	80	120	02/09/2024
Lithium	*	0.0030		**0.490**	0.5000	0	97.9	80	120	02/09/2024
Manganese		0.0020		**0.484**	0.5000	0	96.9	80	120	02/09/2024
Molybdenum		0.0015		**0.469**	0.5000	0	93.8	80	120	02/12/2024
Selenium		0.0010		**0.487**	0.5000	0	97.3	80	120	02/09/2024
Thallium		0.0020		**0.200**	0.2500	0	80.1	80	120	02/12/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24011852

Client Project: BAL-24Q1 **Report Date:** 29-Feb-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 218539 **SampType:** MBLK Units **mg/L**

SampID: MBLK-218539

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	02/12/2024
Arsenic		0.0010		**< 0.0010**	0.0004	0	0	-100	100	02/12/2024
Barium		0.0010		**< 0.0010**	0.0007	0	0	-100	100	02/12/2024
Beryllium		0.0010		**< 0.0010**	0.0002	0	0	-100	100	02/12/2024
Boron		0.0250		**< 0.0250**	0.0093	0	0	-100	100	02/13/2024
Cadmium		0.0010		**< 0.0010**	0.0001	0	0	-100	100	02/12/2024
Chromium		0.0015		**< 0.0015**	0.0007	0	0	-100	100	02/12/2024
Cobalt		0.0010		**< 0.0010**	0.0001	0	0	-100	100	02/12/2024
Iron		0.0250		**< 0.0250**	0.0115	0	0	-100	100	02/12/2024
Lead		0.0010		**< 0.0010**	0.0006	0	0	-100	100	02/12/2024
Lithium	*	0.0030		**< 0.0030**	0.0015	0	0	-100	100	02/13/2024
Manganese		0.0020		**< 0.0020**	0.0008	0	0	-100	100	02/13/2024
Molybdenum		0.0015		**< 0.0015**	0.0006	0	0	-100	100	02/12/2024
Selenium		0.0010		**< 0.0010**	0.0006	0	0	-100	100	02/12/2024
Thallium		0.0020		**< 0.0020**	0.0010	0	0	-100	100	02/12/2024

Batch 218539 **SampType:** LCS Units **mg/L**

SampID: LCS-218539

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		**0.513**	0.5000	0	102.7	80	120	02/12/2024
Arsenic		0.0010		**0.538**	0.5000	0	107.5	80	120	02/12/2024
Barium		0.0010		**2.08**	2.000	0	103.8	80	120	02/12/2024
Beryllium		0.0010		**0.0535**	0.0500	0	106.9	80	120	02/12/2024
Boron		0.0250		**0.501**	0.5000	0	100.2	80	120	02/13/2024
Cadmium		0.0010		**0.0499**	0.0500	0	99.8	80	120	02/12/2024
Chromium		0.0015		**0.200**	0.2000	0	100.2	80	120	02/12/2024
Cobalt		0.0010		**0.505**	0.5000	0	101.0	80	120	02/12/2024
Iron		0.0250		**1.97**	2.000	0	98.6	80	120	02/12/2024
Lead		0.0010		**0.511**	0.5000	0	102.3	80	120	02/12/2024
Lithium	*	0.0030		**0.500**	0.5000	0	100.0	80	120	02/13/2024
Manganese		0.0020		**0.518**	0.5000	0	103.7	80	120	02/13/2024
Molybdenum		0.0015		**0.474**	0.5000	0	94.7	80	120	02/12/2024
Selenium		0.0010		**0.520**	0.5000	0	104.0	80	120	02/12/2024
Thallium		0.0020		**0.215**	0.2500	0	85.9	80	120	02/13/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24011852

Client Project: BAL-24Q1 **Report Date:** 29-Feb-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 218539 **SampType:** MS Units **mg/L**

SampID: 24011852-045CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		**0.513**	0.5000	0	102.7	75	125	02/13/2024
Arsenic		0.0010		**0.534**	0.5000	0	106.7	75	125	02/13/2024
Barium		0.0010		**2.04**	2.000	0	102.2	75	125	02/13/2024
Beryllium		0.0010		**0.0508**	0.0500	0	101.5	75	125	02/13/2024
Boron		0.0250		**0.503**	0.5000	0	100.5	75	125	02/13/2024
Cadmium		0.0010		**0.0491**	0.0500	0	98.2	75	125	02/13/2024
Chromium		0.0015		**0.201**	0.2000	0.0009920	100.2	75	125	02/13/2024
Cobalt		0.0010		**0.495**	0.5000	0	99.0	75	125	02/13/2024
Iron		0.0250		**1.91**	2.000	0.03055	94.2	75	125	02/13/2024
Lead		0.0010		**0.488**	0.5000	0.004294	96.7	75	125	02/13/2024
Lithium	*	0.0030		**0.517**	0.5000	0	103.3	75	125	02/13/2024
Manganese		0.0020		**0.497**	0.5000	0	99.4	75	125	02/13/2024
Molybdenum		0.0015		**0.464**	0.5000	0	92.9	75	125	02/13/2024
Selenium		0.0010		**0.519**	0.5000	0	103.7	75	125	02/13/2024
Thallium		0.0020		**0.208**	0.2500	0	83.2	75	125	02/13/2024

Batch 218539 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 24011852-045CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		0.0010		**0.506**	0.5000	0	101.1	0.5135	1.54	02/13/2024
Arsenic		0.0010		**0.526**	0.5000	0	105.2	0.5335	1.46	02/13/2024
Barium		0.0010		**2.04**	2.000	0	102.0	2.044	0.25	02/13/2024
Beryllium		0.0010		**0.0517**	0.0500	0	103.3	0.05075	1.78	02/13/2024
Boron		0.0250		**0.503**	0.5000	0	100.6	0.5027	0.07	02/13/2024
Cadmium		0.0010		**0.0484**	0.0500	0	96.9	0.04908	1.30	02/13/2024
Chromium		0.0015		**0.190**	0.2000	0.0009920	94.7	0.2015	5.65	02/13/2024
Cobalt		0.0010		**0.489**	0.5000	0	97.7	0.4952	1.31	02/13/2024
Iron		0.0250		**1.93**	2.000	0.03055	95.0	1.915	0.83	02/13/2024
Lead		0.0010		**0.501**	0.5000	0.004294	99.3	0.4880	2.56	02/13/2024
Lithium	*	0.0030		**0.514**	0.5000	0	102.7	0.5166	0.57	02/13/2024
Manganese		0.0020		**0.500**	0.5000	0	100.0	0.4971	0.54	02/13/2024
Molybdenum		0.0015		**0.476**	0.5000	0	95.1	0.4644	2.37	02/13/2024
Selenium		0.0010		**0.511**	0.5000	0	102.3	0.5186	1.39	02/13/2024
Thallium		0.0020		**0.217**	0.2500	0	86.7	0.2080	4.06	02/13/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24011852

Client Project: BAL-24Q1 **Report Date:** 29-Feb-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 219088 **SampType:** MBLK Units **mg/L**

SampID: MBLK-219088

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		**< 0.0010**	0.0004	0	0	-100	100	02/23/2024
Arsenic		0.0010		**< 0.0010**	0.0004	0	0	-100	100	02/23/2024
Barium		0.0010		**< 0.0010**	0.0007	0	0	-100	100	02/23/2024
Beryllium		0.0010		**< 0.0010**	0.0002	0	0	-100	100	02/23/2024
Boron		0.0250		**< 0.0250**	0.0093	0	0	-100	100	02/23/2024
Cadmium		0.0010		**< 0.0010**	0.0001	0	0	-100	100	02/23/2024
Chromium		0.0015		**< 0.0015**	0.0007	0	0	-100	100	02/23/2024
Cobalt		0.0010		**< 0.0010**	0.0001	0	0	-100	100	02/23/2024
Iron		0.0250		**< 0.0250**	0.0115	0	0	-100	100	02/23/2024
Lead		0.0010		**< 0.0010**	0.0006	0	0	-100	100	02/23/2024
Lithium	*	0.0030		**< 0.0030**	0.0015	0	0	-100	100	02/23/2024
Manganese		0.0020		**< 0.0020**	0.0008	0	0	-100	100	02/23/2024
Molybdenum		0.0015		**< 0.0015**	0.0006	0	0	-100	100	02/23/2024
Selenium		0.0010		**< 0.0010**	0.0006	0	0	-100	100	02/23/2024
Thallium		0.0020		**< 0.0020**	0.0010	0	0	-100	100	02/23/2024

Batch 219088 **SampType:** LCS Units **mg/L**

SampID: LCS-219088

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		**0.493**	0.5000	0	98.7	80	120	02/23/2024
Arsenic		0.0010		**0.508**	0.5000	0	101.7	80	120	02/23/2024
Barium		0.0010		**1.97**	2.000	0	98.3	80	120	02/23/2024
Beryllium		0.0010		**0.0468**	0.0500	0	93.5	80	120	02/23/2024
Boron		0.0250		**0.447**	0.5000	0	89.4	80	120	02/23/2024
Cadmium		0.0010		**0.0478**	0.0500	0	95.6	80	120	02/23/2024
Chromium		0.0015		**0.180**	0.2000	0	90.1	80	120	02/23/2024
Cobalt		0.0010		**0.460**	0.5000	0	92.0	80	120	02/23/2024
Iron		0.0250		**1.86**	2.000	0	92.8	80	120	02/23/2024
Lead		0.0010		**0.483**	0.5000	0	96.6	80	120	02/23/2024
Lithium	*	0.0030		**0.442**	0.5000	0	88.5	80	120	02/23/2024
Manganese		0.0020		**0.470**	0.5000	0	94.1	80	120	02/23/2024
Molybdenum		0.0015		**0.451**	0.5000	0	90.3	80	120	02/23/2024
Selenium		0.0010		**0.501**	0.5000	0	100.3	80	120	02/23/2024
Thallium		0.0020		**0.236**	0.2500	0	94.4	80	120	02/26/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24011852

Client Project: BAL-24Q1 **Report Date:** 29-Feb-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 219088 **SampType:** DUP Units **mg/L** RPD Limit **20**
SampID: 24011852-035BDUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Thallium		0.0020	J	**0.0013**				0	0.00	02/23/2024

Batch 219088 **SampType:** DUP Units **mg/L** RPD Limit **20**
SampID: 24011852-043CDUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Thallium		0.0020		**< 0.0020**				0	0.00	02/23/2024

SW-846 7470A (TOTAL)

Batch 218362 **SampType:** MBLK Units **mg/L**
SampID: MBLK-218362

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	02/07/2024

Batch 218362 **SampType:** LCS Units **mg/L**
SampID: LCS-218362

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00443**	0.0050	0	88.7	85	115	02/07/2024

Batch 218362 **SampType:** MS Units **mg/L**
SampID: 24020300-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00479**	0.0050	0	95.8	75	125	02/07/2024

Batch 218362 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24020300-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00504**	0.0050	0	100.7	0.004789	5.06	02/07/2024

Batch 218405 **SampType:** MBLK Units **mg/L**
SampID: MBLK-218405

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	02/08/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24011852

Client Project: BAL-24Q1 **Report Date:** 29-Feb-24

SW-846 7470A (TOTAL)

Batch 218405 **SampType:** LCS Units **mg/L**
SampID: LCS-218405

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00452**	0.0050	0	90.4	85	115	02/08/2024

Batch 218405 **SampType:** MS Units **mg/L**
SampID: 24011852-028BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00480**	0.0050	0	95.9	75	125	02/08/2024

Batch 218405 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24011852-028BMSD

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	0.004795	1.92	02/08/2024

Batch 218405 **SampType:** MS Units **mg/L**
SampID: 24011852-044CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00483**	0.0050	0	96.6	75	125	02/08/2024

Batch 218405 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24011852-044CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00487**	0.0050	0	97.3	0.004828	0.77	02/08/2024

Batch 218438 **SampType:** MBLK Units **mg/L**
SampID: MBLK-218438

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	02/08/2024

Batch 218438 **SampType:** LCS Units **mg/L**
SampID: LCS-218438

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00460**	0.0050	0	92.0	85	115	02/08/2024

Batch 218438 **SampType:** MS Units **mg/L**
SampID: 24020437-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00454**	0.0050	0	90.9	75	125	02/08/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24011852

Client Project: BAL-24Q1 **Report Date:** 29-Feb-24

SW-846 7470A (TOTAL)

Batch 218438 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24020437-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00464**	0.0050	0	92.8	0.004544	2.13	02/08/2024

Batch 218483 **SampType:** MBLK Units **mg/L**
SampID: MBLK-218483

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	02/09/2024

Batch 218483 **SampType:** LCS Units **mg/L**
SampID: LCS-218483

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00462**	0.0050	0	92.3	85	115	02/09/2024

Batch 218483 **SampType:** MS Units **mg/L**
SampID: 24011852-014CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00473**	0.0050	0	94.7	75	125	02/09/2024

Batch 218483 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24011852-014CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00458**	0.0050	0	91.6	0.004733	3.24	02/09/2024

Batch 218483 **SampType:** MS Units **mg/L**
SampID: 24011852-024BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00453**	0.0050	0	90.6	75	125	02/09/2024

Batch 218483 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24011852-024BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00448**	0.0050	0	89.7	0.004529	1.01	02/09/2024

Batch 218551 **SampType:** MBLK Units **mg/L**
SampID: MBLK-218551

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	02/12/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24011852

Client Project: BAL-24Q1 **Report Date:** 29-Feb-24

SW-846 7470A (TOTAL)

Batch 218551 **SampType:** LCS Units **mg/L**

SampID: LCS-218551

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00469**	0.0050	0	93.9	85	115	02/12/2024

Receiving Check List

Client: Ramboll
Client Project: BAL-24Q1

Work Order: 24011852
Report Date: 29-Feb-24

Carrier: Tracy Carroll

Received By: LEH

Completed by: Amber Dilallo
On: 06-Feb-24

Reviewed by: Ellie Hopkins
On: 13-Feb-24

Pages to follow: Chain of custody 11 Extra pages included 0

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C 5.1
Type of thermal preservation?	None ☐	Ice ☑	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Reported field parameters measured:	Field ☑	Lab ☐	NA ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐		

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water – at least one vial per sample has zero headspace?	Yes ☐	No ☐	No VOA vials ☑
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☑	NA ☐
NPDES/CWA TCN interferences checked/treated in the field?	Yes ☐	No ☐	NA ☑

Any No responses must be detailed below or on the COC.

Additional Nitric Acid (94914) was needed in MW-104DR, MW-104SR, MW-304 and MW-304 Duplicateupon arrival at the laboratory. pH strip #90719. - amberdilallo - 2/6/2024 8:34:37 AM

Samples received 2/6/24 at 1706 (13.1C on ice LTG5). Additional Nitric Acid (94914) was needed in MW-192, MW-193, MW-358, MW-369, MW-370, MW-382, MW-383, MW-384, MW-391, MW-392, MW-393, MW-394, OX-257, PZ-170, PZ-182 and XPW06 upon arrival at the laboratory. pH strip #90719. - amberdilallo - 2/7/2024 9:23:11 AM

pH strip #90719. - lmaddox - 2/8/2024 10:07:53 AM

Additional Nitric Acid (94914) was needed in MW356 upon arrival at the laboratory. - lmaddox - 2/8/2024 10:07:56 AM

Samples received 2/7/24 at 1645 (13.5C on ice LTG5).- LM 2/8

Samples received 2/8/24 at 1355 (11.1C on ice LTG5). Additional Nitric Acid (94914) was needed in XPW01 upon arrival at the laboratory. pH strip #90719. - amberdilallo - 2/9/2024 9:18:02 AM

Samples received 2/9/24 at 1030 (5.7C on ice LTG5). Additional Nitric Acid (94914) was needed in MW-391 upon arrival at the laboratory. pH strip #90719. - amberdilallo - 2/9/2024 9:18:02 AM

CHAIN-OF-CUSTODY / Analytical Request Document

24011852

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-Baldwin	Report To: Brian Voelker	Attention: Kim Edmiaston
Address: 10901 Baldwin Road	Copy To: Sam Davies-samantha.davies@vistracorp.com	Company Name: Vistra Corp
Baldwin, IL 62217	Kim Edmiaston-Kimberly.Edmiaston@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

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

Site Location STATE: IL

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	Valid Matrix Codes MATRIX / CODE: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-104DR		WT		2/5/24	1447		4	2		2										X					24011852-001
2	MW-104SR		WT		2/5/24	1527		4	2		2										X					24011852-002
3	MW-150		WT					4	2		2							X		X	X					24011852-003
4	MW-151		WT					4	2		2							X		X	X					24011852-004
5	MW-152		WT					4	2		2							X		X	X					24011852-005
6	MW-153		WT					4	2		2							X		X	X					24011852-006
7	MW-154		WT					4	2		2										X					24011852-007
8	MW-155		WT					4	2		2										X					24011852-008
9	MW-192		WT					2	1		1							X		X						24011852-009
10	MW-193		WT					2	1		1							X		X						24011852-010
11	MW-252		WT					4	2		2								X		X	X				24011852-011
12	MW-253		WT					4	2		2								X		X	X				24011852-012
13	MW-304		WT		2/5/24	1254		4	2		2							X	X	X	X	X				24011852-013
14	MW-306		WT					4	2		2							X	X	X	X	X				24011852-014
15	MW-350		WT					4	2		2								X		X	X				24011852-015
16	MW-352		WT					4	2		2								X		X	X				24011852-016

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
BAL-24Q1 Rev 0	Tracy Carroll	2/5/24	4:42		2/5/24	16.42

SAMPLE CONDITIONS

	>	N	Y
5.1			

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Tracy Carroll		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
SIGNATURE of SAMPLER:	Tracy Carroll	DATE Signed (MM/DD/YY): 2/5/24				

PHR 90719

added HNO3 (94914) to 4 vials

DG 5

LH 2/6/24

CHAIN-OF-CUSTODY / Analytical Request Document

24011852

BAL-257-601

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

Page: 3 of 3

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Baldwin	Report To:	Brian Voelker	Attention:	Kim Edmiaston
Address:	10901 Baldwin Road	Copy To:	Sam Davies-samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Baldwin, IL 62217		Kim Edmiaston-Kimberly.Edmiaston@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

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

Section D Required Client Information

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

Valid Matrix Codes

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

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	OW-156	WT					0														X		24011852-033
2	OW-157	WT					0														X		24011852-034
3	OW-256	WT					2	1		1							X		X				24011852-035
4	OW-257	WT					2	1		1							X		X				24011852-036
5	PZ-170	WT					2	1		1							X		X				24011852-037
6	PZ-182	WT					2	1		1							X		X				24011852-038
7	TPZ-164	WT					2	1		1							X		X				24011852-039
8	XPW01	WT					2	1		1							X		X				24011852-040
9	XPW05	WT					2	1		1							X		X				24011852-041
10	XPW06	WT					2	1		1							X		X				24011852-042
11	Field Blank	WT					4	2		2							X	X	X	X	X		24011852-043
12	MW-304 Duplicate	WT		2/5/24	1254		4	2		2							X	X	X	X	X		24011852-044
13	Equipment Blank 1	WT					4	2		2							X	X	X	X	X		24011852-045
14	Equipment Blank 2	WT					4	2		2							X	X	X	X	X		24011852-046
15	Equipment Blank 3	WT					4	2		2							X	X	X	X	X		24011852-047
16																							

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
BAL-24Q1 Rev 0	Troy Council	2/5/24	4:40	Sam Davies	2/5/24	16.42				

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:	Troy Council					
SIGNATURE of SAMPLER:	Troy Council	DATE Signed (MM/DD/YY): 2/5/24				

24011852

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 3

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Baldwin	Report To:	Brian Voelker	Attention:	Kim Edmiaston
Address:	10901 Baldwin Road	Copy To:	Sam Davies-samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Baldwin, IL 62217		Kim Edmiaston-Kimberly.Edmiaston@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

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

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-104DR	WT					4	2		2											X		24011852-001
2	MW-104SR	WT					4	2		2											X		24011852-002
3	MW-150	WT					4	2		2								X		X	X		24011852-003
4	MW-151	WT					4	2		2								X		X	X		24011852-004
5	MW-152	WT					4	2		2								X		X	X		24011852-005
6	MW-153	WT					4	2		2								X		X	X		24011852-006
7	MW-154	WT		2-6-24	DRY		4	2		2											X		24011852-007
8	MW-155	WT					4	2		2											X		24011852-008
9	MW-192	WT		2-6-24	1018		2	1		1							X		X				24011852-009
10	MW-193	WT		2-6-24	1228		2	1		1							X		X				24011852-010
11	MW-252	WT					4	2		2								X		X	X		24011852-011
12	MW-253	WT					4	2		2								X		X	X		24011852-012
13	MW-304	WT					4	2		2							X	X	X	X	X		24011852-013
14	MW-306	WT					4	2		2							X	X	X	X	X		24011852-014
15	MW-350	WT					4	2		2								X		X	X		24011852-015
16	MW-352	WT					4	2		2								X		X	X		24011852-016

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)
BAL-24Q1 Rev 0	J. Colp	2-6	1706	Lauren Henson	2/6	1706	13.1	Y	N	Y

SAMPLER NAME AND SIGNATURE		
PRINT Name of SAMPLER:	JUSTIN COLP	
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY): 2-6-24

LTG 5

PHV 90719 preserved in lab added NHO_3 (9489/14) to all Samples LH 2/6/24

Confidential

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 2 of 3

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Baldwin	Report To:	Brian Voelker	Attention:	Kim Edmiaston
Address:	10901 Baldwin Road	Copy To:	Sam Davies-samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Baldwin, IL 62217		Kim Edmiaston-Kimberly.Edmiaston@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

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

ITEM #	SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Requested Analysis Filtered (Y/N)	Analysis Test Y/N	BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-355	WT					4	2		2												X		24011852-017
2	MW-356	WT					2	1		1								X		X				24011852-018
3	MW-358	WT		2-6-24	1522		2	1		1								X	X	X	X			24011852-019
4	MW-366	WT					2	1		1									X		X			24011852-020
5	MW-369	WT		2-6-24	1052		2	1		1								X		X				24011852-021
6	MW-370	WT		2-6-24	0941		2	1		1								X		X				24011852-022
7	MW-375	WT					2	1		1									X		X			24011852-023
8	MW-377	WT					2	1		1									X		X			24011852-024
9	MW-382	WT		2-6-24	1208		2	1		1								X		X				24011852-025
10	MW-383	WT		2-6-24	1414		2	1		1									X		X			24011852-026
11	MW-384	WT		2-6-24	1331		2	1		1									X		X			24011852-027
12	MW-390	WT		2-6-24	1258		2	1		1									X		X			24011852-028
13	MW-391	WT		2-6-24	DRY		2	1		1									X		X			24011852-029
14	MW-392	WT		2-6-24	1120		2	1		1								X		X				24011852-030
15	MW-393	WT		2-6-24	1315		2	1		1								X		X				24011852-031
16	MW-394	WT		2-6-24	1416		2	1		1								X		X				24011852-032

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
BAL-24Q1 Rev 0	J. Colp	2-6	1706	Samantha Davies	2/6	1706	13.1	Y	N	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY): 2-6-24

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

CTG 5

24011852

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 3 of 3

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Baldwin	Report To:	Brian Voelker	Attention:	Kim Edmiaston
Address:	10901 Baldwin Road	Copy To:	Sam Davies-samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Baldwin, IL 62217		Kim Edmiaston-Kimberly.Edmiaston@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY		
NPDES	GROUND WATER	DRINKING WATER
UST	RCRA	OTHER

Site Location STATE: IL

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

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Requested Analysis Filtered (Y/N) Y/N	Analysis Test: BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	OW-156	WT					0														X		24011852-033
2	OW-157	WT					0														X		24011852-034
3	OW-256	WT					2	1		1							X		X				24011852-035
4	OW-257	WT		2-6-24	1014		2	1		1							X		X				24011852-036
5	PZ-170	WT		2-6-24	0924		2	1		1							X		X				24011852-037
6	PZ-182	WT		2-6-24	1237		2	1		1							X		X				24011852-038
7	TPZ-164	WT					2	1		1							X		X				24011852-039
8	XPW01	WT					2	1		1							X		X				24011852-040
9	XPW05	WT					2	1		1							X		X				24011852-041
10	XPW06	WT		2-6-24	1123		2	1		1							X		X				24011852-042
11	Field Blank	WT					4	2		2							X	X	X	X	X		24011852-043
12	MW-304 Duplicate	WT					4	2		2							X	X	X	X	X		24011852-044
13	Equipment Blank 1	WT					4	2		2							X	X	X	X	X		24011852-045
14	Equipment Blank 2	WT					4	2		2							X	X	X	X	X		24011852-046
15	Equipment Blank 3	WT					4	2		2							X	X	X	X	X		24011852-047
16																							

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
BAL-24Q1 Rev 0	J. Colp	2-6	1706	[signature]	2/6	1706	13.1	Y	N	
							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 2-6-24

LTG 5

CHAIN-OF-CUSTODY / Analytical Request Document

24011852

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

Page: 1 of 3

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Baldwin	Report To: Brian Voelker	Attention: Kim Edmiaston
Address: 10901 Baldwin Road	Copy To: Sam Davies-samantha.davies@vistracorp.com	Company Name: Vistra Corp
Baldwin, IL 62217	Kim Edmiaston-Kimberly.Edmiaston@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

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

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Requested Analysis Filtered (Y/N) Y/N	Analysis Test: BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-104DR	WT					4	2		2											X			24011852-001
2	MW-104SR	WT					4	2		2											X			24011852-002
3	MW-150	WT		2-7-24	1112		4	2		2								X		X	X			24011852-003
4	MW-151	WT		2-7-24	1126		4	2		2								X		X	X			24011852-004
5	MW-152	WT		2-7-24	1305		4	2		2								X		X	X			24011852-005
6	MW-153	WT					4	2		2								X		X	X			24011852-006
7	MW-154	WT					4	2		2											X			24011852-007
8	MW-155	WT					4	2		2											X			24011852-008
9	MW-192	WT					2	1		1							X		X					24011852-009
10	MW-193	WT					2	1		1							X		X					24011852-010
11	MW-252	WT		2-7-24	1202		4	2		2								X		X	X			24011852-011
12	MW-253	WT					4	2		2								X		X	X			24011852-012
13	MW-304	WT					4	2		2							X	X	X	X	X			24011852-013
14	MW-306	WT		2-7-24	0929		4	2		2							X	X	X	X	X			24011852-014
15	MW-350	WT		2-7-24	1156		4	2		2								X		X	X			24011852-015
16	MW-352	WT		2-7-24	1146		4	2		2								X		X	X			24011852-016

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
BAL-24Q1 Rev 0	J. Colp	2-7	1625		2/7/24	1625	
							13.5

PH: 90719 ES 2/8
Added HNO_3 (94914) to MW356
UM 2/8

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Justin Colp		Temp in °C	Received on ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY): 2-7-24				

UGS

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 2 of 3

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Baldwin	Report To:	Brian Voelker	Attention:	Kim Edmiaston
Address:	10901 Baldwin Road	Copy To:	Sam Davies-samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Baldwin, IL 62217		Kim Edmiaston-Kimberly.Edmiaston@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

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

ITEM #	SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Requested Analysis Filtered (Y/N) Y/N	Analysis Test: BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-355	WT					4	2		2											X		24011852-017
2	MW-356	WT		2-7-24	0932		2	1		1							X		X				24011852-018
3	MW-358	WT					2	1		1							X	X	X	X			24011852-019
4	MW-366	WT		2-7-24	1023		2	1		1								X		X			24011852-020
5	MW-369	WT					2	1		1							X		X				24011852-021
6	MW-370	WT					2	1		1							X		X				24011852-022
7	MW-375	WT		2-7-24	1324		2	1		1								X		X			24011852-023
8	MW-377	WT		2-7-24	1333		2	1		1								X		X			24011852-024
9	MW-382	WT					2	1		1							X		X				24011852-025
10	MW-383	WT					2	1		1								X		X			24011852-026
11	MW-384	WT					2	1		1								X		X			24011852-027
12	MW-390	WT					2	1		1								X		X			24011852-028
13	MW-391	WT					2	1		1								X		X			24011852-029
14	MW-392	WT					2	1		1							X		X				24011852-030
15	MW-393	WT					2	1		1							X		X				24011852-031
16	MW-394	WT					2	1		1							X		X				24011852-032

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
BAL-24Q1 Rev 0	J. Colp	2-7	1625		2/7/24	1625	
							13.5

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 2-7-24

Temp in °C	Received on Ice (Y/N)	Custody Seal Cooler (Y/N)	Samples Intact (Y/N)
CTG 5			

CHAIN-OF-CUSTODY / Analytical Request Document

24011852

BAP-257-601

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

Page: 3 of 3

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Baldwin	Report To: Brian Voelker	Attention: Kim Edmiaston
Address: 10901 Baldwin Road	Copy To: Sam Davies-samantha.davies@vistracorp.com	Company Name: Vistra Corp
Baldwin, IL 62217	Kim Edmiaston-Kimberly.Edmiaston@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

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

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

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Requested Analysis Filtered (Y/N) Y/N	Analysis Test: BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	OW-156	WT		7-7-24	1020		0														X		24011852-033
2	OW-157	WT		7-7-24	1035		0														X		24011852-034
3	OW-256	WT		7-7-24	1006		2	1		1							X		X				24011852-035
4	OW-257	WT					2	1		1							X		X				24011852-036
5	PZ-170	WT					2	1		1							X		X				24011852-037
6	PZ-182	WT					2	1		1							X		X				24011852-038
7	TPZ-164	WT					2	1		1							X		X				24011852-039
8	XPW01	WT					2	1		1							X		X				24011852-040
9	XPW05	WT					2	1		1							X		X				24011852-041
10	XPW06	WT					2	1		1							X		X				24011852-042
11	Field Blank	WT					4	2		2							X	X	X	X	X		24011852-043
12	MW-304 Duplicate	WT					4	2		2							X	X	X	X	X		24011852-044
13	Equipment Blank 1	WT					4	2		2							X	X	X	X	X		24011852-045
14	Equipment Blank 2	WT					4	2		2							X	X	X	X	X		24011852-046
15	Equipment Blank 3	WT					4	2		2							X	X	X	X	X		24011852-047
16																							

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
BAL-24Q1 Rev 0	J. Colp	7-7	1625		7/7/24	1625

SAMPLE CONDITIONS

	Y	N	
Temp in °C			13.5
Received on Ice (Y/N)			
Custody Sealed Cooler (Y/N)			
Samples Intact (Y/N)			

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 7-7-2024

LTG 5

CHAIN-OF-CUSTODY / Analytical Request Document

24011852

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

Page: 1 of 3

Section A Required Client Information:

Company:	Vistra Corp-Baldwin
Address:	10901 Baldwin Road
	Baldwin, IL 62217
Email To:	Brian.Voelker@VistraCorp.com
Phone: (217) 753-8911	Fax:
Requested Due Date/TAT:	10 day

Section B Required Project Information:

Report To:	Brian Voelker
Copy To:	Sam Davies-samantha.davies@vistracorp.com
	Kim Edmiaston-Kimberly.Edmiaston@vistracorp.com
Purchase Order No.:	
Project Name:	
Project Number:	2285

Section C Invoice Information:

Attention:	Kim Edmiaston
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: BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-104DR	WT					4	2		2											X		24011852-001
2	MW-104SR	WT					4	2		2											X		24011852-002
3	MW-150	WT					4	2		2								X		X	X		24011852-003
4	MW-151	WT					4	2		2								X		X	X		24011852-004
5	MW-152	WT					4	2		2								X		X	X		24011852-005
6	MW-153	WT		2-8-24	0948		4	2		2								X		X	X		24011852-006
7	MW-154	WT					4	2		2											X		24011852-007
8	MW-155	WT					4	2		2											X		24011852-008
9	MW-192	WT					2	1		1							X		X				24011852-009
10	MW-193	WT					2	1		1							X		X				24011852-010
11	MW-252	WT					4	2		2								X		X	X		24011852-011
12	MW-253	WT		2-8-24	1036		4	2		2								X		X	X		24011852-012
13	MW-304	WT					4	2		2							X	X	X	X	X		24011852-013
14	MW-306	WT					4	2		2							X	X	X	X	X		24011852-014
15	MW-350	WT					4	2		2								X		X	X		24011852-015
16	MW-352	WT					4	2		2								X		X	X		24011852-016

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)
BAL-24Q1 Rev 0	J. Colp	2-8	1:55	Emily Hazlett	2/8/24	1:55	#6	>	N	Y
							#1			

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Justin Colp
SIGNATURE of SAMPLER: Justin Colp
DATE Signed (MM/DD/YY): 2-8-24

PH: 90719
Added HNO_3(94914) to XPW01
in 2lp
5.5 #5

CHAIN-OF-CUSTODY / Analytical Request Document

24011852

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

Page: 3 of 3

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Baldwin	Report To:	Brian Voelker	Attention:	Kim Edmiaston
Address:	10901 Baldwin Road	Copy To:	Sam Davies-samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Baldwin, IL 62217		Kim Edmiaston-Kimberly.Edmiaston@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

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

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / , -) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	OW-156	WT					0														X		24011852-033
2	OW-157	WT					0														X		24011852-034
3	OW-256	WT					2	1		1							X		X				24011852-035
4	OW-257	WT					2	1		1							X		X				24011852-036
5	PZ-170	WT					2	1		1							X		X				24011852-037
6	PZ-182	WT					2	1		1							X		X				24011852-038
7	TPZ-164	WT					2	1		1							X		X				24011852-039
8	XPW01	WT		2-8-24	0906		2	1		1							X		X				24011852-040
9	XPW05	WT					2	1		1							X		X				24011852-041
10	XPW06	WT					2	1		1							X		X				24011852-042
11	Field Blank	WT		2-8-24	1036		4	2		2							X	X	X	X	X		24011852-043
12	MW-304 Duplicate	WT					4	2		2							X	X	X	X	X		24011852-044
13	Equipment Blank 1	WT		2-8-24	1042		4	2		2							X	X	X	X	X		24011852-045
14	Equipment Blank 2	WT					4	2		2							X	X	X	X	X		24011852-046
15	Equipment Blank 3	WT					4	2		2							X	X	X	X	X		24011852-047
16																							

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Y	N	
BAL-24Q1 Rev 0	J. Colp	2-8	1:55	Emily Sackett	2/8/24	1:55	Received on Ice (Y/N)			
							Custody Sealed Cooler (Y/N)			
							Samples Intact (Y/N)			

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: Justin Colp DATE Signed (MM/DD/YY): 2-8-24

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 2 of 3

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Baldwin	Report To: Brian Voelker	Attention: Kim Edmiaston
Address: 10901 Baldwin Road	Copy To: Sam Davies-samantha.davies@vistracorp.com	Company Name: Vistra Corp
Baldwin, IL 62217	Kim Edmiaston-Kimberly.Edmiaston@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

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

Site Location STATE: IL

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-355	WT					4	2		2											X		24011852-017
2	MW-356	WT					2	1		1							X		X				24011852-018
3	MW-358	WT					2	1		1							X	X	X	X			24011852-019
4	MW-366	WT					2	1		1								X		X			24011852-020
5	MW-369	WT					2	1		1							X		X				24011852-021
6	MW-370	WT					2	1		1							X		X				24011852-022
7	MW-375	WT					2	1		1								X		X			24011852-023
8	MW-377	WT					2	1		1								X		X			24011852-024
9	MW-382	WT					2	1		1							X		X				24011852-025
10	MW-383	WT					2	1		1								X		X			24011852-026
11	MW-384	WT					2	1		1								X		X			24011852-027
12	MW-390	WT					2	1		1								X		X			24011852-028
13	MW-391	WT		2-9-24	0858		2	1		1								X		X			24011852-029
14	MW-392	WT					2	1		1							X		X				24011852-030
15	MW-393	WT					2	1		1							X		X				24011852-031
16	MW-394	WT					2	1		1							X		X				24011852-032

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)
BAL-24Q1 Rev 0	J. Colp	2-9	1030	Emily Hackett	2/9/24	1030	5.7	Y	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: Justin Colp DATE Signed (MM/DD/YY): 2-9-24

UC5

Added HNO3 (9/4/24)
pHv 90719 OM 2/9/24

Confidential

Site Samping Event: Baldwin 1Q24
LIMS Workorder: 24011852
Technician(s): DC, JC, TC, BG

Groundwater Sampling Summary
Baldwin- 1Q 2024

			Weather				Well Condition				
WO Sample	**Well ID**	**Program/ Sample Type**	**Temp (°F)**	**Precipitation**	**Wind Direction**	**Sky**	**Well Pad**	**Casing**	**Protective Cover**	**Reference Mark/ ID**	**Well Locked**
001	MW-104DR	Groundwater Sample	53.0	None	SE	Clear	Good	Good	Good	Yes	Yes
002	MW-104SR	Groundwater Sample	53.0	None	SE	Clear	Good	Good	Good	Yes	Yes
003	MW-150	Groundwater Sample	40.0	None	NW	Clear	Good	Good	Good	Yes	Yes
004	MW-151	Groundwater Sample	47.0	None	N	Partly cloudy	Good	Good	Good	Yes	Yes
005	MW-152	Groundwater Sample	53.0	None	N	Partly cloudy	Good	Good	Good	Yes	Yes
006	MW-153	Groundwater Sample	54.0	None	N	Partly cloudy	Good	Good	Good	Yes	Yes
007	MW-154	Groundwater Sample	53.0	None	SE	Clear	Good	Good	Good	Yes	Yes
008	MW-155	Groundwater Sample									
009	MW-192	Groundwater Sample	36.0	None	W	Clear	Good	Good	Good	Yes	Yes
010	MW-193	Groundwater Sample	38.0	None	W	Clear	Good	Good	Good	Yes	Yes
011	MW-252	Groundwater Sample	52.0	None	N	Partly cloudy	Good	Good	Good	Yes	Yes
012	MW-253	Groundwater Sample	55.0	None	N	Partly cloudy	Good	Good	Good	Yes	Yes
013	MW-304	Groundwater Sample	53.0	None	SE	Clear	Good	Good	Good	Yes	Yes
014	MW-306	Groundwater Sample	40.0	None	N	Partly cloudy	Good	Good	Good	Yes	Yes
015	MW-350	Groundwater Sample	42.0	None	NW	Clear	Good	Good	Good	Yes	Yes
016	MW-352	Groundwater Sample	49.0	None	N	Partly cloudy	Good	Good	Good	Yes	Yes
017	MW-355	Groundwater Sample									
018	MW-356	Groundwater Sample	38.0	None	NW	Clear	Good	Good	Good	Yes	Yes
019	MW-358	Groundwater Sample	55.0	None	S	Clear	Good	Good	Good	Yes	Yes
020	MW-366	Groundwater Sample	44.0	None	N	Partly cloudy	Good	Good	Good	Yes	Yes
021	MW-369	Groundwater Sample	44.0	None	SW	Clear	Good	Good	Good	Yes	Yes
022	MW-370	Groundwater Sample	39.0	None	SW	Clear	Good	Good	Good	Yes	Yes
023	MW-375	Groundwater Sample	42.0	None	NW	Clear	Good	Good	Good	Yes	Yes
024	MW-377	Groundwater Sample	55.0	None	N	Partly cloudy	Good	Good	Good	Yes	Yes
025	MW-382	Groundwater Sample	48.0	None	SW	Clear	Good	Good	Good	Yes	Yes
026	MW-383	Groundwater Sample	54.0	None	S	Clear	Good	Good	Good	Yes	Yes
027	MW-384	Groundwater Sample	53.0	None	S	Clear	Good	Good	Good	Yes	Yes
028	MW-390	Groundwater Sample	51.0	None	S	Clear	Good	Good	Good	Yes	Yes
029	MW-391	Groundwater Sample	57.0	None	N	Cloudy	Good	Good	Good	Yes	Yes
030	MW-392	Groundwater Sample	36.0	None	W	Clear	Good	Good	Good	Yes	Yes
031	MW-393	Groundwater Sample	38.0	None	W	Clear	Good	Good	Good	Yes	Yes
032	MW-394	Groundwater Sample	41.0	None	W	Clear	Good	Good	Good	Yes	Yes
033	OW-156	Stabilization Data Only	39.0	None	NW	Partly cloudy	Good	Good	Good	Yes	Yes
034	OW-157	Stabilization Data Only	39.0	None	NW	Partly cloudy	Good	Good	Good	Yes	Yes
035	OW-256	Groundwater Sample	38.0	None	NW	Clear	Good	Good	Good	Yes	Yes

Site Samping Event: Baldwin 1Q24
LIMS Workorder: 24011852
Technician(s): DC, JC, TC, BG

Groundwater Sampling Summary
Baldwin- 1Q 2024

			Weather				Well Condition				
WO Sample	**Well ID**	**Program/ Sample Type**	**Temp (°F)**	**Precipitation**	**Wind Direction**	**Sky**	**Well Pad**	**Casing**	**Protective Cover**	**Reference Mark/ ID**	**Well Locked**
036	OW-257	Groundwater Sample	41.0	None	SW	Clear	Good	Good	Good	Yes	Yes
037	PZ-170	Groundwater Sample	36.0	None	SW	Clear	Good	Good	Good	Yes	Yes
038	PZ-182	Groundwater Sample	50.0	None	S	Clear	Good	Good	Good	Yes	Yes
039	TPZ-164	Groundwater Sample									
040	XPW01	Groundwater Sample	49.0	None	N	Cloudy	Good	Good	Good	Yes	Yes
041	XPW05	Groundwater Sample									
042	XPW06	Groundwater Sample	46.0	None	SW	Clear	Good	Good	Good	Yes	No
043	Field Blank	QA/QC Sample	53.0	None	SE	Clear					
044	MW-304 Duplicate	QA/QC Sample	53.0	None	SE	Clear	Good	Good	Good	Yes	Yes
045	Equipment Blank 1	QA/QC Sample	53.0	None	SE	Clear					

Site Samping Event: Baldwin 1Q24
LIMS Workorder: 24011852
Technician(s): DC, JC, TC, BG

Groundwater Sampling Summary
Baldwin- 1Q 2024

		GW Level Measurement				Purge Activities							
WO Sample	**Well ID**	**Sampler Initials**	**Date/Time**	**DTW (ft)**	**DTB (ft)**	**Sampler Initials**	**Purge Date**	**Purge Start Time**	**Purge End Time**	**Purging Device**	**Well Diameter (in)**	**Actual Volume Purged (L)**	**Purge Rate (mL/min)**
001	MW-104DR	DC	2/5/24 14:17	11.76	31.50	TAC	2/5/2024	14:17	14:47	Bladder Pump	2"	7.0	233.3
002	MW-104SR	DC	2/5/24 14:57	11.62	18.00	TAC	2/5/2024	14:58	15:27	Bladder Pump	2"	5.0	172.4
003	MW-150	DC	2/7/24 10:48	19.31	27.90	TAC	2/7/2024	10:50	11:12	Bladder Pump	2"	6.0	272.7
004	MW-151	JC	2/7/24 11:05	6.58	19.00	JC	2/7/2024	11:06	11:26	Bladder Pump	2"	3.0	150.0
005	MW-152	JC	2/7/24 12:05	6.75	20.00	JC	2/7/2024	12:09	13:05	Bladder Pump	2"	12.0	214.3
006	MW-153	TAC	2/8/24 9:19	15.20	23.40	TAC	2/8/2024	09:32	09:48	Bladder Pump	2"	4.0	250.0
007	MW-154	JC	2/5/24 12:24	15.34	15.40							0.0	
008	MW-155				23.40								
009	MW-192	TAC	2/6/24 9:59	8.27	32.91	TAC	2/6/2024	10:00	10:18	Bladder Pump	2"	4.0	222.2
010	MW-193	DC	2/6/24 11:59	8.73	35.54	TAC	2/6/2024	12:00	12:28	Bladder Pump	2"	6.0	214.3
011	MW-252	JC	2/7/24 11:51	3.12	52.30	JC	2/7/2024	11:53	12:02	Submersible Pump	2"	3.0	333.3
012	MW-253	DC	2/8/24 9:52	14.76	38.20	TAC	2/8/2024	10:17	10:36	Bladder Pump	2"	3.0	157.9
013	MW-304	TAC	2/5/24 12:35	9.52	57.50	TAC	2/5/2024	12:38	12:54	Bladder Pump	2"	3.0	187.5
014	MW-306	JC	2/7/24 9:11	17.75	90.00	JC	2/7/2024	09:12	09:29	Bladder Pump	2"	2.5	147.1
015	MW-350	TAC	2/7/24 11:32	24.21	49.30	TAC	2/7/2024	11:35	11:56	Bladder Pump	2"	2.0	95.2
016	MW-352	JC	2/7/24 11:36	4.62	75.70	JC	2/7/2024	11:36	11:46	Bladder Pump	2"	2.0	200.0
017	MW-355				35.40			00:00	00:00				
018	MW-356	DC	2/7/24 9:10	4.60	68.40	TAC	2/7/2024	09:12	09:32	Bladder Pump	2"	3.0	150.0
019	MW-358	JC	2/6/24 14:37	5.80	92.14	JC	2/6/2024	14:38	15:22	Bladder Pump	2"	5.0	113.6
020	MW-366	JC	2/7/24 10:01	14.31	54.50	JC	2/7/2024	10:01	10:23	Bladder Pump	2"	3.0	136.4
021	MW-369	JC	2/6/24 10:40	12.24	68.20	JC	2/6/2024	10:40	10:52	Bladder Pump	2"	2.0	166.7
022	MW-370	JC	2/6/24 9:31	18.19	65.20	JC	2/6/2024	09:31	09:41	Bladder Pump	2"	1.5	150.0
023	MW-375	DC	2/7/24 13:02	33.91	69.50	TAC	2/7/2024	13:03	13:24	Bladder Pump	2"	4.0	190.5
024	MW-377	JC	2/7/24 13:20	6.72	58.60	JC	2/7/2024	13:21	13:33	Bladder Pump	2"	3.0	250.0
025	MW-382	JC	2/6/24 11:33	16.63	68.50	JC	2/6/2024	11:36	12:08	Bladder Pump	2"	5.0	156.3
026	MW-383	JC	2/6/24 13:54	19.70	70.30	JC	2/6/2024	13:55	14:14	Bladder Pump	2"	2.0	105.3
027	MW-384	JC	2/6/24 13:18	16.04	72.70	JC	2/6/2024	13:19	13:31	Bladder Pump	2"	2.5	208.3
028	MW-390	JC	2/6/24 12:47	8.25	67.10	JC	2/6/2024	12:48	12:58	Bladder Pump	2"	2.0	200.0
029	MW-391	JC	2/9/24 9:17	70.46	72.40	JC	2/9/2024	08:58	08:58	Bailer	2"		
030	MW-392	TAC	2/6/24 10:53	8.81	86.96	TAC	2/6/2024	10:55	11:20	Bladder Pump	2"	4.0	160.0
031	MW-393	DC	2/6/24 12:52	8.11	88.27	TAC	2/6/2024	12:53	13:15	Bladder Pump	2"	3.0	136.4
032	MW-394	DC	2/6/24 13:52	6.57	85.78	TAC	2/6/2024	13:53	14:16	Bladder Pump	2"	2.0	87.0
033	OW-156	TAC	2/7/24 10:11	7.39	20.40	TAC	2/7/2024	10:12	10:20	Bailer	2"	6.0	750.0
034	OW-157	DC	2/7/24 10:28	6.24	20.40	TAC	2/7/2024	10:28	10:35	Bailer	2"	6.0	857.1
035	OW-256	TAC	2/7/24 9:41	9.38	35.60	TAC	2/7/2024	09:43	10:06	Submersible Pump	2"	7.0	304.3

Site Samping Event: Baldwin 1Q24
LIMS Workorder: 24011852
Technician(s): DC, JC, TC, BG

Groundwater Sampling Summary
Baldwin- 1Q 2024

		GW Level Measurement				Purge Activities							
WO Sample	**Well ID**	**Sampler Initials**	**Date/Time**	**DTW (ft)**	**DTB (ft)**	**Sampler Initials**	**Purge Date**	**Purge Start Time**	**Purge End Time**	**Purging Device**	**Well Diameter (in)**	**Actual Volume Purged (L)**	**Purge Rate (mL/min)**
036	OW-257	JC	2/6/24 9:59	7.29	41.90	JC	2/6/2024	10:02	10:14	Submersible Pump	2"	2.0	166.7
037	PZ-170	JC	2/6/24 9:01	15.91	34.00	JC	2/6/2024	09:08	09:24	Submersible Pump	2"	2.0	125.0
038	PZ-182	JC	2/6/24 12:10	19.91	37.10	JC	2/6/2024	12:13	12:37	Submersible Pump	2"	6.0	250.0
039	TPZ-164				12.90			00:00	00:00				
040	XPW01	JC	2/8/24 8:43	9.86	14.53	JC	2/8/2024	08:44	09:06	Bladder Pump	2"	6.0	272.7
041	XPW05				31.15			00:00	00:00				
042	XPW06	JC	2/6/24 11:12	2.38	9.66	JC	2/6/2024	11:12	11:23	Bladder Pump	2"	2.0	181.8
043	Field Blank				-			00:00	00:00				
044	MW-304 Duplicate	TAC	2/5/24 12:35	9.52	57.50	TAC	2/5/2024	12:38	12:54	Bladder Pump	2"	3.0	187.5
045	Equipment Blank 1				-			00:00	00:00				

Site Samping Event: Baldwin 1Q24
LIMS Workorder: 24011852
Technician(s): DC, JC, TC, BG

Groundwater Sampling Summary
Baldwin- 1Q 2024

WO Sample	Well ID	Sampling Activities and Observations										
		Sampler Initials	Date	Time	Time	Sampling Method	Field Filtered	Appearance	Odor	Color	Post-Sample DTW (ft)	Drawdown (ft)
001	MW-104DR	DC	02/05/24	1447	14:47	Low Flow	Yes	Clear	None	None	12.31	0.55
002	MW-104SR	DC	02/05/24	1527	15:27	Low Flow	Yes	Clear	None	None	14.13	2.51
003	MW-150	DC	02/07/24	1112	11:12	Low Flow	Yes	Clear	None	None	19.86	0.55
004	MW-151	JC	02/07/24	1126	11:26	Low Flow	Yes	Clear	None	none	9.28	2.7
005	MW-152	JC	02/07/24	1305	13:05	Low Flow	Yes	Slightly cloudy	None	none	7.03	0.28
006	MW-153	DC	02/08/24	948	09:48	Low Flow	Yes	Clear	None	None	16.71	1.51
007	MW-154	JC	02/06/24	856	08:56							
008	MW-155											
009	MW-192	DC	02/06/24	1018	10:18	Low Flow	No	Clear	None	None	13.54	5.27
010	MW-193	DC	02/06/24	1228	12:28	Low Flow	No	Clear	None	None	9.61	0.88
011	MW-252	JC	02/07/24	1202	12:02	Low Flow	Yes	Clear	None	none	6.01	2.89
012	MW-253	DC	02/08/24	1036	10:36	Low Flow	Yes	Clear	None	None	19.83	5.07
013	MW-304	DC	02/05/24	1254	12:54	Low Flow	Yes	Clear	None	None	13.09	3.57
014	MW-306	JC	02/07/24	929	09:29	Low Flow	Yes	Clear	None	none	21.03	3.28
015	MW-350	DC	02/07/24	1156	11:56	Low Flow	Yes	Clear	Slight	None	27.74	3.53
016	MW-352	JC	02/07/24	1146	11:46	Low Flow	Yes	Clear	None	none	6.21	1.59
017	MW-355											
018	MW-356	DC	02/07/24	932	09:32	Low Flow	No	Clear	None	None	7.58	2.98
019	MW-358	JC	02/06/24	1522	15:22	Low Flow	No	Slightly cloudy	None	none	11.63	5.83
020	MW-366	JC	02/07/24	1023	10:23	Low Flow	No	Clear	None	none	17.48	3.17
021	MW-369	JC	02/06/24	1052	10:52	Low Flow	No	Clear	None	none	12.45	0.21
022	MW-370	JC	02/06/24	941	09:41	Low Flow	No	Clear	None	none	20.16	1.97
023	MW-375	DC	02/07/24	1324	13:24	Low Flow	No	Clear	None	None	39.48	5.57
024	MW-377	JC	02/07/24	1333	13:33	Low Flow	No	Clear	None	none	6.72	0
025	MW-382	JC	02/06/24	1208	12:08	Low Flow	No	Slightly cloudy	None	none	19.64	3.01
026	MW-383	JC	02/06/24	1414	14:14	Low Flow	No	Clear	None	none	22.23	2.53
027	MW-384	JC	02/06/24	1331	13:31	Low Flow	No	Clear	None	none	18.80	2.76
028	MW-390	JC	02/06/24	1258	12:58	Low Flow	No	Clear	None	none	9.95	1.7
029	MW-391	JC	02/09/24	858	08:58	Low Flow	No	Slightly cloudy	None	none	73.45	2.99
030	MW-392	DC	02/06/24	1120	11:20	Low Flow	No	Clear	Slight	None	16.36	7.55
031	MW-393	DC	02/06/24	1315	13:15	Low Flow	No	Clear	Slight	None	13.91	5.8
032	MW-394	DC	02/06/24	1416	14:16	Low Flow	No	Clear	Strong	None	9.88	3.31
033	OW-156	TAC	02/07/24	1020	10:20							
034	OW-157	TAC	02/07/24	1035	10:35							
035	OW-256	DC	02/07/24	1006	10:06	Low Flow	No	Clear	None	None	11.31	1.93

Site Samping Event: Baldwin 1Q24
LIMS Workorder: 24011852
Technician(s): DC, JC, TC, BG

Groundwater Sampling Summary
Baldwin- 1Q 2024

WO Sample	Well ID	Sampling Activities and Observations										
		Sampler Initials	Date	Time	Time	Sampling Method	Field Filtered	Appearance	Odor	Color	Post-Sample DTW (ft)	Drawdown (ft)
036	OW-257	JC	02/06/24	1014	10:14	Low Flow	No	Clear	None	none	10.61	3.32
037	PZ-170	JC	02/06/24	924	09:24	Low Flow	No	Clear	None	none	18.21	2.3
038	PZ-182	JC	02/06/24	1237	12:37	Low Flow	No	Clear	None	none	22.82	2.91
039	TPZ-164											
040	XPW01	JC	02/08/24	906	09:06	Low Flow	No	Clear	None	none	9.86	0
041	XPW05											
042	XPW06	JC	02/06/24	1123	11:23	Low Flow	No	Clear	None	none	2.38	0
043	Field Blank	JC	02/08/24	1036	10:36							
044	MW-304 Duplicate	DC	02/05/24	1254	12:54	Low Flow	Yes	Clear	None	None	13.09	3.57
045	Equipment Blank 1	JC	02/08/24	1042	10:42							

Site Samping Event: Baldwin 1Q24
LIMS Workorder: 24011852
Technician(s): DC, JC, TC, BG

Groundwater Sampling Summary
Baldwin- 1Q 2024

WO Sample	Well ID	COMMENTS
001	MW-104DR	
002	MW-104SR	
003	MW-150	
004	MW-151	
005	MW-152	
006	MW-153	
007	MW-154	Dry; no sample
008	MW-155	Unable to access (attempt in future)
009	MW-192	
010	MW-193	
011	MW-252	
012	MW-253	
013	MW-304	
014	MW-306	
015	MW-350	
016	MW-352	
017	MW-355	Unable to access (attempt in future)
018	MW-356	
019	MW-358	
020	MW-366	
021	MW-369	
022	MW-370	
023	MW-375	
024	MW-377	
025	MW-382	
026	MW-383	
027	MW-384	
028	MW-390	
029	MW-391	
030	MW-392	
031	MW-393	
032	MW-394	
033	OW-156	Stabilization data only
034	OW-157	Stabilization data only
035	OW-256	

Site Samping Event: Baldwin 1Q24
LIMS Workorder: 24011852
Technician(s): DC, JC, TC, BG

Groundwater Sampling Summary
Baldwin- 1Q 2024

WO Sample	Well ID	COMMENTS
036	OW-257	
037	PZ-170	
038	PZ-182	
039	TPZ-164	Unable to access (attempt in future)
040	XPW01	
041	XPW05	Unable to access (attempt in future)
042	XPW06	
043	Field Blank	
044	MW-304 Duplicate	
045	Equipment Blank 1	

Site Samping Event: Baldwin 1Q24
LIMS Workorder: 24011852
Technician(s): DC, JC, TC, BG

Stabilized Field Parameters Summary
Baldwin- 1Q 2024

Well ID	Date	Time	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	DTW (ft)	LIMS ID
MW-104DR	2/5/2024	14:47	15.5	59.9	6.86	951.7	0.79	4.94	78.9	11.76	24011852-001A
MW-104SR	2/5/2024	15:27	14.3	57.7	6.67	1,040.4	0.56	2.47	3.1	11.62	24011852-002A
MW-150	2/7/2024	11:12	14.1	57.4	7.00	1,723.1	2.53	0.49	51.5	19.31	24011852-003A
MW-151	2/7/2024	11:26	12.8	55.0	6.91	865.6	3.24	24.38	137.4	6.58	24011852-004A
MW-152	2/7/2024	13:05	12.7	54.9	6.70	1,449.7	0.90	46.38	143.5	6.75	24011852-005A
MW-153	2/8/2024	9:48	14.2	57.6	6.66	566.4	2.33	4.16	133.9	15.20	24011852-006A
MW-154	2/6/2024	8:56	*Dry; No Sample*							15.34	24011852-007A
MW-155	*Unable to Access*										24011852-008A
MW-192	2/6/2024	10:18	14.3	57.7	6.75	695.3	0.53	6.02	141.0	8.27	24011852-009A
MW-193	2/6/2024	12:28	15.9	60.6	6.69	863.0	1.08	7.21	58.9	8.73	24011852-010A
MW-252	2/7/2024	12:02	14.7	58.5	6.90	1,319.8	3.85	14.44	138.4	3.12	24011852-011A
MW-253	2/8/2024	10:36	14.3	57.7	11.25	729.8	0.74	22.17	31.0	14.76	24011852-012A
MW-304	2/5/2024	12:54	14.8	58.6	7.70	2,275.1	0.51	6.83	92.5	9.52	24011852-013A
MW-306	2/7/2024	9:29	13.7	56.7	10.22	440.0	1.51	13.08	7.4	17.75	24011852-014A
MW-350	2/7/2024	11:56	14.4	57.9	11.36	750.0	3.18	4.20	-28.3	24.21	24011852-015A
MW-352	2/7/2024	11:46	12.9	55.3	7.31	1,672.0	2.92	5.91	134.6	4.62	24011852-016A
MW-355	*Unable to Access*										24011852-017A
MW-356	2/7/2024	9:32	13.2	55.8	7.59	1,073.4	0.51	2.73	-34.2	4.60	24011852-018A
MW-358	2/6/2024	15:22	13.3	55.9	7.91	3,501.3	0.76	47.99	-170.2	5.80	24011852-019A
MW-366	2/7/2024	10:23	13.8	56.9	6.58	1,533.0	1.35	20.00	147.2	14.31	24011852-020A
MW-369	2/6/2024	10:52	13.8	56.8	8.06	2,232.0	2.02	24.38	54.8	12.24	24011852-021A
MW-370	2/6/2024	9:41	14.0	57.2	7.39	4,572.2	1.60	8.93	14.8	18.19	24011852-022A
MW-375	2/7/2024	13:24	14.1	57.4	7.66	1,516.2	0.48	13.97	70.1	33.91	24011852-023A
MW-377	2/7/2024	13:33	14.6	58.3	7.10	890.8	1.52	7.41	130.0	6.72	24011852-024A
MW-382	2/6/2024	12:08	14.9	58.9	7.76	1,473.4	0.96	107.56	63.6	16.63	24011852-025A
MW-383	2/6/2024	14:14	16.2	61.1	7.60	1,176.1	1.26	16.41	67.3	19.70	24011852-026A
MW-384	2/6/2024	13:31	16.4	61.5	8.05	2,211.5	1.54	12.02	45.1	16.04	24011852-027A
MW-390	2/6/2024	12:58	13.8	56.9	7.12	2,175.0	2.59	12.71	12.2	8.25	24011852-028A
MW-391	2/9/2024	8:58	14.4	58.0	7.06	3,277.6	3.76	37.44	141.6	70.46	24011852-029A
MW-392	2/6/2024	11:20	14.3	57.7	7.64	3,026.5	1.43	9.55	-7.8	8.81	24011852-030A
MW-393	2/6/2024	13:15	15.3	59.5	8.12	3,800.2	0.40	6.62	-141.5	8.11	24011852-031A
MW-394	2/6/2024	14:16	14.1	57.4	7.94	3,959.9	0.43	1.62	-263.5	6.57	24011852-032A
OW-156	2/7/2024	10:20	13.4	56.1	6.90	848.8	6.21	79.90	62.8	7.39	24011852-033A
OW-157	2/7/2024	10:35	14.2	57.6	6.49	3,228.0	4.71	61.91	89.7	6.24	24011852-034A
OW-256	2/7/2024	10:06	14.9	58.8	6.75	779.7	0.83	2.35	24.5	9.38	24011852-035A
OW-257	2/6/2024	10:14	12.1	53.7	7.20	880.8	4.64	12.52	60.8	7.29	24011852-036A
PZ-170	2/6/2024	9:24	14.4	57.9	6.50	1,271.4	1.80	19.37	-52.8	15.91	24011852-037A
PZ-182	2/6/2024	12:37	15.6	60.0	6.51	1,010.8	1.30	24.12	9.5	19.91	24011852-038A
TPZ-164	*Unable to Access*										24011852-039A
XPW01	2/8/2024	9:06	14.4	58.0	6.60	625.2	1.20	11.43	145.8	9.86	24011852-040A
XPW05	*Unable to Access*										24011852-041A
XPW06	2/6/2024	11:23	11.1	52.0	7.28	825.1	2.16	10.85	73.0	2.38	24011852-042A
Field Blank	2/8/2024	10:36	*QA/QC Sample*								24011852-043A

Site Samping Event: Baldwin 1Q24
LIMS Workorder: 24011852
Technician(s): DC, JC, TC, BG

Stabilized Field Parameters Summary
Baldwin- 1Q 2024

Well ID	Date	Time	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	DTW (ft)	LIMS ID
MW-304 Duplicate	2/5/2024	12:54	14.8	58.6	7.70	2,275.1	0.51	6.83	92.5	9.52	24011852-044A
Equipment Blank 1	2/8/2024	10:42	*QA/QC Sample*								24011852-045A

Site Samping Event: Baldwin 1Q24
LIMS Workorder: 24011852
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Baldwin- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-104DR	2/05/2024	14:38	11.76	15.5	59.9	6.87	957.2	0.98	4.84	76.0
MW-104DR	2/05/2024	14:41	11.76	15.4	59.7	6.87	955.7	0.88	4.55	76.8
MW-104DR	2/05/2024	14:44	11.76	15.4	59.7	6.86	952.9	0.82	4.89	78.0
MW-104DR	2/05/2024	14:47	11.76	15.5	59.9	6.86	951.7	0.79	4.94	78.9

Site Samping Event: Baldwin 1Q24
LIMS Workorder: 24011852
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Baldwin- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-104SR	2/05/2024	15:18	11.62	14.2	57.6	6.68	1,040.8	0.90	2.97	3.5
MW-104SR	2/05/2024	15:21	11.62	14.3	57.7	6.68	1,041.6	0.80	2.25	4.1
MW-104SR	2/05/2024	15:24	11.62	14.3	57.7	6.67	1,041.8	0.65	2.42	4.2
MW-104SR	2/05/2024	15:27	11.62	14.3	57.7	6.67	1,040.4	0.56	2.47	3.1

Site Samping Event: Baldwin 1Q24
LIMS Workorder: 24011852
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Baldwin- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-150	2/07/2024	11:00	19.31	14.0	57.2	7.02	1,720.5	1.99	3.76	41.2
MW-150	2/07/2024	11:03	19.31	14.0	57.2	7.01	1,726.9	2.60	2.75	45.6
MW-150	2/07/2024	11:06	19.31	14.1	57.4	7.00	1,727.4	2.86	1.25	48.6
MW-150	2/07/2024	11:09	19.31	14.1	57.4	7.00	1,726.1	2.75	0.67	50.5
MW-150	2/07/2024	11:12	19.31	14.1	57.4	7.00	1,723.1	2.53	0.49	51.5

Site Samping Event: Baldwin 1Q24
LIMS Workorder: 24011852
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Baldwin- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-151	2/07/2024	11:17	6.58	12.2	53.9	6.98	876.7	4.12	34.37	134.6
MW-151	2/07/2024	11:20	6.58	12.3	54.1	6.94	873.7	3.74	31.14	136.0
MW-151	2/07/2024	11:23	6.58	12.5	54.5	6.92	869.8	3.47	26.78	136.8
MW-151	2/07/2024	11:26	6.58	12.8	55.0	6.91	865.6	3.24	24.38	137.4

Site Samping Event: Baldwin 1Q24
LIMS Workorder: 24011852
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Baldwin- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-152	2/07/2024	12:44	6.75	12.5	54.5	6.70	1,454.5	1.13	109.01	144.0
MW-152	2/07/2024	12:47	6.75	12.5	54.5	6.70	1,454.4	1.09	92.48	143.9
MW-152	2/07/2024	12:50	6.75	12.6	54.6	6.70	1,453.2	1.05	80.47	143.8
MW-152	2/07/2024	12:53	6.75	12.6	54.6	6.70	1,452.9	1.02	71.69	143.8
MW-152	2/07/2024	12:56	6.75	12.6	54.6	6.70	1,451.2	0.99	58.75	143.7
MW-152	2/07/2024	12:59	6.75	12.6	54.7	6.70	1,450.9	0.96	53.70	143.6
MW-152	2/07/2024	13:02	6.75	12.7	54.8	6.70	1,449.6	0.93	47.70	143.5
MW-152	2/07/2024	13:05	6.75	12.7	54.9	6.70	1,449.7	0.90	46.38	143.5

Site Samping Event: Baldwin 1Q24
LIMS Workorder: 24011852
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Baldwin- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-153	2/08/2024	9:42	15.20	14.2	57.6	6.65	569.6	2.11	8.19	136.8
MW-153	2/08/2024	9:45	15.20	14.2	57.6	6.65	568.1	2.25	6.47	135.2
MW-153	2/08/2024	9:48	15.20	14.2	57.6	6.66	566.4	2.33	4.16	133.9

Site Samping Event: Baldwin 1Q24
LIMS Workorder: 24011852
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Baldwin- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-154	2/6/2024	8:56	15.34	*Dry; No Sample*						

Site Samping Event: Baldwin 1Q24
LIMS Workorder: 24011852
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Baldwin- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-155	*Unable to Access*									

Site Samping Event: Baldwin 1Q24
LIMS Workorder: 24011852
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Baldwin- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-192	2/06/2024	10:09	8.27	14.4	57.9	6.72	702.9	0.74	6.76	155.8
MW-192	2/06/2024	10:12	8.27	14.5	58.1	6.73	700.2	0.62	6.50	150.7
MW-192	2/06/2024	10:15	8.27	14.2	57.6	6.74	697.4	0.58	6.42	145.9
MW-192	2/06/2024	10:18	8.27	14.3	57.7	6.75	695.3	0.53	6.02	141.0

Site Samping Event: Baldwin 1Q24
LIMS Workorder: 24011852
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Baldwin- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-193	2/06/2024	12:10	8.73	15.5	59.9	6.77	871.3	1.69	12.49	65.8
MW-193	2/06/2024	12:13	8.73	15.6	60.1	6.74	868.9	1.44	11.41	64.6
MW-193	2/06/2024	12:16	8.73	15.7	60.3	6.72	868.9	1.34	9.93	63.2
MW-193	2/06/2024	12:19	8.73	15.7	60.3	6.71	867.2	1.28	19.60	61.5
MW-193	2/06/2024	12:22	8.73	15.7	60.3	6.70	865.9	1.23	9.83	60.4
MW-193	2/06/2024	12:25	8.73	15.8	60.4	6.70	864.5	1.11	8.62	59.7
MW-193	2/06/2024	12:28	8.73	15.9	60.6	6.69	863.0	1.08	7.21	58.9

Site Samping Event: Baldwin 1Q24
LIMS Workorder: 24011852
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Baldwin- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-252	2/07/2024	11:56	3.12	14.2	57.6	7.10	1,316.3	5.16	14.58	132.0
MW-252	2/07/2024	11:59	3.12	14.4	57.9	6.93	1,318.4	4.17	14.43	137.0
MW-252	2/07/2024	12:02	3.12	14.7	58.5	6.90	1,319.8	3.85	14.44	138.4

Site Samping Event: Baldwin 1Q24
LIMS Workorder: 24011852
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Baldwin- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-253	2/08/2024	10:24	14.76	14.4	57.9	11.18	711.4	1.45	16.97	38.0
MW-253	2/08/2024	10:27	14.76	14.4	57.9	11.22	723.1	1.25	22.44	34.9
MW-253	2/08/2024	10:30	14.76	14.3	57.7	11.24	727.6	0.87	26.76	33.2
MW-253	2/08/2024	10:33	14.76	14.3	57.7	11.25	729.1	0.77	29.08	32.0
MW-253	2/08/2024	10:36	14.76	14.3	57.7	11.25	729.8	0.74	22.17	31.0

Site Samping Event: Baldwin 1Q24
LIMS Workorder: 24011852
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Baldwin- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-304	2/05/2024	12:48	9.52	14.8	58.6	7.70	2,278.2	0.61	7.73	90.0
MW-304	2/05/2024	12:51	9.52	14.7	58.5	7.70	2,277.1	0.54	6.44	91.4
MW-304	2/05/2024	12:54	9.52	14.8	58.6	7.70	2,275.1	0.51	6.83	92.5

Site Samping Event: Baldwin 1Q24
LIMS Workorder: 24011852
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Baldwin- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-306	2/07/2024	9:20	17.75	13.7	56.6	10.18	483.1	2.64	12.22	23.5
MW-306	2/07/2024	9:23	17.75	13.7	56.7	10.22	468.2	2.05	12.48	14.3
MW-306	2/07/2024	9:26	17.75	13.7	56.6	10.21	454.5	1.75	17.82	10.2
MW-306	2/07/2024	9:29	17.75	13.7	56.7	10.22	440.0	1.51	13.08	7.4

Site Samping Event: Baldwin 1Q24
LIMS Workorder: 24011852
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Baldwin- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-350	2/07/2024	11:47	24.21	14.1	57.4	11.12	655.0	3.07	7.69	-18.0
MW-350	2/07/2024	11:50	24.21	14.2	57.6	11.20	682.8	3.08	6.54	-22.0
MW-350	2/07/2024	11:53	24.21	14.2	57.6	11.28	719.5	3.09	5.30	-25.6
MW-350	2/07/2024	11:56	24.21	14.4	57.9	11.36	750.0	3.18	4.20	-28.3

Site Samping Event: Baldwin 1Q24
LIMS Workorder: 24011852
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Baldwin- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-352	2/07/2024	11:40	4.62	12.4	54.3	7.32	1,648.4	4.58	5.83	139.6
MW-352	2/07/2024	11:43	4.62	12.6	54.7	7.31	1,662.7	3.78	6.19	136.8
MW-352	2/07/2024	11:46	4.62	12.9	55.3	7.31	1,672.0	2.92	5.91	134.6

Site Samping Event: Baldwin 1Q24
LIMS Workorder: 24011852
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Baldwin- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-355	*Unable to Access*									

Site Samping Event: Baldwin 1Q24
LIMS Workorder: 24011852
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Baldwin- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-356	2/07/2024	9:23	4.60	13.2	55.8	7.57	1,150.9	0.75	4.24	10.7
MW-356	2/07/2024	9:26	4.60	13.2	55.8	7.59	1,127.7	0.61	3.57	-20.7
MW-356	2/07/2024	9:29	4.60	13.2	55.8	7.60	1,099.0	0.55	3.36	-31.2
MW-356	2/07/2024	9:32	4.60	13.2	55.8	7.59	1,073.4	0.51	2.73	-34.2

Site Samping Event: Baldwin 1Q24
LIMS Workorder: 24011852
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Baldwin- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-358	2/06/2024	14:58	5.80	13.2	55.8	7.90	4,082.1	1.25	104.02	-77.5
MW-358	2/06/2024	15:01	5.80	13.2	55.8	7.91	4,031.3	1.13	85.10	-87.9
MW-358	2/06/2024	15:04	5.80	13.3	55.9	7.91	4,019.4	1.04	72.84	-97.6
MW-358	2/06/2024	15:07	5.80	13.3	55.9	7.91	3,973.7	0.97	53.08	-107.8
MW-358	2/06/2024	15:10	5.80	13.3	55.9	7.91	3,963.0	0.92	63.27	-119.3
MW-358	2/06/2024	15:13	5.80	13.2	55.8	7.91	3,968.6	0.87	54.40	-129.8
MW-358	2/06/2024	15:16	5.80	13.3	55.9	7.92	3,920.5	0.83	62.22	-141.8
MW-358	2/06/2024	15:19	5.80	13.2	55.8	7.92	3,749.6	0.79	46.79	-155.7
MW-358	2/06/2024	15:22	5.80	13.3	55.9	7.91	3,501.3	0.76	47.99	-170.2

Site Samping Event: Baldwin 1Q24
LIMS Workorder: 24011852
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Baldwin- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-366	2/07/2024	10:17	14.31	13.8	56.8	6.60	1,533.3	1.66	26.54	143.6
MW-366	2/07/2024	10:20	14.31	13.8	56.8	6.59	1,533.9	1.48	21.95	145.9
MW-366	2/07/2024	10:23	14.31	13.8	56.9	6.58	1,533.0	1.35	20.00	147.2

Site Samping Event: Baldwin 1Q24
LIMS Workorder: 24011852
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Baldwin- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-369	2/06/2024	10:43	12.24	13.6	56.5	7.31	1,083.8	6.40	8.31	74.6
MW-369	2/06/2024	10:46	12.24	13.4	56.2	7.31	2,028.0	3.79	13.16	85.2
MW-369	2/06/2024	10:49	12.24	13.6	56.4	7.78	2,301.5	2.65	23.49	69.8
MW-369	2/06/2024	10:52	12.24	13.8	56.8	8.06	2,232.0	2.02	24.38	54.8

Site Samping Event: Baldwin 1Q24
LIMS Workorder: 24011852
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Baldwin- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-370	2/06/2024	9:35	18.19	13.8	56.8	7.17	4,426.1	3.55	10.21	25.9
MW-370	2/06/2024	9:38	18.19	13.9	57.0	7.32	4,569.2	2.16	10.71	18.5
MW-370	2/06/2024	9:41	18.19	14.0	57.2	7.39	4,572.2	1.60	8.93	14.8

Site Samping Event: Baldwin 1Q24
LIMS Workorder: 24011852
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Baldwin- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-375	2/07/2024	13:15	33.91	14.1	57.4	7.61	1,609.6	0.76	14.82	73.5
MW-375	2/07/2024	13:18	33.91	14.0	57.2	7.63	1,569.6	0.60	11.53	72.1
MW-375	2/07/2024	13:21	33.91	14.0	57.2	7.65	1,538.4	0.53	14.72	71.1
MW-375	2/07/2024	13:24	33.91	14.1	57.4	7.66	1,516.2	0.48	13.97	70.1

Site Samping Event: Baldwin 1Q24
LIMS Workorder: 24011852
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Baldwin- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-377	2/07/2024	13:24	6.72	14.3	57.7	7.38	884.6	5.52	9.69	132.8
MW-377	2/07/2024	13:27	6.72	14.5	58.1	7.17	904.7	2.88	22.44	132.0
MW-377	2/07/2024	13:30	6.72	14.6	58.3	7.12	895.6	1.94	12.01	130.9
MW-377	2/07/2024	13:33	6.72	14.6	58.3	7.10	890.8	1.52	7.41	130.0

Site Samping Event: Baldwin 1Q24
LIMS Workorder: 24011852
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Baldwin- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-382	2/06/2024	11:47	16.63	14.8	58.7	7.79	1,499.7	2.14	37.91	71.6
MW-382	2/06/2024	11:50	16.63	14.8	58.6	7.78	1,469.0	1.72	30.32	69.4
MW-382	2/06/2024	11:53	16.63	14.8	58.6	7.77	1,447.3	1.46	53.68	68.1
MW-382	2/06/2024	11:56	16.63	14.9	58.8	7.75	1,436.1	1.30	83.76	67.2
MW-382	2/06/2024	11:59	16.63	14.9	58.8	7.74	1,442.0	1.18	100.97	66.6
MW-382	2/06/2024	12:02	16.63	14.9	58.8	7.74	1,449.2	1.09	108.23	65.6
MW-382	2/06/2024	12:05	16.63	14.9	58.8	7.75	1,468.1	1.02	97.18	64.8
MW-382	2/06/2024	12:08	16.63	14.9	58.9	7.76	1,473.4	0.96	107.56	63.6

Site Samping Event: Baldwin 1Q24
LIMS Workorder: 24011852
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Baldwin- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-383	2/06/2024	13:59	19.70	16.9	62.5	8.01	1,166.9	4.80	8.72	61.0
MW-383	2/06/2024	14:02	19.70	17.2	62.9	7.72	1,174.9	2.65	24.80	66.3
MW-383	2/06/2024	14:05	19.70	16.9	62.5	7.66	1,181.4	1.97	24.43	67.5
MW-383	2/06/2024	14:08	19.70	16.4	61.6	7.63	1,180.4	1.63	21.17	67.6
MW-383	2/06/2024	14:11	19.70	16.3	61.3	7.62	1,178.2	1.41	18.66	67.5
MW-383	2/06/2024	14:14	19.70	16.2	61.1	7.60	1,176.1	1.26	16.41	67.3

Site Samping Event: Baldwin 1Q24
LIMS Workorder: 24011852
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Baldwin- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-384	2/06/2024	13:22	16.04	16.4	61.5	7.76	2,148.7	4.33	21.33	63.8
MW-384	2/06/2024	13:25	16.04	16.3	61.4	7.93	2,200.8	2.65	18.76	54.8
MW-384	2/06/2024	13:28	16.04	16.4	61.6	8.02	2,211.3	1.90	14.03	48.8
MW-384	2/06/2024	13:31	16.04	16.4	61.5	8.05	2,211.5	1.54	12.02	45.1

Site Samping Event: Baldwin 1Q24
LIMS Workorder: 24011852
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Baldwin- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-390	2/06/2024	12:52	8.25	13.5	56.3	6.95	1,062.6	5.05	21.53	5.1
MW-390	2/06/2024	12:55	8.25	13.8	56.8	6.96	2,165.9	3.33	13.83	13.9
MW-390	2/06/2024	12:58	8.25	13.8	56.9	7.12	2,175.0	2.59	12.71	12.2

Site Samping Event: Baldwin 1Q24
LIMS Workorder: 24011852
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Baldwin- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-391	2/09/2024	8:57	70.46	14.4	58.0	7.04	3,276.3	3.83	36.57	142.6
MW-391	2/09/2024	8:58	70.46	14.4	58.0	7.05	3,277.0	3.79	37.14	142.1
MW-391	2/09/2024	8:58	70.46	14.4	58.0	7.06	3,277.6	3.76	37.44	141.6

Site Samping Event: Baldwin 1Q24
LIMS Workorder: 24011852
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Baldwin- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-392	2/06/2024	11:11	8.81	14.4	57.9	7.62	2,985.0	1.46	8.49	12.3
MW-392	2/06/2024	11:14	8.81	14.3	57.7	7.63	3,001.0	1.46	7.84	4.4
MW-392	2/06/2024	11:17	8.81	14.3	57.7	7.63	3,013.9	1.45	9.11	-2.0
MW-392	2/06/2024	11:20	8.81	14.3	57.7	7.64	3,026.5	1.43	9.55	-7.8

Site Samping Event: Baldwin 1Q24
LIMS Workorder: 24011852
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Baldwin- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-393	2/06/2024	13:06	8.11	15.3	59.5	8.09	3,720.6	0.56	10.14	-91.3
MW-393	2/06/2024	13:09	8.11	15.4	59.7	8.11	3,750.5	0.48	8.50	-113.9
MW-393	2/06/2024	13:12	8.11	15.4	59.7	8.11	3,777.9	0.44	6.97	-129.4
MW-393	2/06/2024	13:15	8.11	15.3	59.5	8.12	3,800.2	0.40	6.62	-141.5

Site Samping Event: Baldwin 1Q24
LIMS Workorder: 24011852
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Baldwin- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-394	2/06/2024	14:07	6.57	14.2	57.6	7.84	3,951.8	0.91	8.84	-187.9
MW-394	2/06/2024	14:10	6.57	14.1	57.4	7.88	3,978.8	0.66	5.23	-213.1
MW-394	2/06/2024	14:13	6.57	14.1	57.4	7.91	3,972.6	0.51	3.49	-237.8
MW-394	2/06/2024	14:16	6.57	14.1	57.4	7.94	3,959.9	0.43	1.62	-263.5

Site Samping Event: Baldwin 1Q24
LIMS Workorder: 24011852
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Baldwin- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
OW-156	2/07/2024	10:20	7.39	13.4	56.1	6.90	848.8	6.21	79.90	62.8

Site Samping Event: Baldwin 1Q24
LIMS Workorder: 24011852
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Baldwin- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
OW-157	2/07/2024	10:35	6.24	14.2	57.6	6.49	3,228.0	4.71	61.91	89.7

Site Samping Event: Baldwin 1Q24
LIMS Workorder: 24011852
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Baldwin- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
OW-256	2/07/2024	9:57	9.38	14.6	58.3	6.77	776.2	1.09	6.15	20.5
OW-256	2/07/2024	10:00	9.38	14.9	58.8	6.75	779.2	0.88	3.95	21.9
OW-256	2/07/2024	10:03	9.38	14.8	58.6	6.75	779.3	0.86	2.70	23.3
OW-256	2/07/2024	10:06	9.38	14.9	58.8	6.75	779.7	0.83	2.35	24.5

Site Samping Event: Baldwin 1Q24
LIMS Workorder: 24011852
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Baldwin- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
OW-257	2/06/2024	10:05	7.29	12.8	55.1	7.53	888.6	6.14	16.40	29.3
OW-257	2/06/2024	10:08	7.29	12.7	54.9	7.28	883.2	5.22	14.33	46.6
OW-257	2/06/2024	10:11	7.29	11.9	53.4	7.22	887.2	4.86	13.27	55.6
OW-257	2/06/2024	10:14	7.29	12.1	53.7	7.20	880.8	4.64	12.52	60.8

Site Samping Event: Baldwin 1Q24
LIMS Workorder: 24011852
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Baldwin- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
PZ-170	2/06/2024	9:12	15.91	14.9	58.8	6.36	1,279.4	3.28	21.48	76.1
PZ-170	2/06/2024	9:15	15.91	14.4	58.0	6.43	1,278.9	2.55	24.26	47.9
PZ-170	2/06/2024	9:18	15.91	14.3	57.8	6.47	1,279.9	2.20	23.17	9.8
PZ-170	2/06/2024	9:21	15.91	14.0	57.2	6.49	1,279.9	1.97	21.34	-27.1
PZ-170	2/06/2024	9:24	15.91	14.4	57.9	6.50	1,271.4	1.80	19.37	-52.8

Site Samping Event: Baldwin 1Q24
LIMS Workorder: 24011852
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Baldwin- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
PZ-182	2/06/2024	12:25	19.91	15.8	60.4	6.54	992.2	1.42	51.62	-17.3
PZ-182	2/06/2024	12:28	19.91	16.3	61.4	6.63	13.5	3.71	52.82	-4.4
PZ-182	2/06/2024	12:31	19.91	15.2	59.4	6.61	998.8	3.39	38.59	14.0
PZ-182	2/06/2024	12:34	19.91	15.5	59.9	6.52	1,006.7	1.72	26.67	10.5
PZ-182	2/06/2024	12:37	19.91	15.6	60.0	6.51	1,010.8	1.30	24.12	9.5

Site Samping Event: Baldwin 1Q24
LIMS Workorder: 24011852
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Baldwin- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
TPZ-164	*Unable to Access*									

Site Samping Event: Baldwin 1Q24
LIMS Workorder: 24011852
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Baldwin- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
XPW01	2/08/2024	9:00	9.86	14.4	58.0	6.53	625.0	1.47	20.70	146.3
XPW01	2/08/2024	9:03	9.86	14.4	58.0	6.57	625.0	1.32	12.93	146.1
XPW01	2/08/2024	9:06	9.86	14.4	58.0	6.60	625.2	1.20	11.43	145.8

Site Samping Event: Baldwin 1Q24
LIMS Workorder: 24011852
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Baldwin- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
XPW05	*Unable to Access*									

Site Samping Event: Baldwin 1Q24
LIMS Workorder: 24011852
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Baldwin- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
XPW06	2/06/2024	11:17	2.38	11.1	51.9	7.58	813.2	3.68	32.96	57.4
XPW06	2/06/2024	11:20	2.38	11.1	51.9	7.38	812.0	2.65	14.67	67.3
XPW06	2/06/2024	11:23	2.38	11.1	52.0	7.28	825.1	2.16	10.85	73.0

Site Samping Event: Baldwin 1Q24
LIMS Workorder: 24011852
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Baldwin- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
Field Blank	2/08/2024	10:36	*QA/QC Sample*							

Site Samping Event: Baldwin 1Q24
LIMS Workorder: 24011852
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Baldwin- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-304 Duplicate	2/05/2024	12:48	9.52	14.8	58.6	7.70	2,278.2	0.61	7.73	90.0
MW-304 Duplicate	2/05/2024	12:51	9.52	14.7	58.5	7.70	2,277.1	0.54	6.44	91.4
MW-304 Duplicate	2/05/2024	12:54	9.52	14.8	58.6	7.70	2,275.1	0.51	6.83	92.5

Site Samping Event: Baldwin 1Q24
LIMS Workorder: 24011852
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Baldwin- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
Equipment Blank	2/08/2024	10:42	*QA/QC Sample*							

Site Samping Event: Baldwin 1Q24
LIMS Workorder: 24011852
Technician(s): DC, JC, TC, BG

Field Calibration Log(s)
Baldwin- 1Q 2024

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 45720 Technician(s): justin colp Date: 2/6/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230830b	4.01	2/6/24 8:11
7.0 Buffer	wc230616f	7.02	2/6/24 8:04
10.0 Buffer	wc231027d	10.01	2/6/24 8:17
LCS/CCV (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1413	2/6/24 8:22

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.8	2/6/24 8:26
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %	Comments
LCS	2/6/24 8:29	15.2	7.02	1,416	1.9			
CCV (Midday)	2/6/24 13:34	17	7.03	1,431		-	-	
CCV	2/6/24 15:25	17.56	7.03	1,438				

Field Meter ID: Pine 45720 Technician(s): justin colp Date: 2/7/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230830b	4.00	2/7/24 8:02
7.0 Buffer	wc230616f	7.01	2/7/24 7:58
10.0 Buffer	wc231027d	10.01	2/7/24 8:07
LCS/CCV (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1414	2/7/24 8:12

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.83	2/7/24 8:14
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %	Comments
LCS	2/7/24 8:16	13.4	7.01	1,414				
CCV (Midday)	2/7/24 12:56	17.4	7.01	1,422	-	-	-	
CCV	2/7/24 14:13	18.17	7.03	1,451				

Site Samping Event: Baldwin 1Q24
LIMS Workorder: 24011852
Technician(s): DC, JC, TC, BG

Field Calibration Log(s)
Baldwin- 1Q 2024

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 45720 Technician(s): justin colp Date: 2/8/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230830b	4.00	2/8/24 8:28
7.0 Buffer	wc230616f	7.01	2/8/24 8:25
10.0 Buffer	wc231027d	10.00	2/8/24 8:33
LCS/CCV (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1418	2/8/24 8:38

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.89	2/8/24 8:40
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %	Comments
LCS	2/8/24 8:43	14.2	7.02	1,421	1.9			
CCV (Midday)					-	-	-	
CCV	2/8/24 10:53	17.3	7.02	1,432	1.94			

Field Meter ID: Pine 45720 Technician(s): justin colp Date: 2/92024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230830b	4.01	2/9/24 8:27
7.0 Buffer	wc230616f	7.02	2/9/24 8:25
10.0 Buffer	wc231027d	10.01	2/9/24 8:30
LCS/CCV (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1413	2/9/24 8:35

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	2.02	2/9/24 8:37
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %	Comments
LCS	2/9/24 8:39	15.1	7.02	1,417	2.03			
CCV (Midday)					-	-	-	
CCV	2/9/24 9:19	15.3	7.02	1,420	2.03			

Site Samping Event: Baldwin 1Q24
LIMS Workorder: 24011852
Technician(s): DC, JC, TC, BG

Field Calibration Log(s)
Baldwin- 1Q 2024

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 45600 Technician(s): Tracy Carroll/ Danny Crump Date: 2/5/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230830D	4.00	2/5/24 12:13
7.0 Buffer	WC230616F	7.00	2/5/24 12:16
10.0 Buffer	WC231027D	10.00	2/5/24 12:18
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1412	2/5/24 12:21

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0	2/5/24 12:26
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %	Comments
LCS	2/5/24 12:23	18.1	7.08	1,405	0.16			
CCV (Midday)					-	-	-	
CCV	2/5/24 15:38	20.1	7.01	1,420	0.21			

Field Meter ID: Pine 45600 Technician(s): Tracy Carroll/ Danny Crump Date: 2/6/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230830D	4.00	2/6/24 9:40
7.0 Buffer	WC230616F	7.00	2/6/24 9:43
10.0 Buffer	WC231027D	10.00	2/6/24 9:45
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1412	2/6/24 9:48

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.36	2/6/24 9:49
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %	Comments
LCS	2/6/24 9:55	11.5	7.09	1,412	0.36			
CCV (Midday)	2/6/24 12:19	14.5	7.08	1,413	-	-	-	
CCV	2/6/24 15:04	19.5	7.09	1,440	0.71			

Site Samping Event: Baldwin 1Q24
LIMS Workorder: 24011852
Technician(s): DC, JC, TC, BG

Field Calibration Log(s)
Baldwin- 1Q 2024

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 45600 Technician(s): Tracy Carroll/ Danny Crump Date: 2/7/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230830D	4.00	2/7/24 8:51
7.0 Buffer	WC230616F	7.00	2/7/24 8:54
10.0 Buffer	WC231027D	10.00	2/7/24 8:55
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1412	2/7/24 8:59

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1		
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %	Comments
LCS	2/7/24 9:06	9.5	7.09	1,411	0.1			
CCV (Midday)	2/7/24 12:52	15.8	7.02	1,440	-	-	-	
CCV	2/7/24 14:13	17.7	7.06	1,428	0.92			

Field Meter ID: Pine 45600 Technician(s): Tracy Carroll/Danny Crump Date: 2/8/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230830D	4.00	2/8/24 9:11
7.0 Buffer	WC230616F	7.00	2/8/24 9:13
10.0 Buffer	WC231027D	10.00	2/8/24 9:15
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1412	2/8/24 9:19

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.11	2/8/24 9:22
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %	Comments
LCS	2/8/24 9:26	12.1	7.09	1,411	0.12			
CCV (Midday)	2/8/24 13:02	15.4	7.05	1,416	-	-	-	
CCV	2/8/24 16:37	17.3	7.03	1,428	0.22			

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

March 11, 2024

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

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

RE: BAL-24Q1 **WorkOrder:** 24011853

Dear Eric Bauer:

TEKLAB, INC received 34 samples on 2/9/2024 10:30:00 AM 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
Client Project: BAL-24Q1

Work Order: 24011853
Report Date: 11-Mar-24

This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	5
Accreditations	6
Laboratory Results	7
Sample Summary	41
Receiving Check List	42
Chain of Custody	Appended

Definitions

Client: Ramboll **Work Order:** 24011853

Client Project: BAL-24Q1 **Report Date:** 11-Mar-24

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

Definitions

Client: Ramboll **Work Order:** 24011853

Client Project: BAL-24Q1 **Report Date:** 11-Mar-24

Qualifiers

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

Case Narrative

Client: Ramboll
Client Project: BAL-24Q1

Work Order: 24011853
Report Date: 11-Mar-24

Cooler Receipt Temp: 5.1 °C

An employee of Teklab, Inc. collected the sample(s). Equipment Blanks 2 and 3 were not required.

Ra226/228 analyses were performed by Eurofins-St. Louis. See attached report for results and QC.

Locations

Collinsville

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

Springfield

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

Kansas City

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

Collinsville Air

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

Chicago

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

Accreditations

Client: Ramboll **Work Order:** 24011853

Client Project: BAL-24Q1 **Report Date:** 11-Mar-24

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2025	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2024	Collinsville
Louisiana	LDEQ	05002	NELAP	6/30/2024	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2024	Collinsville
Oklahoma	ODEQ	9978	NELAP	8/31/2024	Collinsville
Arkansas	ADEQ	88-0966		3/14/2024	Collinsville
Illinois	IDPH	17584		5/31/2025	Collinsville
Iowa	IDNR	430		6/1/2024	Collinsville
Kentucky	UST	0073		1/31/2025	Collinsville
Missouri	MDNR	00930		10/31/2026	Collinsville
Missouri	MDNR	930		1/31/2025	Collinsville

Laboratory Results

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

Client: Ramboll **Work Order:** 24011853

Client Project: BAL-24Q1 **Report Date:** 11-Mar-24

Lab ID: 24011853-001 **Client Sample ID:** MW-150

Matrix: GROUNDWATER **Collection Date:** 02/07/2024 11:12

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	02/29/2024 12:13	R344196

Laboratory Results

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

Client: Ramboll **Work Order:** 24011853

Client Project: BAL-24Q1 **Report Date:** 11-Mar-24

Lab ID: 24011853-002 **Client Sample ID:** MW-151

Matrix: GROUNDWATER **Collection Date:** 02/07/2024 11:26

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	02/29/2024 12:13	R344196

Laboratory Results

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

Client: Ramboll **Work Order:** 24011853

Client Project: BAL-24Q1 **Report Date:** 11-Mar-24

Lab ID: 24011853-003 **Client Sample ID:** MW-152

Matrix: GROUNDWATER **Collection Date:** 02/07/2024 13:05

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	02/29/2024 12:13	R344196

Laboratory Results

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

Client: Ramboll **Work Order:** 24011853

Client Project: BAL-24Q1 **Report Date:** 11-Mar-24

Lab ID: 24011853-004 **Client Sample ID:** MW-153

Matrix: GROUNDWATER **Collection Date:** 02/08/2024 9:48

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	02/29/2024 12:13	R344196

Laboratory Results

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

Client: Ramboll **Work Order:** 24011853

Client Project: BAL-24Q1 **Report Date:** 11-Mar-24

Lab ID: 24011853-005 **Client Sample ID:** MW-192

Matrix: GROUNDWATER **Collection Date:** 02/06/2024 10:18

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	02/29/2024 12:14	R344196

Laboratory Results

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

Client: Ramboll **Work Order:** 24011853

Client Project: BAL-24Q1 **Report Date:** 11-Mar-24

Lab ID: 24011853-006 **Client Sample ID:** MW-193

Matrix: GROUNDWATER **Collection Date:** 02/06/2024 12:28

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	02/29/2024 12:14	R344196

Laboratory Results

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

Client: Ramboll **Work Order:** 24011853

Client Project: BAL-24Q1 **Report Date:** 11-Mar-24

Lab ID: 24011853-007 **Client Sample ID:** MW-252

Matrix: GROUNDWATER **Collection Date:** 02/07/2024 12:02

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	02/29/2024 12:14	R344196

Laboratory Results

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

Client: Ramboll **Work Order:** 24011853

Client Project: BAL-24Q1 **Report Date:** 11-Mar-24

Lab ID: 24011853-008 **Client Sample ID:** MW-253

Matrix: GROUNDWATER **Collection Date:** 02/08/2024 10:36

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	02/29/2024 12:14	R344196

Laboratory Results

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

Client: Ramboll **Work Order:** 24011853

Client Project: BAL-24Q1 **Report Date:** 11-Mar-24

Lab ID: 24011853-009 **Client Sample ID:** MW-304

Matrix: GROUNDWATER **Collection Date:** 02/05/2024 12:54

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	02/29/2024 12:14	R344196

Laboratory Results

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

Client: Ramboll **Work Order:** 24011853

Client Project: BAL-24Q1 **Report Date:** 11-Mar-24

Lab ID: 24011853-010 **Client Sample ID:** MW-306

Matrix: GROUNDWATER **Collection Date:** 02/07/2024 9:29

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	02/29/2024 12:14	R344196

Laboratory Results

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

Client: Ramboll **Work Order:** 24011853

Client Project: BAL-24Q1 **Report Date:** 11-Mar-24

Lab ID: 24011853-011 **Client Sample ID:** MW-350

Matrix: GROUNDWATER **Collection Date:** 02/07/2024 11:56

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	02/29/2024 12:14	R344196

Laboratory Results

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

Client: Ramboll **Work Order:** 24011853

Client Project: BAL-24Q1 **Report Date:** 11-Mar-24

Lab ID: 24011853-012 **Client Sample ID:** MW-352

Matrix: GROUNDWATER **Collection Date:** 02/07/2024 11:46

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	02/29/2024 12:14	R344196

Laboratory Results

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

Client: Ramboll **Work Order:** 24011853

Client Project: BAL-24Q1 **Report Date:** 11-Mar-24

Lab ID: 24011853-013 **Client Sample ID:** MW-356

Matrix: GROUNDWATER **Collection Date:** 02/07/2024 9:32

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	02/29/2024 12:12	R344196

Laboratory Results

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

Client: Ramboll **Work Order:** 24011853

Client Project: BAL-24Q1 **Report Date:** 11-Mar-24

Lab ID: 24011853-014 **Client Sample ID:** MW-358

Matrix: GROUNDWATER **Collection Date:** 02/06/2024 15:22

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	02/29/2024 12:12	R344196

Laboratory Results

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

Client: Ramboll **Work Order:** 24011853

Client Project: BAL-24Q1 **Report Date:** 11-Mar-24

Lab ID: 24011853-015 **Client Sample ID:** MW-366

Matrix: GROUNDWATER **Collection Date:** 02/07/2024 10:23

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	02/29/2024 12:12	R344196

Laboratory Results

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

Client: Ramboll **Work Order:** 24011853

Client Project: BAL-24Q1 **Report Date:** 11-Mar-24

Lab ID: 24011853-016 **Client Sample ID:** MW-369

Matrix: GROUNDWATER **Collection Date:** 02/06/2024 10:52

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	02/29/2024 12:12	R344196

Laboratory Results

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

Client: Ramboll **Work Order:** 24011853

Client Project: BAL-24Q1 **Report Date:** 11-Mar-24

Lab ID: 24011853-017 **Client Sample ID:** MW-370

Matrix: GROUNDWATER **Collection Date:** 02/06/2024 9:41

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	02/29/2024 12:12	R344196

Laboratory Results

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

Client: Ramboll **Work Order:** 24011853

Client Project: BAL-24Q1 **Report Date:** 11-Mar-24

Lab ID: 24011853-018 **Client Sample ID:** MW-375

Matrix: GROUNDWATER **Collection Date:** 02/07/2024 13:24

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	02/29/2024 12:12	R344196

Laboratory Results

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

Client: Ramboll **Work Order:** 24011853

Client Project: BAL-24Q1 **Report Date:** 11-Mar-24

Lab ID: 24011853-019 **Client Sample ID:** MW-377

Matrix: GROUNDWATER **Collection Date:** 02/07/2024 13:33

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	02/29/2024 12:11	R344196

Laboratory Results

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

Client: Ramboll **Work Order:** 24011853

Client Project: BAL-24Q1 **Report Date:** 11-Mar-24

Lab ID: 24011853-020 **Client Sample ID:** MW-382

Matrix: GROUNDWATER **Collection Date:** 02/06/2024 12:08

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	02/29/2024 12:11	R344196

Laboratory Results

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

Client: Ramboll **Work Order:** 24011853

Client Project: BAL-24Q1 **Report Date:** 11-Mar-24

Lab ID: 24011853-021 **Client Sample ID:** MW-383

Matrix: GROUNDWATER **Collection Date:** 02/06/2024 14:14

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	02/29/2024 12:19	R344196

Laboratory Results

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

Client: Ramboll **Work Order:** 24011853

Client Project: BAL-24Q1 **Report Date:** 11-Mar-24

Lab ID: 24011853-022 **Client Sample ID:** MW-384

Matrix: GROUNDWATER **Collection Date:** 02/06/2024 13:31

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	02/29/2024 12:19	R344196

Laboratory Results

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

Client: Ramboll **Work Order:** 24011853

Client Project: BAL-24Q1 **Report Date:** 11-Mar-24

Lab ID: 24011853-023 **Client Sample ID:** MW-390

Matrix: GROUNDWATER **Collection Date:** 02/06/2024 12:58

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	02/29/2024 12:22	R344196

Laboratory Results

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

Client: Ramboll **Work Order:** 24011853

Client Project: BAL-24Q1 **Report Date:** 11-Mar-24

Lab ID: 24011853-024 **Client Sample ID:** MW-391

Matrix: GROUNDWATER **Collection Date:** 02/09/2024 8:58

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	02/29/2024 12:22	R344196

Laboratory Results

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

Client: Ramboll **Work Order:** 24011853

Client Project: BAL-24Q1 **Report Date:** 11-Mar-24

Lab ID: 24011853-025 **Client Sample ID:** MW-392

Matrix: GROUNDWATER **Collection Date:** 02/06/2024 11:20

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	02/29/2024 12:22	R344196

Laboratory Results

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

Client: Ramboll **Work Order:** 24011853

Client Project: BAL-24Q1 **Report Date:** 11-Mar-24

Lab ID: 24011853-026 **Client Sample ID:** MW-393

Matrix: GROUNDWATER **Collection Date:** 02/06/2024 13:15

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	02/29/2024 12:22	R344196

Laboratory Results

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

Client: Ramboll **Work Order:** 24011853

Client Project: BAL-24Q1 **Report Date:** 11-Mar-24

Lab ID: 24011853-027 **Client Sample ID:** MW-394

Matrix: GROUNDWATER **Collection Date:** 02/06/2024 14:16

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	02/29/2024 12:22	R344196

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24011853

Client Project: BAL-24Q1 **Report Date:** 11-Mar-24

Lab ID: 24011853-028 **Client Sample ID:** OW-256

Matrix: GROUNDWATER **Collection Date:** 02/07/2024 10:06

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	02/29/2024 12:23	R344196

Laboratory Results

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

Client: Ramboll **Work Order:** 24011853

Client Project: BAL-24Q1 **Report Date:** 11-Mar-24

Lab ID: 24011853-029 **Client Sample ID:** OW-257

Matrix: GROUNDWATER **Collection Date:** 02/06/2024 10:14

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	02/29/2024 12:23	R344196

Laboratory Results

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

Client: Ramboll **Work Order:** 24011853

Client Project: BAL-24Q1 **Report Date:** 11-Mar-24

Lab ID: 24011853-030 **Client Sample ID:** PZ-170

Matrix: GROUNDWATER **Collection Date:** 02/06/2024 9:24

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	02/29/2024 12:36	R344196

Laboratory Results

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

Client: Ramboll **Work Order:** 24011853

Client Project: BAL-24Q1 **Report Date:** 11-Mar-24

Lab ID: 24011853-031 **Client Sample ID:** PZ-182

Matrix: GROUNDWATER **Collection Date:** 02/06/2024 12:37

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	02/29/2024 12:35	R344196

Laboratory Results

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

Client: Ramboll **Work Order:** 24011853

Client Project: BAL-24Q1 **Report Date:** 11-Mar-24

Lab ID: 24011853-032 **Client Sample ID:** Field Blank

Matrix: AQUEOUS **Collection Date:** 02/08/2024 10:36

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	02/29/2024 12:35	R344196

Laboratory Results

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

Client: Ramboll **Work Order:** 24011853

Client Project: BAL-24Q1 **Report Date:** 11-Mar-24

Lab ID: 24011853-033 **Client Sample ID:** MW-304 Duplicate

Matrix: GROUNDWATER **Collection Date:** 02/05/2024 12:54

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	02/29/2024 12:35	R344196

Laboratory Results

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

Client: Ramboll
Work Order: 24011853
Client Project: BAL-24Q1
Report Date: 11-Mar-24
Lab ID: 24011853-034
Client Sample ID: Equipment Blank 1
Matrix: AQUEOUS
Collection Date: 02/08/2024 10:42

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	02/29/2024 12:35	R344196

Teklab, Inc. Environmental Laboratory

Sample Summary

Client: Ramboll
Client Project: BAL-24Q1

Work Order: 24011853
Report Date: 11-Mar-24

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
24011853-001	MW-150	Groundwater	1	02/07/2024 11:12
24011853-002	MW-151	Groundwater	1	02/07/2024 11:26
24011853-003	MW-152	Groundwater	1	02/07/2024 13:05
24011853-004	MW-153	Groundwater	1	02/08/2024 9:48
24011853-005	MW-192	Groundwater	1	02/06/2024 10:18
24011853-006	MW-193	Groundwater	1	02/06/2024 12:28
24011853-007	MW-252	Groundwater	1	02/07/2024 12:02
24011853-008	MW-253	Groundwater	1	02/08/2024 10:36
24011853-009	MW-304	Groundwater	1	02/05/2024 12:54
24011853-010	MW-306	Groundwater	1	02/07/2024 9:29
24011853-011	MW-350	Groundwater	1	02/07/2024 11:56
24011853-012	MW-352	Groundwater	1	02/07/2024 11:46
24011853-013	MW-356	Groundwater	1	02/07/2024 9:32
24011853-014	MW-358	Groundwater	1	02/06/2024 15:22
24011853-015	MW-366	Groundwater	1	02/07/2024 10:23
24011853-016	MW-369	Groundwater	1	02/06/2024 10:52
24011853-017	MW-370	Groundwater	1	02/06/2024 9:41
24011853-018	MW-375	Groundwater	1	02/07/2024 13:24
24011853-019	MW-377	Groundwater	1	02/07/2024 13:33
24011853-020	MW-382	Groundwater	1	02/06/2024 12:08
24011853-021	MW-383	Groundwater	1	02/06/2024 14:14
24011853-022	MW-384	Groundwater	1	02/06/2024 13:31
24011853-023	MW-390	Groundwater	1	02/06/2024 12:58
24011853-024	MW-391	Groundwater	1	02/09/2024 8:58
24011853-025	MW-392	Groundwater	1	02/06/2024 11:20
24011853-026	MW-393	Groundwater	1	02/06/2024 13:15
24011853-027	MW-394	Groundwater	1	02/06/2024 14:16
24011853-028	OW-256	Groundwater	1	02/07/2024 10:06
24011853-029	OW-257	Groundwater	1	02/06/2024 10:14
24011853-030	PZ-170	Groundwater	1	02/06/2024 9:24
24011853-031	PZ-182	Groundwater	1	02/06/2024 12:37
24011853-032	Field Blank	Aqueous	1	02/08/2024 10:36
24011853-033	MW-304 Duplicate	Groundwater	1	02/05/2024 12:54
24011853-034	Equipment Blank 1	Aqueous	1	02/08/2024 10:42

Receiving Check List

Client: Ramboll
Client Project: BAL-24Q1

Work Order: 24011853
Report Date: 11-Mar-24

Carrier: Tracy Carroll

Received By: LEH

Completed by: Amber Dilallo
On: 06-Feb-24

Reviewed by: Ellie Hopkins
On: 13-Feb-24

Pages to follow: Chain of custody 11 Extra pages included 37

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C 5.1
Type of thermal preservation?	None ☐	Ice ☑	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Reported field parameters measured:	Field ☐	Lab ☐	NA ☑	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐		
When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.				
Water – at least one vial per sample has zero headspace?	Yes ☐	No ☐	No VOA vials ☑	
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☑	
Water - pH acceptable upon receipt?	Yes ☐	No ☑	NA ☐	
NPDES/CWA TCN interferences checked/treated in the field?	Yes ☐	No ☐	NA ☑	

Any No responses must be detailed below or on the COC.

Additional Nitric Acid (94914) was needed in MW-304 and MW-304 Duplicate upon arrival at the laboratory. pH strip #90719. - amberdilallo - 2/6/2024 8:27:03 AM

Samples received 2/6/24 at 1706 (13.1cC on ice LTG5. Additional Nitric Acid (94914) was needed in MW-154, MW-192, MW-193, MW-358, MW-369, MW-370, MW-382, MW-383, MW-384, MW-390, MW-392, MW-393, MW-394, OW-257, PZ-170 and PZ-182 upon arrival at the laboratory. pH strip #90719. - amberdilallo - 2/7/2024 9:23:11 AM

pH strip #90719. - lmaddox - 2/8/2024 4:17:53 PM

Additional Nitric Acid (94914) was needed in MW-252, MW-356, and MW-375 upon arrival at the laboratory. - lmaddox - 2/8/2024 4:18:07 PM

Samples received 2/7/24 at 1625 (13.5C on ice LTG#5). EAH 2/13/24

Samples received 2/8/24 at1355 (11.1C on ice LTG5. pH strip #90719. - amberdilallo - 2/9/2024 9:46:03 AM

Samples received 2/9/24 at 1030 (5.7C on ice LTG5). Additional Nitric Acid (94914) was needed in MW-391 upon arrival at the laboratory. pH strip #90719. - amberdilallo - 2/9/2024 9:18:02 AM

CHAIN-OF-CUSTODY / Analytical Request Document

24011853

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

Page: 1 of 3

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Baldwin	Report To:	Brian Voelker	Attention:	Kim Edmiaston
Address:	10901 Baldwin Road	Copy To:	Sam Davies-samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Baldwin, IL 62217		Kim Edmiaston-Kimberly.Edmiaston@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

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

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	Valid Matrix Codes MATRIX / CODE: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-104DR	WT			2/5/24	1447															X		N/A
2	MW-104SR	WT			2/5/24	1527															X		N/A
3	MW-150	WT						2			2							X		X	X		24011853-001
4	MW-151	WT						2			2							X		X	X		24011853-002
5	MW-152	WT						2			2							X		X	X		24011853-003
6	MW-153	WT						2			2							X		X	X		24011853-004
7	MW-154	WT																			X		N/A
8	MW-155	WT																			X		N/A
9	MW-192	WT						2			2							X		X			24011853-005
10	MW-193	WT						2			2							X		X			24011853-006
11	MW-252	WT						2			2								X		X	X	24011853-007
12	MW-253	WT						2			2								X		X	X	24011853-008
13	MW-304	WT			2/5/24	1254		2			2							X	X	X	X	X	24011853-009
14	MW-306	WT						2			2							X	X	X	X	X	24011853-010
15	MW-350	WT						2			2								X		X	X	24011853-011
16	MW-352	WT						2			2								X		X	X	24011853-012

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
BAL-24Q1 Rev 0	Tracy Carrell	2/5/24	4:42	Sam Davies	2/5/24	1640:42
Ra226/228, only.						

SAMPLE CONDITIONS			
	>	=	Y
5.1			
Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Tracy Carrell

SIGNATURE of SAMPLER: Tracy Carrell DATE Signed (MM/DD/YY): 2/5/24

PW added HNO3(94914) to MW304 and MW304DUP 2/6/24

LTG

CH 2/6/24

24011853

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 3 of 3

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Baldwin	Report To: Brian Voelker	Attention: Kim Edmiaston
Address: 10901 Baldwin Road	Copy To: Sam Davies-samantha.davies@vistracorp.com	Company Name: Vistra Corp
Baldwin, IL 62217	Kim Edmiaston-Kimberly.Edmiaston@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information — SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	Valid Matrix Codes MATRIX / CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-WPCP-605								Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	OW-156		WT																			X							N/A
2	OW-157		WT																			X							N/A
3	OW-256		WT					2			2							X		X									24011853-028
4	OW-257		WT					2			2							X		X									24011853-029
5	PZ-170		WT					2			2							X		X									24011853-030
6	PZ-182		WT					2			2							X		X									24011853-031
7	TPZ-164		WT															X		X									N/A
8	XPW01		WT															X		X									N/A
9	XPW05		WT															X		X									N/A
10	XPW06		WT															X		X									N/A
11	Field Blank		WT					2			2							X	X	X	X	X							24011853-032
12	MW-304 Duplicate		WT		2/4/24	12:54		2			2							X	X	X	X	X							24011853-033
13	Equipment Blank 1		WT					2			2							X	X	X	X	X							24011853-034
14	Equipment Blank 2		WT					2			2							X	X	X	X	X							24011853-035
15	Equipment Blank 3		WT					2			2							X	X	X	X	X							24011853-036
16																													

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
BAL-24Q1 Rev 0	Tracy Conrad	2/5/24	4:42	Tan Edmiaston	2/5/24	1642		Y	N	
Ra226/228, only.							temp in °C	Received on ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Tracy Conrad

SIGNATURE of SAMPLER: Tracy Conrad DATE Signed (MM/DD/YY): 2/5/24

CHAIN-OF-CUSTODY / Analytical Request Document

24011853

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

Page: 1 of 3

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Baldwin	Report To:	Brian Voelker	Attention:	Kim Edmiaston
Address:	10901 Baldwin Road	Copy To:	Sam Davies-samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Baldwin, IL 62217		Kim Edmiaston-Kimberly.Edmiaston@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

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

Section D Required Client Information

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

Valid Matrix Codes

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

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-104DR	WT																			X		N/A
2	MW-104SR	WT																			X		N/A
3	MW-150	WT					2			2								X		X	X		24011853-001
4	MW-151	WT					2			2								X		X	X		24011853-002
5	MW-152	WT					2			2								X		X	X		24011853-003
6	MW-153	WT					2			2								X		X	X		24011853-004
7	MW-154	WT		2-6-24	DKY																X		N/A
8	MW-155	WT																			X		N/A
9	MW-192	WT		2-6-24	1018		2			2							X		X				24011853-005
10	MW-193	WT		2-6-24	1228		2			2							X		X				24011853-006
11	MW-252	WT					2			2								X		X	X		24011853-007
12	MW-253	WT					2			2								X		X	X		24011853-008
13	MW-304	WT					2			2							X	X	X	X	X		24011853-009
14	MW-306	WT					2			2							X	X	X	X	X		24011853-010
15	MW-350	WT					2			2								X		X	X		24011853-011
16	MW-352	WT					2			2								X		X	X		24011853-012

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
BAL-24Q1 Rev 0	J. Cole	2-6	1706	Laura Henson	2/6	1706	13.1	Y	N	
Ra226/228, only.										

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Justin Cole		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY): 2-6-24				

PH 190719

Added HNO3 (94914) to all samples

LTG 5

LH 2/7/24

Confidential

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-Baldwin
Address:	10901 Baldwin Road
	Baldwin, IL 62217
Email To:	Brian.Voelker@VistraCorp.com
Phone: (217) 753-8911	Fax:
Requested Due Date/TAT:	10 day

Section B Required Project Information:

Report To:	Brian Voelker
Copy To:	Sam Davies-samantha.davies@vistracorp.com
	Kim Edmiaston-Kimberly.Edmiaston@vistracorp.com
Purchase Order No.:	
Project Name:	
Project Number:	2285

Section C Invoice Information:

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

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

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

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

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Requested Analysis Filtered (Y/N) Y/N	Analysis Test: BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-355	WT																			X		N/A
2	MW-356	WT					2			2							X		X				24011853-013
3	MW-358	WT		2-6-24	1522		2			2							X	X	X	X			24011853-014
4	MW-366	WT					2			2								X		X			24011853-015
5	MW-369	WT		2-6-24	1052		2			2							X		X				24011853-016
6	MW-370	WT		2-6-24	0941		2			2							X		X				24011853-017
7	MW-375	WT					2			2								X		X			24011853-018
8	MW-377	WT					2			2								X		X			24011853-019
9	MW-382	WT		2-6-24	1208		2			2							X		X				24011853-020
10	MW-383	WT		2-6-24	1414		2			2								X		X			24011853-021
11	MW-384	WT		2-6-24	1331		2			2								X		X			24011853-022
12	MW-390	WT		2-6-24	1258		2			2								X		X			24011853-023
13	MW-391	WT		2-6-24	DRY		2			2								X		X			24011853-024
14	MW-392	WT		2-6-24	1120		2			2							X		X				24011853-025
15	MW-393	WT		2-6-24	1315		2			2							X		X				24011853-026
16	MW-394	WT		2-6-24	1416		2			2							X		X				24011853-027

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
BAL-24Q1 Rev 0	J. Colo	2-6	1706	Jason Henson	2/6	1706	13.1 > N
Ra226/228, only.							

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colo

SIGNATURE of SAMPLER: Justin Colo DATE Signed (MM/DD/YY): 2-6-24

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

LTGS

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 3 of 3

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Baldwin	Report To: Brian Voelker	Attention: Kim Edmiaston
Address: 10901 Baldwin Road	Copy To: Sam Davies-samantha.davies@vistracorp.com	Company Name: Vistra Corp
Baldwin, IL 62217	Kim Edmiaston-Kimberly.Edmiaston@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

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

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Project No./ Lab I.D.
																Requested Analysis Filtered (Y/N)							
1	OW-156	WT																			X		N/A
2	OW-157	WT																			X		N/A
3	OW-256	WT					2			2							X		X				24011853-028
4	OW-257	WT		2-6-24	1014		2			2							X		X				24011853-029
5	PZ-170	WT		2-6-24	0924		2			2							X		X				24011853-030
6	PZ-182	WT		2-6-24	1237		2			2							X		X				24011853-031
7	TPZ-164	WT															X		X				N/A
8	XPW01	WT															X		X				N/A
9	XPW05	WT															X		X				N/A
10	XPW06	WT		2-6-24	1123												X		X				N/A
11	Field Blank	WT					2			2							X	X	X	X	X		24011853-032
12	MW-304 Duplicate	WT					2			2							X	X	X	X	X		24011853-033
13	Equipment Blank 1	WT					2			2							X	X	X	X	X		24011853-034
14	Equipment Blank 2	WT					2			2							X	X	X	X	X		24011853-035
15	Equipment Blank 3	WT					2			2							X	X	X	X	X		24011853-036
16																							

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)
BAL-24Q1 Rev 0	J. Colp	2-6	1706	[signature]	2-6	1706	13.1	Y	N	
Ra226/228, only.										

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 2-6-24

LTG 5

CHAIN-OF-CUSTODY / Analytical Request Document

24011853

BAP-257-601

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

Page: 1 of 3

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Baldwin	Report To:	Brian Voelker	Attention:	Kim Edmiaston
Address:	10901 Baldwin Road	Copy To:	Sam Davies-samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Baldwin, IL 62217		Kim Edmiaston-Kimberly.Edmiaston@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-6911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

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

Site Location STATE: IL

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

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Requested Analysis Filtered (Y/N) Y/N	Analysis Test: BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-104DR	WT																			X		N/A
2	MW-104SR	WT																			X		N/A
3	MW-150	WT		2-7-24	1112		2			2								X		X	X		24011853-001
4	MW-151	WT		2-7-24	1126		2			2								X		X	X		24011853-002
5	MW-152	WT		2-7-24	1305		2			2								X		X	X		24011853-003
6	MW-153	WT					2			2								X		X	X		24011853-004
7	MW-154	WT																			X		N/A
8	MW-155	WT																			X		N/A
9	MW-192	WT					2			2							X		X				24011853-005
10	MW-193	WT					2			2							X		X				24011853-006
11	MW-252 *	WT		2-7-24	1202		2			2								X		X	X		24011853-007
12	MW-253	WT					2			2								X		X	X		24011853-008
13	MW-304	WT					2			2							X	X	X	X	X		24011853-009
14	MW-306	WT		2-7-24	0929		2			2							X	X	X	X	X		24011853-010
15	MW-350	WT		2-7-24	1156		2			2								X		X	X		24011853-011
16	MW-352	WT		2-7-24	1146		2			2								X		X	X		24011853-012

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
BAL-24Q1 Rev 0	J. Colp	2-7	1625		2/7/24	1625	
Ra226/228, only.							13.5

PH: 9.0719 um 2/8
* Added HNO_3 (9491.4) um 2/8

SAMPLER NAME AND SIGNATURE			
PRINT Name of SAMPLER:	Justin Colp		
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY):	2-7-24

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

LT65

24011853

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-Baldwin	Report To:	Brian Voelker	Attention:	Kim Edmiaston
Address:	10901 Baldwin Road	Copy To:	Sam Davies-samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Baldwin, IL 62217		Kim Edmiaston-Kimberly.Edmiaston@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

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

Section D Required Client Information

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

Valid Matrix Codes

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N ↓ Analysis Test ↓	BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-355	WT																		X			N/A
2	MW-356	WT		2-7-24	0932		2			2							X		X				24011853-013
3	MW-358	WT					2			2							X	X	X	X			24011853-014
4	MW-366	WT		2-7-24	1023		2			2								X		X			24011853-015
5	MW-369	WT					2			2							X		X				24011853-016
6	MW-370	WT					2			2							X		X				24011853-017
7	MW-375	WT		2-7-24	1324		2			2								X		X			24011853-018
8	MW-377	WT		2-7-24	1333		2			2								X		X			24011853-019
9	MW-382	WT					2			2							X		X				24011853-020
10	MW-383	WT					2			2								X		X			24011853-021
11	MW-384	WT					2			2								X		X			24011853-022
12	MW-390	WT					2			2								X		X			24011853-023
13	MW-391	WT					2			2								X		X			24011853-024
14	MW-392	WT					2			2							X		X				24011853-025
15	MW-393	WT					2			2							X		X				24011853-026
16	MW-394	WT					2			2							X		X				24011853-027

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
BAL-24Q1 Rev 0	J. Colp	2-7	1625		2/7/24	1675	
Ra226/228, only.							1.3.5

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY): 2-7-24

Temp in °C	Received on Ice (Y/N)	Custody Seal Cooler (Y/N)	Samples Intact (Y/N)
LTG5			

24011853

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 3 of 3

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Baldwin	Report To:	Brian Voelker	Attention:	Kim Edmiaston
Address:	10901 Baldwin Road	Copy To:	Sam Davies-samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Baldwin, IL 62217		Kim Edmiaston-Kimberly.Edmiaston@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

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

Site Location STATE: IL

Section D Required Client Information

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

Valid Matrix Codes

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	OW-156	WT		7-7-24	1020																X		N/A
2	OW-157	WT		7-7-24	1035																X		N/A
3	OW-256	WT		7-7-24	1006		2			2							X		X				24011853-028
4	OW-257	WT					2			2							X		X				24011853-029
5	PZ-170	WT					2			2							X		X				24011853-030
6	PZ-182	WT					2			2							X		X				24011853-031
7	TPZ-164	WT															X		X				N/A
8	XPW01	WT															X		X				N/A
9	XPW05	WT															X		X				N/A
10	XPW06	WT															X		X				N/A
11	Field Blank	WT					2			2							X	X	X	X	X		24011853-032
12	MW-304 Duplicate	WT					2			2							X	X	X	X	X		24011853-033
13	Equipment Blank 1	WT					2			2							X	X	X	X	X		24011853-034
14	Equipment Blank 2	WT					2			2							X	X	X	X	X		24011853-035
15	Equipment Blank 3	WT					2			2							X	X	X	X	X		24011853-036
16																							

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
BAL-24Q1 Rev 0	J. Cole	7-7	1625		7/7/24	1625	
Ra226/228, only.							135

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Cole

SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY): 7-7-2024

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

UG 5

24011853

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 3

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Baldwin	Report To: Brian Voelker	Attention: Kim Edmiaston
Address: 10901 Baldwin Road	Copy To: Sam Davies-samantha.davies@vistracorp.com	Company Name: Vistra Corp
Baldwin, IL 62217	Kim Edmiaston-Kimberly.Edmiaston@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

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

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

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-104DR	WT																			X		N/A
2	MW-104SR	WT																			X		N/A
3	MW-150	WT					2			2								X		X	X		24011853-001
4	MW-151	WT					2			2								X		X	X		24011853-002
5	MW-152	WT					2			2								X		X	X		24011853-003
6	MW-153	WT		2-8-24	0948		2			2								X		X	X		24011853-004
7	MW-154	WT																			X		N/A
8	MW-155	WT																			X		N/A
9	MW-192	WT					2			2								X		X			24011853-005
10	MW-193	WT					2			2								X		X			24011853-006
11	MW-252	WT					2			2									X		X	X	24011853-007
12	MW-253	WT		2-8-24	1036		2			2									X		X	X	24011853-008
13	MW-304	WT					2			2								X	X	X	X	X	24011853-009
14	MW-306	WT					2			2								X	X	X	X	X	24011853-010
15	MW-350	WT					2			2									X		X	X	24011853-011
16	MW-352	WT					2			2									X		X	X	24011853-012

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
BAL-24Q1 Rev 0	J. Colp	2-8	1555	Emily Sackett	2/8/24	1:55	#5	(Y)	N	
Ra226/228, only.							11.1			

PH: 90719 ES 218

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 2-8-24

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

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 3 of 3

Section A Required Client Information:

Company:	Vistra Corp-Baldwin
Address:	10901 Baldwin Road
	Baldwin, IL 62217
Email To:	Brian.Voelker@VistraCorp.com
Phone: (217) 753-8911	Fax:
Requested Due Date/TAT:	10 day

Section B Required Project Information:

Report To:	Brian Voelker
Copy To:	Sam Davies-samantha.davies@vistracorp.com
	Kim Edmiaston-Kimberly.Edmiaston@vistracorp.com
Purchase Order No.:	
Project Name:	
Project Number:	2285

Section C Invoice Information:

Attention:	Kim Edmiaston
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	BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	OW-156	WT																			X		N/A
2	OW-157	WT																			X		N/A
3	OW-256	WT					2			2							X		X				24011853-028
4	OW-257	WT					2			2							X		X				24011853-029
5	PZ-170	WT					2			2							X		X				24011853-030
6	PZ-182	WT					2			2							X		X				24011853-031
7	TPZ-164	WT															X		X				N/A
8	XPW01	WT		7-8-24	0906												X		X				N/A
9	XPW05	WT															X		X				N/A
10	XPW06	WT															X		X				N/A
11	Field Blank	WT		7-8-24	1036		2			2							X	X	X	X	X		24011853-032
12	MW-304 Duplicate	WT					2			2							X	X	X	X	X		24011853-033
13	Equipment Blank 1	WT		7-8-24	1042		2			2							X	X	X	X	X		24011853-034
14	Equipment Blank 2	WT					2			2							X	X	X	X	X		24011853-035
15	Equipment Blank 3	WT					2			2							X	X	X	X	X		24011853-036
16																							

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
BAL-24Q1 Rev 0	J. Colp	7-8	1:55	Emily Sackett	2/8/24	1:55		Y	N	
Ra226/228, only.										

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 7-8-24

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

24011853

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 2 of 3

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Baldwin	Report To: Brian Voelker	Attention: Kim Edmiaston
Address: 10901 Baldwin Road	Copy To: Sam Davies-samantha.davies@vistracorp.com	Company Name: Vistra Corp
Baldwin, IL 62217	Kim Edmiaston-Kimberly.Edmiaston@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

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

Valid Matrix Codes

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-355	WT																			X		N/A
2	MW-356	WT					2			2							X		X				24011853-013
3	MW-358	WT					2			2							X	X	X	X			24011853-014
4	MW-366	WT					2			2								X		X			24011853-015
5	MW-369	WT					2			2							X		X				24011853-016
6	MW-370	WT					2			2							X		X				24011853-017
7	MW-375	WT					2			2								X		X			24011853-018
8	MW-377	WT					2			2								X		X			24011853-019
9	MW-382	WT					2			2							X		X				24011853-020
10	MW-383	WT					2			2								X		X			24011853-021
11	MW-384	WT					2			2								X		X			24011853-022
12	MW-390	WT					2			2								X		X			24011853-023
13	MW-391	WT		2-9-24	0858		2			2								X		X			24011853-024
14	MW-392	WT					2			2							X		X				24011853-025
15	MW-393	WT					2			2							X		X				24011853-026
16	MW-394	WT					2			2							X		X				24011853-027

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
BAL-24Q1 Rev 0	J. Colp	2-9	1030	Emily Sackett	2/9/24	1030	5.7	Y	N	Y
Ra226/228, only.							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 2-9-24

LTGS

Added 1+N03 (9499) to bottle 2 of 2. pH ✓ 90719 Dm 2/9/24

Confidential

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 3/11/2024 2:58:23 PM

JOB DESCRIPTION

Radium-226 and Radium-228
24011853

JOB NUMBER

160-53128-1

Eurofins St. Louis
13715 Rider Trail North
Earth City MO 63045

See page two for job notes and contact information.

my EOL

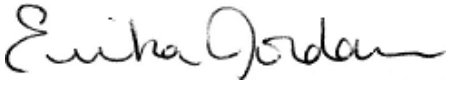
Eurofins St. Louis

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins TestAmerica Project Manager.

Authorization



Generated
3/11/2024 2:58:23 PM

Authorized for release by
Erika Jordan, Project Manager
erika.jordan@et.eurofinsus.com
(314)298-8566

Table of Contents

Cover Page 1
Table of Contents 3
Case Narrative 4
Chain of Custody 6
Receipt Checklists 10
Definitions/Glossary 11
Method Summary 12
Sample Summary 13
Client Sample Results 14
QC Sample Results 31
QC Association Summary 34
Tracer Carrier Summary 36

CASE NARRATIVE

Client: TekLab, Inc

Project: 24011853

Report Number: 160-53128-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition, all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method.

Eurofins Environment Testing attests to the validity of the laboratory data generated by Eurofins facilities reported herein. All analyses performed by Eurofins Environment Testing facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. Eurofins Environment Testing's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

Calculations are performed before rounding to avoid round-off errors in calculated results.

Proper preservation was noted for the methods performed on these samples, unless otherwise detailed below.

Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative.

Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date.

The matrix for the Method Blank and LCS/LCSD is as close to the samples as can be reasonably achieved. Detailed information can be found in the most current revision of the associated SOP.

The method blank (MB) z-score is within limits, unless stated otherwise below.

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.

Reference the chain of custody and receipt report for any variations on receipt conditions.

This laboratory report is confidential and is intended for the sole use of Eurofins TestAmerica and its client.

Receipt
The samples were received on 2/13/2024 1:18 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved. The temperatures of the 3 coolers at receipt time were 16.6°C, 16.9°C and 17.3°C.

Method 903.0 - Radium-226 (GFPC)
Samples 24011853-001 (160-53128-1), 24011853-002 (160-53128-2), 24011853-003 (160-53128-3), 24011853-004 (160-53128-4), 24011853-005 (160-53128-5), 24011853-006 (160-53128-6), 24011853-007 (160-53128-7), 24011853-008 (160-53128-8), 24011853-009 (160-53128-9), 24011853-010 (160-53128-10), 24011853-011 (160-53128-11), 24011853-012 (160-53128-12), 24011853-013 (160-53128-13), 24011853-014 (160-53128-14), 24011853-015 (160-53128-15), 24011853-016 (160-53128-16), 24011853-017 (160-53128-17), 24011853-018 (160-53128-18), 24011853-019 (160-53128-19), 24011853-020 (160-53128-20), 24011853-021 (160-53128-21), 24011853-022 (160-53128-22), 24011853-023 (160-53128-23), 24011853-024 (160-53128-24), 24011853-025 (160-53128-25), 24011853-026 (160-53128-26), 24011853-027 (160-53128-27), 24011853-028 (160-53128-28), 24011853-029 (160-53128-29), 24011853-030 (160-53128-30), 24011853-031 (160-53128-31), 24011853-032 (160-53128-32), 24011853-033 (160-53128-33) and 24011853-034 (160-53128-34) were analyzed for Radium-226 (GFPC). The samples were prepared on 2/15/2024 and analyzed on 3/8/2024.

No analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Method 904.0 - Radium-228 (GFPC)
Samples 24011853-001 (160-53128-1), 24011853-002 (160-53128-2), 24011853-003 (160-53128-3), 24011853-004 (160-53128-4), 24011853-005 (160-53128-5), 24011853-006 (160-53128-6), 24011853-007 (160-53128-7), 24011853-008 (160-53128-8), 24011853-009 (160-53128-9), 24011853-010 (160-53128-10), 24011853-011 (160-53128-11), 24011853-012 (160-53128-12), 24011853-013 (160-53128-13), 24011853-014 (160-53128-14), 24011853-015 (160-53128-15), 24011853-016 (160-53128-16), 24011853-017 (160-53128-17), 24011853-018 (160-53128-18), 24011853-019 (160-53128-19), 24011853-020 (160-53128-20), 24011853-021 (160-53128-21), 24011853-022 (160-53128-22), 24011853-023 (160-53128-23), 24011853-024 (160-53128-24), 24011853-025 (160-53128-25), 24011853-026 (160-53128-26), 24011853-027 (160-53128-27), 24011853-028 (160-53128-28), 24011853-029 (160-53128-29), 24011853-030 (160-53128-30), 24011853-031 (160-53128-31), 24011853-032 (160-53128-32), 24011853-033 (160-53128-33) and 24011853-034 (160-53128-34) were analyzed for Radium-228 (GFPC). The samples were prepared on 2/15/2024 and analyzed on 2/29/2024.

Batch 648281
The detection goal was not met for the following samples due to the reduced sample volume attributed to the presence of matrix interferences: 24011853-003 (160-53128-3), 24011853-014 (160-53128-14), 24011853-016 (160-53128-16) and 24011853-020 (160-53128-20). Analytical results are reported with the detection limit achieved.

Batch 648284
The detection goal was not met for the following samples due to the reduced sample volume attributed to the presence of matrix interferences: 24011853-024 (160-53128-24) and 24011853-030 (160-53128-30). Analytical results are reported with the detection limit achieved.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Method Ra226_Ra228 Pos - Combined Radium-226 and Radium-228
Samples 24011853-001 (160-53128-1), 24011853-002 (160-53128-2), 24011853-003 (160-53128-3), 24011853-004 (160-53128-4), 24011853-005 (160-53128-5), 24011853-006 (160-53128-6), 24011853-007 (160-53128-7), 24011853-008 (160-53128-8), 24011853-009 (160-53128-9), 24011853-010 (160-53128-10), 24011853-011 (160-53128-11), 24011853-012 (160-53128-12), 24011853-013 (160-53128-13), 24011853-014 (160-53128-14), 24011853-015 (160-53128-15), 24011853-016 (160-53128-16), 24011853-017 (160-53128-17), 24011853-018 (160-53128-18), 24011853-019 (160-53128-19), 24011853-020 (160-53128-20), 24011853-021 (160-53128-21), 24011853-022 (160-53128-22), 24011853-023 (160-53128-23), 24011853-024 (160-53128-24), 24011853-025 (160-53128-25), 24011853-026 (160-53128-26), 24011853-027 (160-53128-27), 24011853-028 (160-53128-28), 24011853-029 (160-53128-29), 24011853-030 (160-53128-30), 24011853-031 (160-53128-31), 24011853-032 (160-53128-32), 24011853-033 (160-53128-33) and 24011853-034 (160-53128-34) were analyzed for Combined Radium-226 and Radium-228. The samples were analyzed on 3/8/2024 and 3/11/2024.

No analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

TEKLAB, INC. Chain of Custody

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

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

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: | Sampler: Teklab, Inc. | QC Level: 2

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

Project# 24011853

Contact: Elizabeth Hurley | Email: ehurley@teklabinc.com
Requested Due Date: Standad TAT | Billing/PO: 35741 | Phone: 618 344-1004 ext. 33

PLEASE NOTE:

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

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228 combined
	24011853-001	2/7/24 1112	HNO3	Groundwater	✔
	24011853-002	2/7/24 1126	HNO3	Groundwater	✔
	24011853-003	2/7/24 1305	HNO3	Groundwater	✔
	24011853-004	2/8/24 0948	HNO3	Groundwater	✔
	24011853-005	2/6/24 1018	HNO3	Groundwater	✔
	24011853-006	2/6/24 1228	HNO3	Groundwater	✔
	24011853-007	2/7/24 1202	HNO3	Groundwater	✔
	24011853-008	2/8/24 1036	HNO3	Groundwater	✔
	24011853-009	2/5/24 1254	HNO3	Groundwater	✔
	24011853-010	2/7/24 0929	HNO3	Groundwater	✔
	24011853-011	2/7/24 1156	HNO3	Groundwater	✔

160-53128 Chain of Custody

*Relinquished By	Date/Time	Received By	Date/Time
	2/13/24 1147		2/13/24 1147
	2/13/24 1318		2/13/24 1318

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

SubCocRevA
3/2/2016

TEKLAB, INC. Chain of Custody

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

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

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: | Sampler: Teklab, Inc. | QC Level: 2

Project# 24011853

Contact: Elizabeth Hurley | Email: ehurley@teklabinc.com
Requested Due Date: Standad TAT | Billing/PO: 35741 | Phone: 618 344-1004 ext. 33

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

PLEASE NOTE:

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

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228 combined
	24011853-012	2/7/24 1146	HNO3	Groundwater	✔
	24011853-013	2/7/24 0932	HNO3	Groundwater	✔
	24011853-014	2/6/24 1522	HNO3	Groundwater	✔
	24011853-015	2/7/24 1023	HNO3	Groundwater	✔
	24011853-016	2/6/24 1052	HNO3	Groundwater	✔
	24011853-017	2/6/24 0941	HNO3	Groundwater	✔
	24011853-018	2/7/24 1324	HNO3	Groundwater	✔
	24011853-019	2/7/24 1333	HNO3	Groundwater	✔
	24011853-020	2/6/24 1208	HNO3	Groundwater	✔
	24011853-021	2/6/24 1414	HNO3	Groundwater	✔
	24011853-022	2/6/24 1331	HNO3	Groundwater	✔

*Relinquished By	Date/Time	Received By	Date/Time
Dana Dillard	2/13/24	Sina Wagner	2/13/24 1318

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

TEKLAB, INC. Chain of Custody

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

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

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: Sampler: Teklab, Inc. QC Level: 2

Project# 24011853

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

Contact: Elizabeth Hurley Email: ehurley@teklabinc.com
Requested Due Date: Standad TAT Billing/PO: 35741 Phone: 618 344-1004 ext. 33

PLEASE NOTE:

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

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228 combined
	24011853-023	2/6/24 1258	HNO3	Groundwater	✔
	24011853-024	2/9/24 0858	HNO3	Groundwater	✔
	24011853-025	2/6/24 1120	HNO3	Groundwater	✔
	24011853-026	2/6/24 1315	HNO3	Groundwater	✔
	24011853-027	2/6/24 1416	HNO3	Groundwater	✔
	24011853-028	2/7/24 1006	HNO3	Groundwater	✔
	24011853-029	2/6/24 1014	HNO3	Groundwater	✔
	24011853-030	2/6/24 0924	HNO3	Groundwater	✔
	24011853-031	2/6/24 1237	HNO3	Groundwater	✔
	24011853-032	2/8/24 1036	HNO3	~~Aqueous~~	✔
	24011853-033	2/5/24 1254	HNO3	Groundwater	✔

EVH 4/3/24

*Relinquished By	Date/Time	Received By	Date/Time
[illegible]	2/13/24	Sina Wagner	2/13/24 1318

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

SubCoreRevA 3.2.2016

ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-257-601
APPENDIX A.

TEKLAB, INC. Chain of Custody

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

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

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: | Sampler: Teklab, Inc. | QC Level: 2

Project# 24011853

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

Contact: Elizabeth Hurley | Email: ehurley@teklabinc.com
Requested Due Date: Standad TAT | Billing/PO: 35741 | Phone: 618 344-1004 ext. 33

PLEASE NOTE:

NELAP accreditation is required on the requested analytes and must be documented as such on the final report. If your laboratory does not currently hold a NELAP accreditation for the requested method and/or analytes, please contact Teklab immediately. If your laboratory loses accreditation or is suspended for any analyte/method during the life of the contract, you must contact Teklab immediately. ER 1/13/24 groundwater

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228 combined
	24011853-034	2/8/24 1042	HNO3	~~Aqueous~~	✔
			HNO3	Aqueous	
			HNO3	Aqueous	
			HNO3	Groundwater	
			HNO3	Groundwater	
			HNO3	Groundwater	
			HNO3	Groundwater	
			HNO3	Groundwater	
			HNO3	Groundwater	
			HNO3	Groundwater	
			HNO3	Groundwater	

*Relinquished By	Date/Time	Received By	Date/Time
Simon Dilallo	2/13/24	Simon Wynn	2/13/24 1318

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

SubCOCRevA 3/2/2016

Login Sample Receipt Checklist

Client: TekLab, Inc

Job Number: 160-53128-1
SDG Number: 24011853

Login Number: 53128
List Number: 1
Creator: Worthington, Sierra M

List Source: Eurofins St. Louis

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Qualifiers

Rad

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

Glossary

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

Method Summary

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

Job ID: 160-53128-1
SDG: 24011853

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

Protocol References:

EPA = US Environmental Protection Agency

None = None

TAL-STL = TestAmerica Laboratories, St. Louis, Facility Standard Operating Procedure.

Laboratory References:

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

Sample Summary

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

Job ID: 160-53128-1
SDG: 24011853

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
160-53128-1	24011853-001	Water	02/07/24 11:12	02/13/24 13:18
160-53128-2	24011853-002	Water	02/07/24 11:26	02/13/24 13:18
160-53128-3	24011853-003	Water	02/07/24 13:05	02/13/24 13:18
160-53128-4	24011853-004	Water	02/08/24 09:48	02/13/24 13:18
160-53128-5	24011853-005	Water	02/06/24 10:18	02/13/24 13:18
160-53128-6	24011853-006	Water	02/06/24 12:28	02/13/24 13:18
160-53128-7	24011853-007	Water	02/07/24 12:02	02/13/24 13:18
160-53128-8	24011853-008	Water	02/08/24 10:36	02/13/24 13:18
160-53128-9	24011853-009	Water	02/05/24 12:54	02/13/24 13:18
160-53128-10	24011853-010	Water	02/07/24 09:29	02/13/24 13:18
160-53128-11	24011853-011	Water	02/07/24 11:56	02/13/24 13:18
160-53128-12	24011853-012	Water	02/07/24 11:46	02/13/24 13:18
160-53128-13	24011853-013	Water	02/07/24 09:32	02/13/24 13:18
160-53128-14	24011853-014	Water	02/06/24 15:22	02/13/24 13:18
160-53128-15	24011853-015	Water	02/07/24 10:23	02/13/24 13:18
160-53128-16	24011853-016	Water	02/06/24 10:52	02/13/24 13:18
160-53128-17	24011853-017	Water	02/06/24 09:41	02/13/24 13:18
160-53128-18	24011853-018	Water	02/07/24 13:24	02/13/24 13:18
160-53128-19	24011853-019	Water	02/07/24 13:33	02/13/24 13:18
160-53128-20	24011853-020	Water	02/06/24 12:08	02/13/24 13:18
160-53128-21	24011853-021	Water	02/06/24 14:14	02/13/24 13:18
160-53128-22	24011853-022	Water	02/06/24 13:31	02/13/24 13:18
160-53128-23	24011853-023	Water	02/06/24 12:58	02/13/24 13:18
160-53128-24	24011853-024	Water	02/09/24 08:58	02/13/24 13:18
160-53128-25	24011853-025	Water	02/06/24 11:20	02/13/24 13:18
160-53128-26	24011853-026	Water	02/06/24 13:15	02/13/24 13:18
160-53128-27	24011853-027	Water	02/06/24 14:16	02/13/24 13:18
160-53128-28	24011853-028	Water	02/07/24 10:06	02/13/24 13:18
160-53128-29	24011853-029	Water	02/06/24 10:14	02/13/24 13:18
160-53128-30	24011853-030	Water	02/06/24 09:24	02/13/24 13:18
160-53128-31	24011853-031	Water	02/06/24 12:37	02/13/24 13:18
160-53128-32	24011853-032	Water	02/08/24 10:36	02/13/24 13:18
160-53128-33	24011853-033	Water	02/05/24 12:54	02/13/24 13:18
160-53128-34	24011853-034	Water	02/08/24 10:42	02/13/24 13:18

Client Sample Results

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

Job ID: 160-53128-1
SDG: 24011853

Client Sample ID: 24011853-001
Date Collected: 02/07/24 11:12
Date Received: 02/13/24 13:18

Lab Sample ID: 160-53128-1
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.00407	U	0.0673	0.0673	1.00	0.139	pCi/L	02/15/24 09:45	03/08/24 09:18	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.0*		*30 - 110*	*02/15/24 09:45*	*03/08/24 09:18*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.0967	U	0.366	0.366	1.00	0.726	pCi/L	02/15/24 09:47	02/29/24 12:13	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.0*		*30 - 110*	*02/15/24 09:47*	*02/29/24 12:13*	*1*
Y Carrier	*77.4*		*30 - 110*	*02/15/24 09:47*	*02/29/24 12:13*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.00407	U	0.372	0.372	5.00	0.726	pCi/L		03/08/24 17:22	1

Client Sample ID: 24011853-002
Date Collected: 02/07/24 11:26
Date Received: 02/13/24 13:18

Lab Sample ID: 160-53128-2
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0315	U	0.0977	0.0977	1.00	0.184	pCi/L	02/15/24 09:45	03/08/24 09:18	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.0*		*30 - 110*	*02/15/24 09:45*	*03/08/24 09:18*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.163	U	0.337	0.338	1.00	0.705	pCi/L	02/15/24 09:47	02/29/24 12:13	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.0*		*30 - 110*	*02/15/24 09:47*	*02/29/24 12:13*	*1*
Y Carrier	*81.9*		*30 - 110*	*02/15/24 09:47*	*02/29/24 12:13*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.0315	U	0.351	0.352	5.00	0.705	pCi/L		03/08/24 17:22	1

Client Sample Results

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

Job ID: 160-53128-1
SDG: 24011853

Client Sample ID: 24011853-003
Date Collected: 02/07/24 13:05
Date Received: 02/13/24 13:18

Lab Sample ID: 160-53128-3
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0735	U	0.140	0.140	1.00	0.253	pCi/L	02/15/24 09:45	03/08/24 09:18	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*66.5*		*30 - 110*	*02/15/24 09:45*	*03/08/24 09:18*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.158	U G	0.879	0.879	1.00	1.59	pCi/L	02/15/24 09:47	02/29/24 12:13	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*66.5*		*30 - 110*	*02/15/24 09:47*	*02/29/24 12:13*	*1*
Y Carrier	*84.5*		*30 - 110*	*02/15/24 09:47*	*02/29/24 12:13*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.231	U	0.890	0.890	5.00	1.59	pCi/L		03/08/24 17:22	1

Client Sample ID: 24011853-004
Date Collected: 02/08/24 09:48
Date Received: 02/13/24 13:18

Lab Sample ID: 160-53128-4
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0932	U	0.146	0.146	1.00	0.249	pCi/L	02/15/24 09:45	03/08/24 09:18	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*72.0*		*30 - 110*	*02/15/24 09:45*	*03/08/24 09:18*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.410	U	0.531	0.532	1.00	0.885	pCi/L	02/15/24 09:47	02/29/24 12:13	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*72.0*		*30 - 110*	*02/15/24 09:47*	*02/29/24 12:13*	*1*
Y Carrier	*83.7*		*30 - 110*	*02/15/24 09:47*	*02/29/24 12:13*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.503	U	0.551	0.552	5.00	0.885	pCi/L		03/08/24 17:22	1

Client Sample Results

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

Job ID: 160-53128-1
SDG: 24011853

Client Sample ID: 24011853-005
Date Collected: 02/06/24 10:18
Date Received: 02/13/24 13:18

Lab Sample ID: 160-53128-5
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.195		0.117	0.119	1.00	0.161	pCi/L	02/15/24 09:45	03/08/24 09:18	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.0*		*30 - 110*	*02/15/24 09:45*	*03/08/24 09:18*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.373	U	0.365	0.366	1.00	0.584	pCi/L	02/15/24 09:47	02/29/24 12:14	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.0*		*30 - 110*	*02/15/24 09:47*	*02/29/24 12:14*	*1*
Y Carrier	*84.9*		*30 - 110*	*02/15/24 09:47*	*02/29/24 12:14*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.567	U	0.383	0.385	5.00	0.584	pCi/L		03/08/24 17:22	1

Client Sample ID: 24011853-006
Date Collected: 02/06/24 12:28
Date Received: 02/13/24 13:18

Lab Sample ID: 160-53128-6
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0840	U	0.0718	0.0722	1.00	0.106	pCi/L	02/15/24 09:45	03/08/24 17:42	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.5*		*30 - 110*	*02/15/24 09:45*	*03/08/24 17:42*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.293	U	0.369	0.370	1.00	0.613	pCi/L	02/15/24 09:47	02/29/24 12:14	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.5*		*30 - 110*	*02/15/24 09:47*	*02/29/24 12:14*	*1*
Y Carrier	*81.1*		*30 - 110*	*02/15/24 09:47*	*02/29/24 12:14*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.377	U	0.376	0.377	5.00	0.613	pCi/L		03/08/24 17:22	1

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

BAP-257-001

Client Sample ID: 24011853-007
Date Collected: 02/07/24 12:02
Date Received: 02/13/24 13:18

Lab Sample ID: 160-53128-7
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0956	U	0.0868	0.0872	1.00	0.129	pCi/L	02/15/24 09:45	03/08/24 17:42	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.0*		*30 - 110*	*02/15/24 09:45*	*03/08/24 17:42*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.174	U	0.484	0.484	1.00	0.856	pCi/L	02/15/24 09:47	02/29/24 12:14	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.0*		*30 - 110*	*02/15/24 09:47*	*02/29/24 12:14*	*1*
Y Carrier	*80.7*		*30 - 110*	*02/15/24 09:47*	*02/29/24 12:14*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.270	U	0.492	0.492	5.00	0.856	pCi/L		03/08/24 17:22	1

Client Sample ID: 24011853-008
Date Collected: 02/08/24 10:36
Date Received: 02/13/24 13:18

Lab Sample ID: 160-53128-8
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.427**		0.125	0.130	1.00	0.0949	pCi/L	02/15/24 09:45	03/08/24 17:42	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.0*		*30 - 110*	*02/15/24 09:45*	*03/08/24 17:42*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.262	U	0.327	0.327	1.00	0.542	pCi/L	02/15/24 09:47	02/29/24 12:14	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.0*		*30 - 110*	*02/15/24 09:47*	*02/29/24 12:14*	*1*
Y Carrier	*88.2*		*30 - 110*	*02/15/24 09:47*	*02/29/24 12:14*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.689**		0.350	0.352	5.00	0.542	pCi/L		03/08/24 17:22	1

Client Sample Results

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

Job ID: 160-53128-1
SDG: 24011853

Client Sample ID: 24011853-009
Date Collected: 02/05/24 12:54
Date Received: 02/13/24 13:18

Lab Sample ID: 160-53128-9
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.00157	U	0.0520	0.0520	1.00	0.108	pCi/L	02/15/24 09:45	03/08/24 17:42	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.0*		*30 - 110*	*02/15/24 09:45*	*03/08/24 17:42*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.132	U	0.311	0.311	1.00	0.547	pCi/L	02/15/24 09:47	02/29/24 12:14	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.0*		*30 - 110*	*02/15/24 09:47*	*02/29/24 12:14*	*1*
Y Carrier	*85.6*		*30 - 110*	*02/15/24 09:47*	*02/29/24 12:14*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.133	U	0.315	0.315	5.00	0.547	pCi/L		03/08/24 17:22	1

Client Sample ID: 24011853-010
Date Collected: 02/07/24 09:29
Date Received: 02/13/24 13:18

Lab Sample ID: 160-53128-10
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.00168	U	0.0496	0.0496	1.00	0.106	pCi/L	02/15/24 09:45	03/08/24 17:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.8*		*30 - 110*	*02/15/24 09:45*	*03/08/24 17:43*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.204	U	0.368	0.368	1.00	0.633	pCi/L	02/15/24 09:47	02/29/24 12:14	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.8*		*30 - 110*	*02/15/24 09:47*	*02/29/24 12:14*	*1*
Y Carrier	*82.6*		*30 - 110*	*02/15/24 09:47*	*02/29/24 12:14*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.206	U	0.371	0.371	5.00	0.633	pCi/L		03/08/24 17:22	1

Client Sample Results

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

Lab ID: 160-53128-1
SDG: 24011853

Client Sample ID: 24011853-011
Date Collected: 02/07/24 11:56
Date Received: 02/13/24 13:18

Lab Sample ID: 160-53128-11
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.778		0.161	0.176	1.00	0.0894	pCi/L	02/15/24 09:45	03/08/24 17:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.5*		*30 - 110*	*02/15/24 09:45*	*03/08/24 17:43*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.181	U	0.280	0.281	1.00	0.477	pCi/L	02/15/24 09:47	02/29/24 12:14	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.5*		*30 - 110*	*02/15/24 09:47*	*02/29/24 12:14*	*1*
Y Carrier	*90.1*		*30 - 110*	*02/15/24 09:47*	*02/29/24 12:14*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.959		0.323	0.332	5.00	0.477	pCi/L		03/08/24 17:22	1

Client Sample ID: 24011853-012
Date Collected: 02/07/24 11:46
Date Received: 02/13/24 13:18

Lab Sample ID: 160-53128-12
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.386		0.127	0.132	1.00	0.121	pCi/L	02/15/24 09:45	03/08/24 17:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.5*		*30 - 110*	*02/15/24 09:45*	*03/08/24 17:43*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.645		0.372	0.377	1.00	0.530	pCi/L	02/15/24 09:47	02/29/24 12:14	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.5*		*30 - 110*	*02/15/24 09:47*	*02/29/24 12:14*	*1*
Y Carrier	*86.0*		*30 - 110*	*02/15/24 09:47*	*02/29/24 12:14*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.03		0.393	0.399	5.00	0.530	pCi/L		03/11/24 13:27	1

Client Sample Results

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

Lab ID: 160-53128-1
SDG: 24011853

Client Sample ID: 24011853-013
Date Collected: 02/07/24 09:32
Date Received: 02/13/24 13:18

Lab Sample ID: 160-53128-13
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0874	U	0.0721	0.0725	1.00	0.104	pCi/L	02/15/24 09:45	03/08/24 17:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.0*		*30 - 110*	*02/15/24 09:45*	*03/08/24 17:43*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.696**		0.416	0.421	1.00	0.608	pCi/L	02/15/24 09:47	02/29/24 12:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.0*		*30 - 110*	*02/15/24 09:47*	*02/29/24 12:12*	*1*
Y Carrier	*85.6*		*30 - 110*	*02/15/24 09:47*	*02/29/24 12:12*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.783**		0.422	0.427	5.00	0.608	pCi/L		03/11/24 13:27	1

Client Sample ID: 24011853-014
Date Collected: 02/06/24 15:22
Date Received: 02/13/24 13:18

Lab Sample ID: 160-53128-14
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0796	U	0.136	0.136	1.00	0.238	pCi/L	02/15/24 09:45	03/08/24 17:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*55.0*		*30 - 110*	*02/15/24 09:45*	*03/08/24 17:51*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.774	U G	0.737	0.740	1.00	1.17	pCi/L	02/15/24 09:47	02/29/24 12:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*55.0*		*30 - 110*	*02/15/24 09:47*	*02/29/24 12:12*	*1*
Y Carrier	*80.7*		*30 - 110*	*02/15/24 09:47*	*02/29/24 12:12*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.854	U	0.749	0.752	5.00	1.17	pCi/L		03/11/24 13:27	1

Client Sample Results

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

Lab ID: 160-53128-1
SDG: 24011853

Client Sample ID: 24011853-015
Date Collected: 02/07/24 10:23
Date Received: 02/13/24 13:18

Lab Sample ID: 160-53128-15
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.148		0.0905	0.0915	1.00	0.121	pCi/L	02/15/24 09:45	03/08/24 17:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.8*		*30 - 110*	*02/15/24 09:45*	*03/08/24 17:51*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.322	U	0.324	0.326	1.00	0.521	pCi/L	02/15/24 09:47	02/29/24 12:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.8*		*30 - 110*	*02/15/24 09:47*	*02/29/24 12:12*	*1*
Y Carrier	*81.1*		*30 - 110*	*02/15/24 09:47*	*02/29/24 12:12*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.470	U	0.336	0.339	5.00	0.521	pCi/L		03/11/24 13:27	1

Client Sample ID: 24011853-016
Date Collected: 02/06/24 10:52
Date Received: 02/13/24 13:18

Lab Sample ID: 160-53128-16
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.113	U	0.142	0.143	1.00	0.236	pCi/L	02/15/24 09:45	03/08/24 17:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*63.0*		*30 - 110*	*02/15/24 09:45*	*03/08/24 17:51*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.532	U G	0.660	0.662	1.00	1.09	pCi/L	02/15/24 09:47	02/29/24 12:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*63.0*		*30 - 110*	*02/15/24 09:47*	*02/29/24 12:12*	*1*
Y Carrier	*84.9*		*30 - 110*	*02/15/24 09:47*	*02/29/24 12:12*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.646	U	0.675	0.677	5.00	1.09	pCi/L		03/11/24 13:27	1

Client Sample Results

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

Lab ID: 160-53128-1
SDG: 24011853

Client Sample ID: 24011853-017
Date Collected: 02/06/24 09:41
Date Received: 02/13/24 13:18

Lab Sample ID: 160-53128-17
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.353		0.121	0.125	1.00	0.124	pCi/L	02/15/24 09:45	03/08/24 17:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.5*		*30 - 110*	*02/15/24 09:45*	*03/08/24 17:51*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.810		0.370	0.377	1.00	0.489	pCi/L	02/15/24 09:47	02/29/24 12:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.5*		*30 - 110*	*02/15/24 09:47*	*02/29/24 12:12*	*1*
Y Carrier	*83.4*		*30 - 110*	*02/15/24 09:47*	*02/29/24 12:12*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.16		0.389	0.397	5.00	0.489	pCi/L		03/11/24 13:27	1

Client Sample ID: 24011853-018
Date Collected: 02/07/24 13:24
Date Received: 02/13/24 13:18

Lab Sample ID: 160-53128-18
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0673	U	0.0799	0.0801	1.00	0.131	pCi/L	02/15/24 09:45	03/08/24 17:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.8*		*30 - 110*	*02/15/24 09:45*	*03/08/24 17:51*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.549		0.329	0.333	1.00	0.466	pCi/L	02/15/24 09:47	02/29/24 12:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.8*		*30 - 110*	*02/15/24 09:47*	*02/29/24 12:12*	*1*
Y Carrier	*84.1*		*30 - 110*	*02/15/24 09:47*	*02/29/24 12:12*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.617		0.339	0.342	5.00	0.466	pCi/L		03/11/24 13:27	1

Client Sample Results

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

Job ID: 160-53128-1
SDG: 24011853

Client Sample ID: 24011853-019
Date Collected: 02/07/24 13:33
Date Received: 02/13/24 13:18

Lab Sample ID: 160-53128-19
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.147		0.0857	0.0868	1.00	0.109	pCi/L	02/15/24 09:45	03/08/24 17:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.8*		*30 - 110*	*02/15/24 09:45*	*03/08/24 17:51*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.582		0.373	0.377	1.00	0.549	pCi/L	02/15/24 09:47	02/29/24 12:11	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.8*		*30 - 110*	*02/15/24 09:47*	*02/29/24 12:11*	*1*
Y Carrier	*84.1*		*30 - 110*	*02/15/24 09:47*	*02/29/24 12:11*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.730		0.383	0.387	5.00	0.549	pCi/L		03/11/24 13:27	1

Client Sample ID: 24011853-020
Date Collected: 02/06/24 12:08
Date Received: 02/13/24 13:18

Lab Sample ID: 160-53128-20
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.377		0.216	0.218	1.00	0.270	pCi/L	02/15/24 09:45	03/08/24 17:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*67.8*		*30 - 110*	*02/15/24 09:45*	*03/08/24 17:51*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.898	U G	0.921	0.924	1.00	1.49	pCi/L	02/15/24 09:47	02/29/24 12:11	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*67.8*		*30 - 110*	*02/15/24 09:47*	*02/29/24 12:11*	*1*
Y Carrier	*86.4*		*30 - 110*	*02/15/24 09:47*	*02/29/24 12:11*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.28	U	0.946	0.949	5.00	1.49	pCi/L		03/11/24 13:27	1

Client Sample Results

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

Lab ID: 160-53128-1
SDG: 24011853

Client Sample ID: 24011853-021
Date Collected: 02/06/24 14:14
Date Received: 02/13/24 13:18

Lab Sample ID: 160-53128-21
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0174	U	0.0940	0.0940	1.00	0.191	pCi/L	02/15/24 09:48	03/08/24 09:01	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.3*		*30 - 110*	*02/15/24 09:48*	*03/08/24 09:01*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.401	U	0.418	0.420	1.00	0.676	pCi/L	02/15/24 09:51	02/29/24 12:19	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.3*		*30 - 110*	*02/15/24 09:51*	*02/29/24 12:19*	*1*
Y Carrier	*85.6*		*30 - 110*	*02/15/24 09:51*	*02/29/24 12:19*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.401	U	0.428	0.430	5.00	0.676	pCi/L		03/11/24 13:27	1

Client Sample ID: 24011853-022
Date Collected: 02/06/24 13:31
Date Received: 02/13/24 13:18

Lab Sample ID: 160-53128-22
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0840	U	0.106	0.106	1.00	0.176	pCi/L	02/15/24 09:48	03/08/24 09:01	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.5*		*30 - 110*	*02/15/24 09:48*	*03/08/24 09:01*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.325	U	0.498	0.499	1.00	0.845	pCi/L	02/15/24 09:51	02/29/24 12:19	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.5*		*30 - 110*	*02/15/24 09:51*	*02/29/24 12:19*	*1*
Y Carrier	*83.7*		*30 - 110*	*02/15/24 09:51*	*02/29/24 12:19*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.409	U	0.509	0.510	5.00	0.845	pCi/L		03/11/24 13:27	1

Client Sample Results

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

Lab ID: 160-53128-1
SDG: 24011853

Client Sample ID: 24011853-023
Date Collected: 02/06/24 12:58
Date Received: 02/13/24 13:18

Lab Sample ID: 160-53128-23
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.334		0.112	0.116	1.00	0.103	pCi/L	02/15/24 09:48	03/08/24 09:02	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.3*		*30 - 110*	*02/15/24 09:48*	*03/08/24 09:02*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.09		0.421	0.433	1.00	0.527	pCi/L	02/15/24 09:51	02/29/24 12:22	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.3*		*30 - 110*	*02/15/24 09:51*	*02/29/24 12:22*	*1*
Y Carrier	*83.4*		*30 - 110*	*02/15/24 09:51*	*02/29/24 12:22*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.42		0.436	0.448	5.00	0.527	pCi/L		03/11/24 13:27	1

Client Sample ID: 24011853-024
Date Collected: 02/09/24 08:58
Date Received: 02/13/24 13:18

Lab Sample ID: 160-53128-24
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.28		0.312	0.332	1.00	0.209	pCi/L	02/15/24 09:48	03/08/24 09:02	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*78.3*		*30 - 110*	*02/15/24 09:48*	*03/08/24 09:02*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.12	U G	0.793	0.799	1.00	1.19	pCi/L	02/15/24 09:51	02/29/24 12:22	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*78.3*		*30 - 110*	*02/15/24 09:51*	*02/29/24 12:22*	*1*
Y Carrier	*86.7*		*30 - 110*	*02/15/24 09:51*	*02/29/24 12:22*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	2.40		0.852	0.865	5.00	1.19	pCi/L		03/11/24 13:27	1

Client Sample Results

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

Job ID: 160-53128-1
SDG: 24011853

Client Sample ID: 24011853-025
Date Collected: 02/06/24 11:20
Date Received: 02/13/24 13:18

Lab Sample ID: 160-53128-25
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.114		0.0707	0.0715	1.00	0.0881	pCi/L	02/15/24 09:48	03/08/24 09:02	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.0*		*30 - 110*	*02/15/24 09:48*	*03/08/24 09:02*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.360	U	0.331	0.333	1.00	0.524	pCi/L	02/15/24 09:51	02/29/24 12:22	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.0*		*30 - 110*	*02/15/24 09:51*	*02/29/24 12:22*	*1*
Y Carrier	*79.6*		*30 - 110*	*02/15/24 09:51*	*02/29/24 12:22*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.474	U	0.338	0.341	5.00	0.524	pCi/L		03/11/24 13:27	1

Client Sample ID: 24011853-026
Date Collected: 02/06/24 13:15
Date Received: 02/13/24 13:18

Lab Sample ID: 160-53128-26
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.102	U	0.0996	0.100	1.00	0.154	pCi/L	02/15/24 09:48	03/08/24 09:02	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.0*		*30 - 110*	*02/15/24 09:48*	*03/08/24 09:02*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.512	U	0.525	0.527	1.00	0.850	pCi/L	02/15/24 09:51	02/29/24 12:22	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.0*		*30 - 110*	*02/15/24 09:51*	*02/29/24 12:22*	*1*
Y Carrier	*85.2*		*30 - 110*	*02/15/24 09:51*	*02/29/24 12:22*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.615	U	0.534	0.536	5.00	0.850	pCi/L		03/11/24 13:27	1

Client Sample Results

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

Job ID: 160-53128-1
SDG: 24011853

Client Sample ID: 24011853-027
Date Collected: 02/06/24 14:16
Date Received: 02/13/24 13:18

Lab Sample ID: 160-53128-27
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.133		0.0757	0.0767	1.00	0.0924	pCi/L	02/15/24 09:48	03/08/24 09:02	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*97.8*		*30 - 110*	*02/15/24 09:48*	*03/08/24 09:02*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.225	U	0.312	0.312	1.00	0.523	pCi/L	02/15/24 09:51	02/29/24 12:22	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*97.8*		*30 - 110*	*02/15/24 09:51*	*02/29/24 12:22*	*1*
Y Carrier	*83.7*		*30 - 110*	*02/15/24 09:51*	*02/29/24 12:22*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.358	U	0.321	0.321	5.00	0.523	pCi/L		03/11/24 13:27	1

Client Sample ID: 24011853-028
Date Collected: 02/07/24 10:06
Date Received: 02/13/24 13:18

Lab Sample ID: 160-53128-28
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.181		0.0853	0.0869	1.00	0.0893	pCi/L	02/15/24 09:48	03/08/24 09:03	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.0*		*30 - 110*	*02/15/24 09:48*	*03/08/24 09:03*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.443	U	0.358	0.360	1.00	0.551	pCi/L	02/15/24 09:51	02/29/24 12:23	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.0*		*30 - 110*	*02/15/24 09:51*	*02/29/24 12:23*	*1*
Y Carrier	*78.1*		*30 - 110*	*02/15/24 09:51*	*02/29/24 12:23*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.624		0.368	0.370	5.00	0.551	pCi/L		03/11/24 13:27	1

Client Sample Results

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

Lab ID: 160-53128-1
SDG: 24011853

Client Sample ID: 24011853-029
Date Collected: 02/06/24 10:14
Date Received: 02/13/24 13:18

Lab Sample ID: 160-53128-29
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.224		0.112	0.114	1.00	0.122	pCi/L	02/15/24 09:48	03/08/24 09:03	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.3*		*30 - 110*	*02/15/24 09:48*	*03/08/24 09:03*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.142	U	0.437	0.437	1.00	0.782	pCi/L	02/15/24 09:51	02/29/24 12:23	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.3*		*30 - 110*	*02/15/24 09:51*	*02/29/24 12:23*	*1*
Y Carrier	*78.9*		*30 - 110*	*02/15/24 09:51*	*02/29/24 12:23*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.366	U	0.451	0.452	5.00	0.782	pCi/L		03/11/24 13:27	1

Client Sample ID: 24011853-030
Date Collected: 02/06/24 09:24
Date Received: 02/13/24 13:18

Lab Sample ID: 160-53128-30
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.189		0.118	0.120	1.00	0.145	pCi/L	02/15/24 09:48	03/08/24 09:03	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*67.8*		*30 - 110*	*02/15/24 09:48*	*03/08/24 09:03*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.531	U G	0.617	0.619	1.00	1.01	pCi/L	02/15/24 09:51	02/29/24 12:36	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*67.8*		*30 - 110*	*02/15/24 09:51*	*02/29/24 12:36*	*1*
Y Carrier	*81.1*		*30 - 110*	*02/15/24 09:51*	*02/29/24 12:36*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.721	U	0.628	0.631	5.00	1.01	pCi/L		03/11/24 13:27	1

Client Sample Results

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

Job ID: 160-53128-1
SDG: 24011853

Client Sample ID: 24011853-031
Date Collected: 02/06/24 12:37
Date Received: 02/13/24 13:18

Lab Sample ID: 160-53128-31
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.00761	U	0.0788	0.0788	1.00	0.159	pCi/L	02/15/24 09:48	03/08/24 09:03	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.8*		*30 - 110*	*02/15/24 09:48*	*03/08/24 09:03*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.0859	U	0.461	0.461	1.00	0.878	pCi/L	02/15/24 09:51	02/29/24 12:35	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.8*		*30 - 110*	*02/15/24 09:51*	*02/29/24 12:35*	*1*
Y Carrier	*82.2*		*30 - 110*	*02/15/24 09:51*	*02/29/24 12:35*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.00761	U	0.468	0.468	5.00	0.878	pCi/L		03/11/24 13:27	1

Client Sample ID: 24011853-032
Date Collected: 02/08/24 10:36
Date Received: 02/13/24 13:18

Lab Sample ID: 160-53128-32
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0284	U	0.0557	0.0557	1.00	0.101	pCi/L	02/15/24 09:48	03/08/24 09:03	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.5*		*30 - 110*	*02/15/24 09:48*	*03/08/24 09:03*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.245	U	0.311	0.312	1.00	0.641	pCi/L	02/15/24 09:51	02/29/24 12:35	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.5*		*30 - 110*	*02/15/24 09:51*	*02/29/24 12:35*	*1*
Y Carrier	*85.2*		*30 - 110*	*02/15/24 09:51*	*02/29/24 12:35*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.0284	U	0.316	0.317	5.00	0.641	pCi/L		03/11/24 13:28	1

Client Sample Results

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

Lab ID: 160-53128-1
SDG: 24011853

Client Sample ID: 24011853-033
Date Collected: 02/05/24 12:54
Date Received: 02/13/24 13:18

Lab Sample ID: 160-53128-33
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0577	U	0.0742	0.0743	1.00	0.123	pCi/L	02/15/24 09:48	03/08/24 09:15	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.0*		*30 - 110*	*02/15/24 09:48*	*03/08/24 09:15*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.194	U	0.366	0.367	1.00	0.731	pCi/L	02/15/24 09:51	02/29/24 12:35	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.0*		*30 - 110*	*02/15/24 09:51*	*02/29/24 12:35*	*1*
Y Carrier	*77.0*		*30 - 110*	*02/15/24 09:51*	*02/29/24 12:35*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.0577	U	0.373	0.374	5.00	0.731	pCi/L		03/11/24 13:28	1

Client Sample ID: 24011853-034
Date Collected: 02/08/24 10:42
Date Received: 02/13/24 13:18

Lab Sample ID: 160-53128-34
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.00691	U	0.0601	0.0601	1.00	0.119	pCi/L	02/15/24 09:48	03/08/24 09:15	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.0*		*30 - 110*	*02/15/24 09:48*	*03/08/24 09:15*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.00233	U	0.325	0.325	1.00	0.605	pCi/L	02/15/24 09:51	02/29/24 12:35	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.0*		*30 - 110*	*02/15/24 09:51*	*02/29/24 12:35*	*1*
Y Carrier	*81.1*		*30 - 110*	*02/15/24 09:51*	*02/29/24 12:35*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.00691	U	0.331	0.331	5.00	0.605	pCi/L		03/11/24 13:28	1

QC Sample Results

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

Job ID: 160-53128-1
SDG: 24011853

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-648280/1-A
Matrix: Water
Analysis Batch: 651635

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 648280

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.003933	U	0.0523	0.0523	1.00	0.112	pCi/L	02/15/24 09:45	03/08/24 09:18	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.3*		*30 - 110*	*02/15/24 09:45*	*03/08/24 09:18*	*1*

Lab Sample ID: LCS 160-648280/2-A
Matrix: Water
Analysis Batch: 651635

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 648280

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			11.3	10.87		1.15	1.00	0.143	pCi/L	96	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*93.5*		*30 - 110*

Lab Sample ID: 160-53128-5 DU
Matrix: Water
Analysis Batch: 651625

Client Sample ID: 24011853-005
Prep Type: Total/NA
Prep Batch: 648280

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-226	0.195			0.07057	U	0.0772	1.00	0.123	pCi/L			0.63	1

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
Ba Carrier	*76.5*		*30 - 110*

Lab Sample ID: MB 160-648282/1-A
Matrix: Water
Analysis Batch: 651625

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 648282

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0000	U	0.0516	0.0516	1.00	0.108	pCi/L	02/15/24 09:48	03/08/24 09:00	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.0*		*30 - 110*	*02/15/24 09:48*	*03/08/24 09:00*	*1*

Lab Sample ID: LCS 160-648282/2-A
Matrix: Water
Analysis Batch: 651625

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 648282

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			11.3	11.55		1.20	1.00	0.101	pCi/L	102	75 - 125		

QC Sample Results

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

Job ID: 160-53128-1
SDG: 24011853

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

Lab Sample ID: LCS 160-648282/2-A
Matrix: Water
Analysis Batch: 651625

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 648282

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	90.8		30 - 110

Lab Sample ID: 160-53128-28 DU
Matrix: Water
Analysis Batch: 651625

Client Sample ID: 24011853-028
Prep Type: Total/NA
Prep Batch: 648282

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-226	0.181			0.1087	U	0.0789	1.00	0.109	pCi/L			0.44	1

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	89.3		30 - 110

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-648281/1-A
Matrix: Water
Analysis Batch: 650278

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 648281

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.02232	U	0.265	0.265	1.00	0.496	pCi/L	02/15/24 09:47	02/29/24 12:13	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	91.3		30 - 110	02/15/24 09:47	02/29/24 12:13	1
Y Carrier	84.1		30 - 110	02/15/24 09:47	02/29/24 12:13	1

Lab Sample ID: LCS 160-648281/2-A
Matrix: Water
Analysis Batch: 650278

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 648281

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			9.17	8.877		1.23	1.00	0.500	pCi/L	97	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	93.5		30 - 110
Y Carrier	83.7		30 - 110

Lab Sample ID: 160-53128-5 DU
Matrix: Water
Analysis Batch: 650278

Client Sample ID: 24011853-005
Prep Type: Total/NA
Prep Batch: 648281

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-228	0.373	U		0.1891	U	0.341	1.00	0.589	pCi/L			0.26	1

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

Lab Sample ID: 160-53128-5 DU — **Client Sample ID: 24011853-005**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 650278 — **Prep Batch: 648281**

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	76.5		30 - 110
Y Carrier	87.1		30 - 110

Lab Sample ID: MB 160-648284/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 650274 — **Prep Batch: 648284**

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.4328	U	0.291	0.294	1.00	0.649	pCi/L	02/15/24 09:51	02/29/24 12:19	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	90.0		30 - 110	02/15/24 09:51	02/29/24 12:19	1
Y Carrier	84.5		30 - 110	02/15/24 09:51	02/29/24 12:19	1

Lab Sample ID: LCS 160-648284/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 650274 — **Prep Batch: 648284**

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			9.17	9.484		1.30	1.00	0.573	pCi/L	103	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	90.8		30 - 110
Y Carrier	87.9		30 - 110

Lab Sample ID: 160-53128-28 DU — **Client Sample ID: 24011853-028**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 650274 — **Prep Batch: 648284**

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-228	0.443	U		0.3592	U	0.303	1.00	0.466	pCi/L			0.13	1

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	89.3		30 - 110
Y Carrier	90.1		30 - 110

QC Association Summary

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

Job ID: 160-53128-1
SDG: 24011853

Rad

Prep Batch: 648280

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-53128-1	24011853-001	Total/NA	Water	PrecSep-21	
160-53128-2	24011853-002	Total/NA	Water	PrecSep-21	
160-53128-3	24011853-003	Total/NA	Water	PrecSep-21	
160-53128-4	24011853-004	Total/NA	Water	PrecSep-21	
160-53128-5	24011853-005	Total/NA	Water	PrecSep-21	
160-53128-6	24011853-006	Total/NA	Water	PrecSep-21	
160-53128-7	24011853-007	Total/NA	Water	PrecSep-21	
160-53128-8	24011853-008	Total/NA	Water	PrecSep-21	
160-53128-9	24011853-009	Total/NA	Water	PrecSep-21	
160-53128-10	24011853-010	Total/NA	Water	PrecSep-21	
160-53128-11	24011853-011	Total/NA	Water	PrecSep-21	
160-53128-12	24011853-012	Total/NA	Water	PrecSep-21	
160-53128-13	24011853-013	Total/NA	Water	PrecSep-21	
160-53128-14	24011853-014	Total/NA	Water	PrecSep-21	
160-53128-15	24011853-015	Total/NA	Water	PrecSep-21	
160-53128-16	24011853-016	Total/NA	Water	PrecSep-21	
160-53128-17	24011853-017	Total/NA	Water	PrecSep-21	
160-53128-18	24011853-018	Total/NA	Water	PrecSep-21	
160-53128-19	24011853-019	Total/NA	Water	PrecSep-21	
160-53128-20	24011853-020	Total/NA	Water	PrecSep-21	
MB 160-648280/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-648280/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
160-53128-5 DU	24011853-005	Total/NA	Water	PrecSep-21	

Prep Batch: 648281

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-53128-1	24011853-001	Total/NA	Water	PrecSep_0	
160-53128-2	24011853-002	Total/NA	Water	PrecSep_0	
160-53128-3	24011853-003	Total/NA	Water	PrecSep_0	
160-53128-4	24011853-004	Total/NA	Water	PrecSep_0	
160-53128-5	24011853-005	Total/NA	Water	PrecSep_0	
160-53128-6	24011853-006	Total/NA	Water	PrecSep_0	
160-53128-7	24011853-007	Total/NA	Water	PrecSep_0	
160-53128-8	24011853-008	Total/NA	Water	PrecSep_0	
160-53128-9	24011853-009	Total/NA	Water	PrecSep_0	
160-53128-10	24011853-010	Total/NA	Water	PrecSep_0	
160-53128-11	24011853-011	Total/NA	Water	PrecSep_0	
160-53128-12	24011853-012	Total/NA	Water	PrecSep_0	
160-53128-13	24011853-013	Total/NA	Water	PrecSep_0	
160-53128-14	24011853-014	Total/NA	Water	PrecSep_0	
160-53128-15	24011853-015	Total/NA	Water	PrecSep_0	
160-53128-16	24011853-016	Total/NA	Water	PrecSep_0	
160-53128-17	24011853-017	Total/NA	Water	PrecSep_0	
160-53128-18	24011853-018	Total/NA	Water	PrecSep_0	
160-53128-19	24011853-019	Total/NA	Water	PrecSep_0	
160-53128-20	24011853-020	Total/NA	Water	PrecSep_0	
MB 160-648281/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-648281/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
160-53128-5 DU	24011853-005	Total/NA	Water	PrecSep_0	

QC Association Summary

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

Job ID: 160-53128-1
SDG: 24011853

Rad

Prep Batch: 648282

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-53128-21	24011853-021	Total/NA	Water	PrecSep-21	
160-53128-22	24011853-022	Total/NA	Water	PrecSep-21	
160-53128-23	24011853-023	Total/NA	Water	PrecSep-21	
160-53128-24	24011853-024	Total/NA	Water	PrecSep-21	
160-53128-25	24011853-025	Total/NA	Water	PrecSep-21	
160-53128-26	24011853-026	Total/NA	Water	PrecSep-21	
160-53128-27	24011853-027	Total/NA	Water	PrecSep-21	
160-53128-28	24011853-028	Total/NA	Water	PrecSep-21	
160-53128-29	24011853-029	Total/NA	Water	PrecSep-21	
160-53128-30	24011853-030	Total/NA	Water	PrecSep-21	
160-53128-31	24011853-031	Total/NA	Water	PrecSep-21	
160-53128-32	24011853-032	Total/NA	Water	PrecSep-21	
160-53128-33	24011853-033	Total/NA	Water	PrecSep-21	
160-53128-34	24011853-034	Total/NA	Water	PrecSep-21	
MB 160-648282/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-648282/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
160-53128-28 DU	24011853-028	Total/NA	Water	PrecSep-21	

Prep Batch: 648284

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-53128-21	24011853-021	Total/NA	Water	PrecSep_0	
160-53128-22	24011853-022	Total/NA	Water	PrecSep_0	
160-53128-23	24011853-023	Total/NA	Water	PrecSep_0	
160-53128-24	24011853-024	Total/NA	Water	PrecSep_0	
160-53128-25	24011853-025	Total/NA	Water	PrecSep_0	
160-53128-26	24011853-026	Total/NA	Water	PrecSep_0	
160-53128-27	24011853-027	Total/NA	Water	PrecSep_0	
160-53128-28	24011853-028	Total/NA	Water	PrecSep_0	
160-53128-29	24011853-029	Total/NA	Water	PrecSep_0	
160-53128-30	24011853-030	Total/NA	Water	PrecSep_0	
160-53128-31	24011853-031	Total/NA	Water	PrecSep_0	
160-53128-32	24011853-032	Total/NA	Water	PrecSep_0	
160-53128-33	24011853-033	Total/NA	Water	PrecSep_0	
160-53128-34	24011853-034	Total/NA	Water	PrecSep_0	
MB 160-648284/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-648284/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
160-53128-28 DU	24011853-028	Total/NA	Water	PrecSep_0	

Tracer/Carrier Summary

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

Job ID: 160-53128-1
SDG: 24011853

Method: 903.0 - Radium-226 (GFPC)

Matrix: Water **Prep Type: Total/NA**

		Percent Yield (Acceptance Limits)						
Lab Sample ID	Client Sample ID	Ba (30-110)						
160-53128-1	24011853-001	91.0						
160-53128-2	24011853-002	84.0						
160-53128-3	24011853-003	66.5						
160-53128-4	24011853-004	72.0						
160-53128-5	24011853-005	81.0						
160-53128-5 DU	24011853-005	76.5						
160-53128-6	24011853-006	87.5						
160-53128-7	24011853-007	83.0						
160-53128-8	24011853-008	84.0						
160-53128-9	24011853-009	88.0						
160-53128-10	24011853-010	81.8						
160-53128-11	24011853-011	88.5						
160-53128-12	24011853-012	84.5						
160-53128-13	24011853-013	83.0						
160-53128-14	24011853-014	55.0						
160-53128-15	24011853-015	89.8						
160-53128-16	24011853-016	63.0						
160-53128-17	24011853-017	94.5						
160-53128-18	24011853-018	91.8						
160-53128-19	24011853-019	89.8						
160-53128-20	24011853-020	67.8						
160-53128-21	24011853-021	92.3						
160-53128-22	24011853-022	80.5						
160-53128-23	24011853-023	93.3						
160-53128-24	24011853-024	78.3						
160-53128-25	24011853-025	94.0						
160-53128-26	24011853-026	83.0						
160-53128-27	24011853-027	97.8						
160-53128-28	24011853-028	90.0						
160-53128-28 DU	24011853-028	89.3						
160-53128-29	24011853-029	90.3						
160-53128-30	24011853-030	67.8						
160-53128-31	24011853-031	85.8						
160-53128-32	24011853-032	87.5						
160-53128-33	24011853-033	86.0						
160-53128-34	24011853-034	94.0						
LCS 160-648280/2-A	Lab Control Sample	93.5						
LCS 160-648282/2-A	Lab Control Sample	90.8						
MB 160-648280/1-A	Method Blank	91.3						
MB 160-648282/1-A	Method Blank	90.0						

Tracer/Carrier Legend

Ba = Ba Carrier

Tracer/Carrier Summary

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

Job ID: 160-53128-1
SAS-257-001
SDG: 24011853

Method: 904.0 - Radium-228 (GFPC)

Matrix: Water **Prep Type: Total/NA**

		Percent Yield (Acceptance Limits)	
Lab Sample ID	Client Sample ID	Ba (30-110)	Y (30-110)
160-53128-1	24011853-001	91.0	77.4
160-53128-2	24011853-002	84.0	81.9
160-53128-3	24011853-003	66.5	84.5
160-53128-4	24011853-004	72.0	83.7
160-53128-5	24011853-005	81.0	84.9
160-53128-5 DU	24011853-005	76.5	87.1
160-53128-6	24011853-006	87.5	81.1
160-53128-7	24011853-007	83.0	80.7
160-53128-8	24011853-008	84.0	88.2
160-53128-9	24011853-009	88.0	85.6
160-53128-10	24011853-010	81.8	82.6
160-53128-11	24011853-011	88.5	90.1
160-53128-12	24011853-012	84.5	86.0
160-53128-13	24011853-013	83.0	85.6
160-53128-14	24011853-014	55.0	80.7
160-53128-15	24011853-015	89.8	81.1
160-53128-16	24011853-016	63.0	84.9
160-53128-17	24011853-017	94.5	83.4
160-53128-18	24011853-018	91.8	84.1
160-53128-19	24011853-019	89.8	84.1
160-53128-20	24011853-020	67.8	86.4
160-53128-21	24011853-021	92.3	85.6
160-53128-22	24011853-022	80.5	83.7
160-53128-23	24011853-023	93.3	83.4
160-53128-24	24011853-024	78.3	86.7
160-53128-25	24011853-025	94.0	79.6
160-53128-26	24011853-026	83.0	85.2
160-53128-27	24011853-027	97.8	83.7
160-53128-28	24011853-028	90.0	78.1
160-53128-28 DU	24011853-028	89.3	90.1
160-53128-29	24011853-029	90.3	78.9
160-53128-30	24011853-030	67.8	81.1
160-53128-31	24011853-031	85.8	82.2
160-53128-32	24011853-032	87.5	85.2
160-53128-33	24011853-033	86.0	77.0
160-53128-34	24011853-034	94.0	81.1
LCS 160-648281/2-A	Lab Control Sample	93.5	83.7
LCS 160-648284/2-A	Lab Control Sample	90.8	87.9
MB 160-648281/1-A	Method Blank	91.3	84.1
MB 160-648284/1-A	Method Blank	90.0	84.5

Tracer/Carrier Legend

Ba = Ba Carrier
Y = Y Carrier

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

March 11, 2024

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

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

RE: BAL-24Q1 **WorkOrder:** 24021563

Dear Eric Bauer:

TEKLAB, INC received 4 samples for BAL-257-601 on 2/28/2024 3:11:00 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: 24021563
Client Project: BAL-24Q1
Report Date: 11-Mar-24

This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	5
Accreditations	6
Laboratory Results	7
Sample Summary	13
Quality Control Results	14
Receiving Check List	28
Chain of Custody	Appended

Definitions

Client: Ramboll **Work Order:** 24021563

Client Project: BAL-24Q1 **Report Date:** 11-Mar-24

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

Definitions

Client: Ramboll **Work Order:** 24021563

Client Project: BAL-24Q1 **Report Date:** 11-Mar-24

Qualifiers

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

Case Narrative

Client: Ramboll
Client Project: BAL-24Q1

Work Order: 24021563
Report Date: 11-Mar-24

Cooler Receipt Temp: 9.7 °C

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

Per Eric Bauer's request, only BAL-257-601 data is included in this report. EAH 3/11/24

Locations

Collinsville

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

Springfield

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

Kansas City

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

Collinsville Air

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

Chicago

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

Accreditations

Client: Ramboll **Work Order:** 24021563

Client Project: BAL-24Q1 **Report Date:** 11-Mar-24

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2025	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2024	Collinsville
Louisiana	LDEQ	05002	NELAP	6/30/2024	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2024	Collinsville
Oklahoma	ODEQ	9978	NELAP	8/31/2024	Collinsville
Arkansas	ADEQ	88-0966		3/14/2024	Collinsville
Illinois	IDPH	17584		5/31/2025	Collinsville
Iowa	IDNR	430		6/1/2024	Collinsville
Kentucky	UST	0073		1/31/2025	Collinsville
Missouri	MDNR	00930		10/31/2026	Collinsville
Missouri	MDNR	930		1/31/2025	Collinsville

Laboratory Results

Client: Ramboll **Work Order:** 24021563

Client Project: BAL-24Q1 **Report Date:** 11-Mar-24

Lab ID: 24021563-003 **Client Sample ID:** TPZ-164

Matrix: GROUNDWATER **Collection Date:** 02/28/2024 10:42

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**4.77**	ft	1	02/28/2024 10:42	R343714
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**23**	NTU	1	02/28/2024 10:42	R343714
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**70**	mV	1	02/28/2024 10:42	R343714
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**826**	µS/cm	1	02/28/2024 10:42	R343714
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**9.8**	°C	1	02/28/2024 10:42	R343714
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.20**	mg/L	1	02/28/2024 10:42	R343714
SW-846 9040B FIELD									
pH	*	0	1.00		**7.13**		1	02/28/2024 10:42	R343714
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**285**	mg/L	1	02/29/2024 9:00	R343775
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	02/29/2024 9:00	R343775
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**530**	mg/L	2.5	02/29/2024 8:08	R343817
SW-846 9036 (TOTAL)									
Sulfate	NELAP	31	50		**130**	mg/L	5	03/01/2024 17:09	R343858
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.25**	mg/L	1	02/29/2024 12:55	R343752
SW-846 9251 (TOTAL)									
Chloride	NELAP	2	20		**52**	mg/L	5	03/01/2024 17:09	R343860
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**74.8**	mg/L	1	03/01/2024 9:02	219339
Magnesium	NELAP	0.0070	0.0500		**29.8**	mg/L	1	03/01/2024 9:02	219339
Potassium	NELAP	0.0400	0.100		**8.78**	mg/L	1	03/01/2024 9:02	219339
Sodium	NELAP	0.0180	0.0500		**69.3**	mg/L	1	03/01/2024 9:02	219339
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	03/04/2024 19:17	219339
Arsenic	NELAP	0.0004	0.0010	J	**0.0008**	mg/L	5	03/04/2024 19:17	219339
Barium	NELAP	0.0007	0.0010		**0.0746**	mg/L	5	03/06/2024 14:38	219339
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	03/04/2024 19:17	219339
Boron	NELAP	0.0092	0.0250		**0.922**	mg/L	5	03/04/2024 19:17	219339
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	03/04/2024 19:17	219339
Chromium	NELAP	0.0007	0.0015		**< 0.0015**	mg/L	5	03/05/2024 13:33	219339
Cobalt	NELAP	0.0001	0.0010		**< 0.0010**	mg/L	5	03/04/2024 19:17	219339
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	03/04/2024 19:17	219339
Lithium	*	0.0015	0.0030		**0.0099**	mg/L	5	03/04/2024 19:17	219339
Molybdenum	NELAP	0.0006	0.0015		**0.0132**	mg/L	5	03/04/2024 19:17	219339
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	03/04/2024 19:17	219339
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	03/04/2024 19:17	219339

Laboratory Results

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

Client: Ramboll **Work Order:** 24021563

Client Project: BAL-24Q1 **Report Date:** 11-Mar-24

Lab ID: 24021563-003 **Client Sample ID:** TPZ-164

Matrix: GROUNDWATER **Collection Date:** 02/28/2024 10:42

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	03/05/2024 8:49	219377

Laboratory Results

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

Client: Ramboll **Work Order:** 24021563

Client Project: BAL-24Q1 **Report Date:** 11-Mar-24

Lab ID: 24021563-004 **Client Sample ID:** XPW05

Matrix: GROUNDWATER **Collection Date:** 02/28/2024 11:40

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**4.67**	ft	1	02/28/2024 11:40	R343714
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**22**	NTU	1	02/28/2024 11:40	R343714
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**2**	mV	1	02/28/2024 11:40	R343714
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**802**	µS/cm	1	02/28/2024 11:40	R343714
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**16.0**	°C	1	02/28/2024 11:40	R343714
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.44**	mg/L	1	02/28/2024 11:40	R343714
SW-846 9040B FIELD									
pH	*	0	1.00		**7.19**		1	02/28/2024 11:40	R343714
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**238**	mg/L	1	02/29/2024 9:06	R343775
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	02/29/2024 9:06	R343775
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**485**	mg/L	2.5	02/29/2024 8:15	R343817
SW-846 9036 (TOTAL)									
Sulfate	NELAP	31	50		**123**	mg/L	5	03/01/2024 17:14	R343858
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.53**	mg/L	1	02/29/2024 12:56	R343752
SW-846 9251 (TOTAL)									
Chloride	NELAP	2	20		**47**	mg/L	5	03/01/2024 17:14	R343860
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**56.2**	mg/L	1	03/01/2024 11:16	219370
Magnesium	NELAP	0.0055	0.0500		**23.3**	mg/L	1	03/01/2024 11:16	219370
Potassium	NELAP	0.200	0.500		**10.3**	mg/L	5	03/01/2024 17:13	219370
Sodium	NELAP	0.0180	0.0500		**82.6**	mg/L	1	03/01/2024 11:16	219370
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	03/05/2024 1:54	219370
Arsenic	NELAP	0.0004	0.0010		**0.0160**	mg/L	5	03/05/2024 1:54	219370
Barium	NELAP	0.0007	0.0010		**0.284**	mg/L	5	03/06/2024 14:44	219370
Beryllium	NELAP	0.0002	0.0010	J	**0.0004**	mg/L	5	03/05/2024 1:54	219370
Boron	NELAP	0.0092	0.0250		**0.977**	mg/L	5	03/06/2024 14:44	219370
Cadmium	NELAP	0.0002	0.0010	J	**0.0002**	mg/L	5	03/05/2024 1:54	219370
Chromium	NELAP	0.0008	0.0015		**0.0048**	mg/L	5	03/05/2024 14:42	219370
Cobalt	NELAP	0.0001	0.0010	J	**0.0009**	mg/L	5	03/05/2024 14:42	219370
Lead	NELAP	0.0006	0.0010		**0.0032**	mg/L	5	03/05/2024 1:54	219370
Lithium	*	0.0015	0.0030		**0.0093**	mg/L	5	03/05/2024 1:54	219370
Molybdenum	NELAP	0.0006	0.0015		**0.0199**	mg/L	5	03/05/2024 1:54	219370
Selenium	NELAP	0.0006	0.0010		**0.0011**	mg/L	5	03/05/2024 1:54	219370
Thallium	NELAP	0.0010	0.0020	J	**0.0011**	mg/L	5	03/05/2024 1:54	219370

Laboratory Results

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

Client: Ramboll **Work Order:** 24021563

Client Project: BAL-24Q1 **Report Date:** 11-Mar-24

Lab ID: 24021563-004 **Client Sample ID:** XPW05

Matrix: GROUNDWATER **Collection Date:** 02/28/2024 11:40

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	03/05/2024 8:51	219377

Laboratory Results

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

Client: Ramboll **Work Order:** 24021563

Client Project: BAL-24Q1 **Report Date:** 11-Mar-24

Lab ID: 24021563-005 **Client Sample ID:** Field Blank

Matrix: AQUEOUS **Collection Date:** 02/28/2024 13:25

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**1**	mg/L	1	02/29/2024 9:12	R343775
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	02/29/2024 9:12	R343775
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**20**	mg/L	1	02/29/2024 8:15	R343817
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10		**< 10**	mg/L	1	03/01/2024 17:17	R343858
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**< 0.10**	mg/L	1	02/29/2024 12:58	R343752
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**< 4**	mg/L	1	03/01/2024 17:17	R343860
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**< 0.100**	mg/L	1	03/01/2024 11:18	219370
Magnesium	NELAP	0.0055	0.0500		**< 0.0500**	mg/L	1	03/01/2024 11:18	219370
Potassium	NELAP	0.0400	0.100		**< 0.100**	mg/L	1	03/01/2024 11:18	219370
Sodium	NELAP	0.0180	0.0500		**< 0.0500**	mg/L	1	03/01/2024 11:18	219370
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	03/05/2024 1:59	219370
Arsenic	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	03/05/2024 1:59	219370
Barium	NELAP	0.0007	0.0010		**< 0.0010**	mg/L	5	03/06/2024 14:49	219370
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	03/05/2024 1:59	219370
Boron	NELAP	0.0092	0.0250		**< 0.0250**	mg/L	5	03/05/2024 1:59	219370
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	03/05/2024 1:59	219370
Chromium	NELAP	0.0008	0.0015		**< 0.0015**	mg/L	5	03/05/2024 14:47	219370
Cobalt	NELAP	0.0001	0.0010		**< 0.0010**	mg/L	5	03/05/2024 1:59	219370
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	03/05/2024 1:59	219370
Lithium	*	0.0015	0.0030		**< 0.0030**	mg/L	5	03/05/2024 1:59	219370
Molybdenum	NELAP	0.0006	0.0015		**< 0.0015**	mg/L	5	03/05/2024 1:59	219370
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	03/05/2024 1:59	219370
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	03/05/2024 1:59	219370
CCV recovered outside the upper control limits for B. Sample results are below the reporting limit. Data is reportable per the TNI standard.									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	03/05/2024 8:58	219377

Laboratory Results

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

Client: Ramboll **Work Order:** 24021563

Client Project: BAL-24Q1 **Report Date:** 11-Mar-24

Lab ID: 24021563-006 **Client Sample ID:** Equipment Blank

Matrix: AQUEOUS **Collection Date:** 02/28/2024 13:30

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**1**	mg/L	1	02/29/2024 9:16	R343775
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	02/29/2024 9:16	R343775
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**20**	mg/L	1	02/29/2024 8:15	R343817
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10		**< 10**	mg/L	1	03/01/2024 17:22	R343858
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**< 0.10**	mg/L	1	02/29/2024 13:01	R343752
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**< 4**	mg/L	1	03/01/2024 17:22	R343860
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**0.166**	mg/L	1	03/01/2024 11:19	219370
Magnesium	NELAP	0.0055	0.0500		**0.0677**	mg/L	1	03/01/2024 11:19	219370
Potassium	NELAP	0.0400	0.100		**< 0.100**	mg/L	1	03/01/2024 11:19	219370
Sodium	NELAP	0.0180	0.0500		**0.140**	mg/L	1	03/01/2024 11:19	219370
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	03/05/2024 2:05	219370
Arsenic	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	03/05/2024 2:05	219370
Barium	NELAP	0.0007	0.0010		**< 0.0010**	mg/L	5	03/06/2024 14:55	219370
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	03/05/2024 2:05	219370
Boron	NELAP	0.0092	0.0250		**< 0.0250**	mg/L	5	03/05/2024 2:05	219370
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	03/05/2024 2:05	219370
Chromium	NELAP	0.0008	0.0015		**< 0.0015**	mg/L	5	03/05/2024 14:53	219370
Cobalt	NELAP	0.0001	0.0010		**< 0.0010**	mg/L	5	03/05/2024 2:05	219370
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	03/05/2024 2:05	219370
Lithium	*	0.0015	0.0030		**< 0.0030**	mg/L	5	03/05/2024 2:05	219370
Molybdenum	NELAP	0.0006	0.0015		**< 0.0015**	mg/L	5	03/05/2024 2:05	219370
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	03/05/2024 2:05	219370
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	03/05/2024 2:05	219370
CCV recovered outside the upper control limits for B. Sample results are below the reporting limit. Data is reportable per the TNI standard.									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	03/06/2024 13:00	219450

Sample Summary

Client: Ramboll
Client Project: BAL-24Q1

Work Order: 24021563
Report Date: 11-Mar-24

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
24021563-003	TPZ-164	Groundwater	2	02/28/2024 10:42
24021563-004	XPW05	Groundwater	2	02/28/2024 11:40
24021563-005	Field Blank	Aqueous	4	02/28/2024 13:25
24021563-006	Equipment Blank	Aqueous	4	02/28/2024 13:30

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24021563

Client Project: BAL-24Q1 **Report Date:** 11-Mar-24

STANDARD METHODS 2510 B FIELD

Batch R343714 **SampType:** LCS Units **µS/cm**
SampID: LCS-R343714-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	99.9	90	110	02/28/2024

SW-846 9040B FIELD

Batch R343714 **SampType:** LCS Units
SampID: LCS-R343714-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.09**	7.000	0	101.3	98.57	101.4	02/28/2024

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R343817 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	02/29/2024

Batch R343817 **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		**900**	1000	0	90.0	90	110	02/29/2024

Batch R343817 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24021482-007ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		50		**825**				830.0	0.60	02/29/2024

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

Batch R343696 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**< 0.05**	0.0250	0	0	-100	100	02/28/2024
Nitrogen, Nitrite (as N)		0.05		**< 0.05**	0.0250	0	0	-100	100	02/28/2024

Batch R343696 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.32**	0.3045	0	105.1	90	110	02/28/2024
Nitrogen, Nitrite (as N)		0.05		**0.32**	0.3045	0	105.1	90	110	02/28/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24021563

Client Project: BAL-24Q1 **Report Date:** 11-Mar-24

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

Batch R343696 **SampType:** MS Units **mg/L**
SampID: 24021991-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.50**	0.5000	0	100.6	85	115	02/28/2024

Batch R343696 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24021991-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.50**	0.5000	0	100.6	0.5030	0.00	02/28/2024

Batch R343696 **SampType:** MS Units **mg/L**
SampID: 24021999-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.47**	0.5000	0	94.2	85	115	02/28/2024

Batch R343696 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24021999-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.47**	0.5000	0	94.4	0.4710	0.21	02/28/2024

Batch R343696 **SampType:** MS Units **mg/L**
SampID: 24022093-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.46**	0.5000	0.01200	89.8	85	115	02/29/2024

Batch R343696 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24022093-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.49**	0.5000	0.01200	94.8	0.4610	5.28	02/29/2024

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

Batch R343723 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate (as N)		0.050		**< 0.050**						02/29/2024
Nitrogen, Nitrate-Nitrite (as N)		0.050		**< 0.050**	0.0090	0	0	-100	100	02/29/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24021563

Client Project: BAL-24Q1 **Report Date:** 11-Mar-24

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

Batch R343723 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.481**	0.5000	0	96.2	90	110	02/29/2024

Batch R343723 **SampType:** MS Units **mg/L**
SampID: 24021563-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.250		**3.70**	1.250	2.437	101.4	85	115	02/29/2024

Batch R343723 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24021563-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.250		**3.73**	1.250	2.437	103.8	3.705	0.78	02/29/2024

SW-846 9036 (DISSOLVED)

Batch R343858 **SampType:** MS Units **mg/L**
SampID: 24021563-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50		**161**	100.0	67.45	93.9	85	115	03/01/2024

Batch R343858 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24021563-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		50		**167**	100.0	67.45	99.3	161.4	3.27	03/01/2024

SW-846 9036 (TOTAL)

Batch R343858 **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	03/01/2024

Batch R343858 **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	96.0	90	110	03/01/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24021563

Client Project: BAL-24Q1 **Report Date:** 11-Mar-24

SW-846 9036 (TOTAL)

Batch R343858 **SampType:** MS Units **mg/L**
SampID: 24021482-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50		**209**	100.0	110.5	98.8	85	115	03/01/2024

Batch R343858 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24021482-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		50		**213**	100.0	110.5	102.6	209.3	1.82	03/01/2024

Batch R343858 **SampType:** MS Units **mg/L**
SampID: 24021482-003AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10	S	**22**	20.00	6.470	76.2	85	115	03/01/2024

Batch R343858 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24021482-003AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10	S	**22**	20.00	6.470	77.9	21.71	1.55	03/01/2024

Batch R343858 **SampType:** MS Units **mg/L**
SampID: 24021484-003AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		200		**578**	400.0	215.4	90.5	85	115	03/01/2024

Batch R343858 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24021484-003AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		200		**600**	400.0	215.4	96.3	577.5	3.90	03/01/2024

Batch R343934 **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	03/05/2024

Batch R343934 **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	98.2	90	110	03/05/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24021563

Client Project: BAL-24Q1 **Report Date:** 11-Mar-24

SW-846 9036 (TOTAL)

Batch R343934 **SampType:** MS Units **mg/L**
SampID: 24021452-004AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**37**	20.00	19.81	87.9	85	115	03/05/2024

Batch R343934 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24021452-004AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10		**38**	20.00	19.81	89.5	37.39	0.85	03/05/2024

Batch R343934 **SampType:** MS Units **mg/L**
SampID: 24030097-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		20		**88**	40.00	49.36	96.1	85	115	03/05/2024

Batch R343934 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24030097-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		20		**88**	40.00	49.36	97.4	87.81	0.58	03/05/2024

Batch R343934 **SampType:** MS Units **mg/L**
SampID: 24030108-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		1000		**4010**	2000	2086	96.4	90	110	03/05/2024

Batch R343934 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24030108-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		1000		**4000**	2000	2086	95.5	4014	0.47	03/05/2024

SW-846 9214 (TOTAL)

Batch R343752 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**< 0.10**	0.0500	0	0	-100	100	02/29/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24021563

Client Project: BAL-24Q1 **Report Date:** 11-Mar-24

SW-846 9214 (TOTAL)

Batch R343752 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**0.95**	1.000	0	95.0	90	110	02/29/2024

Batch R343752 **SampType:** MS Units **mg/L**
SampID: 24021482-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.45**	2.000	0.3750	103.8	75	125	02/29/2024

Batch R343752 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24021482-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.50**	2.000	0.3750	106.4	2.450	2.14	02/29/2024

Batch R343752 **SampType:** MS Units **mg/L**
SampID: 24021482-009AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.23**	2.000	0.3250	95.0	75	125	02/29/2024

Batch R343752 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24021482-009AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.22**	2.000	0.3250	94.6	2.226	0.45	02/29/2024

Batch R343752 **SampType:** MS Units **mg/L**
SampID: 24021484-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.22**	2.000	0.1750	102.2	75	125	02/29/2024

Batch R343752 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24021484-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.06**	2.000	0.1750	94.2	2.220	7.53	02/29/2024

Batch R343752 **SampType:** MS Units **mg/L**
SampID: 24021484-007AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.18**	2.000	0.1710	100.6	75	125	02/29/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24021563

Client Project: BAL-24Q1 **Report Date:** 11-Mar-24

SW-846 9214 (TOTAL)

Batch R343752 **SampType:** MSD Units **mg/L** RPD Limit **15**

SampID: 24021484-007AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.06**	2.000	0.1710	94.7	2.184	5.60	02/29/2024

SW-846 9251 (DISSOLVED)

Batch R343860 **SampType:** MS Units **mg/L**

SampID: 24021563-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**33**	20.00	16.00	86.8	85	115	03/01/2024

Batch R343860 **SampType:** MSD Units **mg/L** RPD Limit **15**

SampID: 24021563-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**34**	20.00	16.00	89.4	33.36	1.58	03/01/2024

SW-846 9251 (TOTAL)

Batch R343860 **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	03/01/2024

Batch R343860 **SampType:** LCS Units **mg/L**

SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**19**	20.00	0	96.7	90	110	03/01/2024

Batch R343860 **SampType:** MS Units **mg/L**

SampID: 24021482-003AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		8		**81**	40.00	46.60	85.8	85	115	03/01/2024

Batch R343860 **SampType:** MSD Units **mg/L** RPD Limit **15**

SampID: 24021482-003AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		8	S	**80**	40.00	46.60	84.0	80.90	0.88	03/01/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24021563

Client Project: BAL-24Q1 **Report Date:** 11-Mar-24

SW-846 9251 (TOTAL)

Batch R343967 **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	03/05/2024

Batch R343967 **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	101.6	90	110	03/05/2024

Batch R343967 **SampType:** MS Units **mg/L**
SampID: 24021452-004AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**49**	20.00	30.72	89.4	85	115	03/05/2024

Batch R343967 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24021452-004AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**49**	20.00	30.72	89.7	48.61	0.08	03/05/2024

Batch R343967 **SampType:** MS Units **mg/L**
SampID: 24030097-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**37**	20.00	19.35	90.7	85	115	03/05/2024

Batch R343967 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24030097-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**38**	20.00	19.35	91.4	37.48	0.37	03/05/2024

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 219339 **SampType:** MBLK Units **mg/L**
SampID: MBLK-219339

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	03/01/2024
Magnesium		0.0500		**< 0.0500**	0.0070	0	0	-100	100	03/01/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	03/01/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	03/01/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24021563

Client Project: BAL-24Q1 **Report Date:** 11-Mar-24

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 219339 **SampType:** LCS Units **mg/L**
SampID: LCS-219339

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.46**	2.500	0	98.3	85	115	03/01/2024
Magnesium		0.0500		**2.39**	2.500	0	95.6	85	115	03/01/2024
Potassium		0.100		**2.61**	2.500	0	104.5	85	115	03/01/2024
Sodium		0.0500		**2.52**	2.500	0	100.7	85	115	03/01/2024

Batch 219339 **SampType:** MS Units **mg/L**
SampID: 24021482-005BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**179**	2.500	176.5	107.6	75	125	03/01/2024
Magnesium		0.050		**55.4**	2.500	53.19	86.6	75	125	03/01/2024
Potassium		0.100		**5.17**	2.500	2.583	103.4	75	125	03/01/2024
Sodium		0.050		**40.0**	2.500	37.82	86.8	75	125	03/01/2024

Batch 219339 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24021482-005BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**174**	2.500	176.5	-100.8	179.2	2.95	03/01/2024
Magnesium		0.050	S	**54.1**	2.500	53.19	35.8	55.36	2.32	03/01/2024
Potassium		0.100		**5.05**	2.500	2.583	98.6	5.167	2.33	03/01/2024
Sodium		0.050	S	**38.9**	2.500	37.82	43.2	39.99	2.76	03/01/2024

Batch 219370 **SampType:** MBLK Units **mg/L**
SampID: MBLK-219370

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	03/01/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	03/01/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	03/01/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	03/01/2024

Batch 219370 **SampType:** LCS Units **mg/L**
SampID: LCS-219370

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.47**	2.500	0	99.0	85	115	03/01/2024
Magnesium		0.0500		**2.43**	2.500	0	97.1	85	115	03/01/2024
Potassium		0.100		**2.66**	2.500	0	106.2	85	115	03/01/2024
Sodium		0.0500		**2.51**	2.500	0	100.5	85	115	03/01/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24021563

Client Project: BAL-24Q1 **Report Date:** 11-Mar-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch 219373 **SampType:** MBLK Units **mg/L**

SampID: MBLK-219373

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	03/06/2024

Batch 219373 **SampType:** LCS Units **mg/L**

SampID: LCS-219373

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		0.0250		**0.470**	0.5000	0	93.9	80	120	03/06/2024

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 219339 **SampType:** MBLK Units **mg/L**

SampID: MBLK-219339

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		**< 0.0010**	0.0004	0	0	-100	100	03/04/2024
Arsenic		0.0010		**< 0.0010**	0.0004	0	0	-100	100	03/04/2024
Barium		0.0010		**< 0.0010**	0.0007	0	0	-100	100	03/04/2024
Beryllium		0.0010		**< 0.0010**	0.0002	0	0	-100	100	03/04/2024
Boron	*	0.0250		**< 0.0250**	0.0093	0	0	-100	100	03/04/2024
Cadmium		0.0010		**< 0.0010**	0.0001	0	0	-100	100	03/04/2024
Chromium		0.0015		**< 0.0015**	0.0007	0	0	-100	100	03/04/2024
Cobalt		0.0010		**< 0.0010**	0.0001	0	0	-100	100	03/04/2024
Iron	*	0.0250		**< 0.0250**	0.0115	0	0	-100	100	03/04/2024
Lead		0.0010		**< 0.0010**	0.0006	0	0	-100	100	03/04/2024
Lithium	*	0.0030		**< 0.0030**	0.0015	0	0	-100	100	03/04/2024
Manganese		0.0020		**< 0.0020**	0.0008	0	0	-100	100	03/04/2024
Molybdenum		0.0015		**< 0.0015**	0.0006	0	0	-100	100	03/04/2024
Selenium		0.0010		**< 0.0010**	0.0006	0	0	-100	100	03/04/2024
Thallium		0.0020		**< 0.0020**	0.0010	0	0	-100	100	03/04/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24021563

Client Project: BAL-24Q1 **Report Date:** 11-Mar-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 219339 **SampType:** LCS Units **mg/L**

SampID: LCS-219339

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		**0.483**	0.5000	0	96.6	85	115	03/04/2024
Arsenic		0.0010		**0.512**	0.5000	0	102.3	85	115	03/04/2024
Barium		0.0010		**1.90**	2.000	0	95.0	85	115	03/04/2024
Beryllium		0.0010		**0.0546**	0.0500	0	109.1	85	115	03/04/2024
Boron	*	0.0250		**0.526**	0.5000	0	105.1	85	115	03/04/2024
Cadmium		0.0010		**0.0505**	0.0500	0	100.9	85	115	03/04/2024
Chromium		0.0015		**0.196**	0.2000	0	98.2	85	115	03/04/2024
Cobalt		0.0010		**0.489**	0.5000	0	97.9	85	115	03/04/2024
Iron	*	0.0250		**2.11**	2.000	0	105.6	85	115	03/05/2024
Lead		0.0010		**0.471**	0.5000	0	94.2	85	115	03/04/2024
Lithium	*	0.0030		**0.530**	0.5000	0	106.0	85	115	03/04/2024
Manganese		0.0020		**0.490**	0.5000	0	98.0	85	115	03/04/2024
Molybdenum		0.0015		**0.462**	0.5000	0	92.4	85	115	03/04/2024
Selenium		0.0010		**0.493**	0.5000	0	98.6	85	115	03/04/2024
Thallium		0.0020		**0.221**	0.2500	0	88.4	85	115	03/04/2024

Batch 219339 **SampType:** MS Units **mg/L**

SampID: 24021563-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Iron		0.0250		**2.52**	2.000	0.5854	96.8	75	125	03/05/2024
Manganese		0.0020		**1.74**	0.5000	1.291	89.6	75	125	03/05/2024

Batch 219339 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 24021563-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Iron		0.0250		**2.44**	2.000	0.5854	92.8	2.522	3.22	03/05/2024
Manganese		0.0020		**1.67**	0.5000	1.291	75.1	1.739	4.28	03/05/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24021563

Client Project: BAL-24Q1 **Report Date:** 11-Mar-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 219370 **SampType:** MBLK Units **mg/L**

SampID: MBLK-219370

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	03/05/2024
Arsenic		0.0010		**< 0.0010**	0.0004	0	0	-100	100	03/05/2024
Barium		0.0010		**< 0.0010**	0.0007	0	0	-100	100	03/06/2024
Beryllium		0.0010		**< 0.0010**	0.0002	0	0	-100	100	03/05/2024
Boron	*	0.0250		**< 0.0250**	0.0093	0	0	-100	100	03/05/2024
Cadmium		0.0010		**< 0.0010**	0.0001	0	0	-100	100	03/05/2024
Chromium		0.0015		**< 0.0015**	0.0007	0	0	-100	100	03/05/2024
Cobalt		0.0010		**< 0.0010**	0.0001	0	0	-100	100	03/05/2024
Iron	*	0.0250		**< 0.0250**	0.0115	0	0	-100	100	03/05/2024
Lead		0.0010		**< 0.0010**	0.0006	0	0	-100	100	03/05/2024
Lithium	*	0.0030		**< 0.0030**	0.0015	0	0	-100	100	03/05/2024
Manganese		0.0020		**< 0.0020**	0.0008	0	0	-100	100	03/05/2024
Molybdenum		0.0015		**< 0.0015**	0.0006	0	0	-100	100	03/05/2024
Selenium		0.0010		**< 0.0010**	0.0006	0	0	-100	100	03/05/2024
Thallium		0.0020		**< 0.0020**	0.0010	0	0	-100	100	03/05/2024

Batch 219370 **SampType:** LCS Units **mg/L**

SampID: LCS-219370

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		**0.470**	0.5000	0	93.9	85	115	03/05/2024
Arsenic		0.0010		**0.519**	0.5000	0	103.9	85	115	03/05/2024
Barium		0.0010		**2.05**	2.000	0	102.6	85	115	03/06/2024
Beryllium		0.0010		**0.0502**	0.0500	0	100.5	85	115	03/05/2024
Boron	*	0.0250		**0.471**	0.5000	0	94.2	85	115	03/05/2024
Cadmium		0.0010		**0.0489**	0.0500	0	97.9	85	115	03/05/2024
Chromium		0.0015		**0.186**	0.2000	0	92.8	85	115	03/05/2024
Cobalt		0.0010		**0.495**	0.5000	0	98.9	85	115	03/05/2024
Iron	*	0.0250		**1.95**	2.000	0	97.7	85	115	03/05/2024
Lead		0.0010		**0.462**	0.5000	0	92.5	85	115	03/05/2024
Lithium	*	0.0030		**0.488**	0.5000	0	97.6	85	115	03/05/2024
Manganese		0.0020		**0.475**	0.5000	0	95.1	85	115	03/05/2024
Molybdenum		0.0015		**0.448**	0.5000	0	89.5	85	115	03/05/2024
Selenium		0.0010		**0.493**	0.5000	0	98.5	85	115	03/05/2024
Thallium		0.0020		**0.216**	0.2500	0	86.2	85	115	03/05/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24021563

Client Project: BAL-24Q1 **Report Date:** 11-Mar-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 219370 **SampType:** MS Units **mg/L**
SampID: 24022069-007AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron	*	0.0250	S	**12.2**	0.5000	10.54	332.6	70	130	03/06/2024
Iron	*	0.0250		**2.06**	2.000	0.2127	92.4	70	130	03/05/2024
Selenium		0.0010		**0.633**	0.5000	0.1454	97.6	70	130	03/06/2024

Batch 219370 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24022069-007AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Boron	*	0.0250	S	**13.0**	0.5000	10.54	487.4	12.20	6.15	03/06/2024
Iron	*	0.0250		**2.11**	2.000	0.2127	94.9	2.061	2.40	03/05/2024
Selenium		0.0010		**0.646**	0.5000	0.1454	100.2	0.6332	2.08	03/06/2024

SW-846 7470A (TOTAL)

Batch 219377 **SampType:** MBLK Units **mg/L**
SampID: MBLK-219377

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	03/05/2024

Batch 219377 **SampType:** LCS Units **mg/L**
SampID: LCS-219377

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00504**	0.0050	0	100.7	85	115	03/04/2024

Batch 219450 **SampType:** MBLK Units **mg/L**
SampID: MBLK-219450

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	03/06/2024

Batch 219450 **SampType:** LCS Units **mg/L**
SampID: LCS-219450

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	03/06/2024

Batch 219450 **SampType:** MS Units **mg/L**
SampID: 24022135-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00430**	0.0050	0	86.0	75	125	03/06/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24021563

Client Project: BAL-24Q1 **Report Date:** 11-Mar-24

SW-846 7470A (TOTAL)

Batch 219450 **SampType:** MSD Units **mg/L** RPD Limit **15**

SampID: 24022135-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00450**	0.0050	0	90.1	0.004299	4.66	03/06/2024

Batch 219450 **SampType:** MS Units **mg/L**

SampID: 24030011-004BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00482**	0.0050	0	96.3	75	125	03/06/2024

Batch 219450 **SampType:** MSD Units **mg/L** RPD Limit **15**

SampID: 24030011-004BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00471**	0.0050	0	94.1	0.004817	2.33	03/06/2024

Teklab, Inc. Environmental Laboratory

Receiving Check List

http://www.teklabinc.com/

Client: Ramboll
Work Order: 24021563
Client Project: BAL-24Q1
Report Date: 11-Mar-24

Carrier: Tracy Carroll
Received By: AMD

Completed by: Amber Dilallo
On: 28-Feb-24

Reviewed by: Ellie Hopkins
On: 28-Feb-24

Pages to follow: Chain of custody 1 Extra pages included 0

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C 9.7
Type of thermal preservation?	None ☐	Ice ☑	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Reported field parameters measured:	Field ☑	Lab ☐	NA ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐		

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water – at least one vial per sample has zero headspace?	Yes ☐	No ☐	No VOA vials ☑
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☑	NA ☐
NPDES/CWA TCN interferences checked/treated in the field?	Yes ☐	No ☐	NA ☑

Any No responses must be detailed below or on the COC.

Additional Nitric Acid (96331) was needed in TPZ-164 and Equipment Blank upon arrival at the laboratory. - amberdilallo - 2/28/2024 3:46:04 PM

Equipment Blank was filtered and preserved with Nitric Acid (96331) and left unpreserved for the dissolved parameters upon arrival at the laboratory. - amberdilallo - 2/28/2024 3:46:30 PM

pH strip #90719. - LM/amberdilallo - 2/28/2024 3:46:32 PM

CHAIN-OF-CUSTODY / Analytical Request Document

24021563

BAL-257-601

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

Page: 1 of 1

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Baldwin	Report To: Brian Voelker	Attention: Kim Edmiaston
Address: 10901 Baldwin Road	Copy To: Sam Davies-samantha.davies@vistracorp.com	Company Name: Vistra Corp
Baldwin, IL 62217	Kim Edmiaston-Kimberly.Edmiaston@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

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

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	Requested Analysis Filtered (Y/N): BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Lab Filter Equip. Blank (006) / Project No./ Lab I.D.
1	MW-155	WT	G	2/28/24	1235		4	2		2											X			24021563-001
2	MW-355	WT	G		1300		4	2		2											X			24021563-002
3	TPZ-164	WT	G		1042		2	1		1							X		X					24021563-003
4	XPW05	WT	G		1140		2	1		1							X		X					24021563-004
5	Field Blank	WT	G		1325		4	2		2							X		X		X			24021563-005
6	X Equipment Blank	WT	G		1330		4	2		2							X		X		X			24021563-006
7																								
8																								
9																								
10																								
11																								
12																								
13																								
14																								
15																								
16																								

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)
BAL-24Q1 Rev 0 Resampling	Tracy Carroll	2/28	311	Urban Dibble	2/28/24	1511	9.7	>	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Tracy Carroll

SIGNATURE of SAMPLER: Tracy Carroll DATE Signed (MM/DD/YY): 2/28/24

LCS

X Preservative rinsed out 2/28/24

Added TPZ164 & Equipment Blank

HNO3 ~~(9419H)~~ to (9L331)

TE 2/28/24

pH ✓ 90719 un 2/28

Confidential

Site Samping Event: Baldwin- 1Q24
LIMS Workorder: 24021563
Technician(s): DC, TC

Groundwater Sampling Summary
Baldwin- 1Q 2024

			Weather				Well Condition				
WO Sample	**Well ID**	**Program/ Sample Type**	**Temp (°F)**	**Precipitation**	**Wind Direction**	**Sky**	**Well Pad**	**Casing**	**Protective Cover**	**Reference Mark/ ID**	**Well Locked**
001	MW-155	Groundwater Sample	32.0	None	SW	Clear	Good	Good	Good	Yes	Yes
002	MW-355	Groundwater Sample	32.0	None	SW	Clear	Good	Good	Good	Yes	Yes
003	TPZ-164	Groundwater Sample	30.0	None	SW	Clear	Good	Good	Good	Yes	Yes
004	XPW05	Groundwater Sample	32.0	None	SW	Clear	Good	Good	Good	Yes	Yes
005	Field Blank	QA/QC Sample	33.0	None	SW	Clear					
006	Equipment Blank	QA/QC Sample	33.0	None	SW	Clear					

Site Samping Event: Baldwin- 1Q24
LIMS Workorder: 24021563
Technician(s): DC, TC

Groundwater Sampling Summary
Baldwin- 1Q 2024

		GW Level Measurement				Purge Activities							
WO Sample	**Well ID**	**Sampler Initials**	**Date/Time**	**DTW (ft)**	**DTB (ft)**	**Sampler Initials**	**Purge Date**	**Purge Start Time**	**Purge End Time**	**Purging Device**	**Well Diameter (in)**	**Actual Volume Purged (L)**	**Purge Rate (mL/min)**
001	MW-155	DC	2/28/24 12:19	N/A	23.40	DC	2/28/2024	12:20	12:35	Bladder Pump	2"	2.0	133.3
002	MW-355	DC	2/28/24 12:49	24.38	35.40	DC	2/28/2024	12:50	13:06	Bladder Pump	2"	3.0	187.5
003	TPZ-164	DC	2/28/24 10:13	4.77	12.90	DC	2/28/2024	10:17	10:42	Peristaltic Pump	2"	5.5	220.0
004	XPW05	DC	2/28/24 11:14	4.67	31.15	DC	2/28/2024	11:16	11:40	Bladder Pump	2"	8.0	333.3
005	Field Blank			-	-								
006	Equipment Blank			-	-								

Site Samping Event: Baldwin- 1Q24
LIMS Workorder: 24021563
Technician(s): DC, TC

Groundwater Sampling Summary
Baldwin- 1Q 2024

		Sampling Activities and Observations										
WO Sample	**Well ID**	**Sampler Initials**	**Date**	**Time**	**Sampling Method**	**Instrument ID**	**Field Filtered**	**Appearance**	**Odor**	**Color**	**Post-Sample DTW (ft)**	**Drawdown (ft)**
001	MW-155	TAC	02/28/24	12:35	Low Flow	45600	Yes	Clear	None	None	20.50	N/A
002	MW-355	TAC	02/28/24	13:06	Low Flow	45600	Yes	Clear	None	None	26.41	2.03
003	TPZ-164	TAC	02/28/24	10:42	Low Flow	45600	No	Clear	None	None	4.80	0.03
004	XPW05	TAC	02/28/24	11:40	Low Flow	45600	No	Clear	None	None	4.80	0.13
005	Field Blank	TAC	02/28/24	13:25		45600						
006	Equipment Blank	TAC	02/28/24	13:30		45600						

Site Samping Event: Baldwin- 1Q24
LIMS Workorder: 24021563
Technician(s): DC, TC

Groundwater Sampling Summary
Baldwin- 1Q 2024

WO Sample	Well ID	COMMENTS
001	MW-155	20.50 top of pump
002	MW-355	
003	TPZ-164	
004	XPW05	
005	Field Blank	
006	Equipment Blank	

Site Samping Event: Baldwin- 1Q24
LIMS Workorder: 24021563
Technician(s): DC, TC

Stabilized Field Parameters Summary
Baldwin- 1Q 2024

Well ID	Date	Time	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	DTW (ft)	LIMS ID
MW-155	2/28/2024	12:35	12.9	55.2	7.03	748.4	0.87	7.09	17.6	N/A	24021563-001A
MW-355	2/28/2024	13:06	13.3	55.9	6.99	746.2	0.59	4.00	36.0	24.38	24021563-002A
TPZ-164	2/28/2024	10:42	9.8	49.6	7.13	825.8	1.20	23.46	69.8	4.77	24021563-003A
XPW05	2/28/2024	11:40	16.0	60.8	7.19	802.3	0.44	21.71	1.8	4.67	24021563-004A
Field Blank	2/28/2024	13:25	*QA/QC Sample*								24021563-005A
Equipment Blank	2/28/2024	13:30	*QA/QC Sample*								24021563-006A

Site Samping Event: Baldwin- 1Q24
LIMS Workorder: 24021563
Technician(s): DC, TC

Groundwater Sampling Form- Groundwater Quality Parameters
Baldwin- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-155	2/28/2024	12:29	N/A	12.9	55.2	7.05	751.8	1.35	17.38	13.9
MW-155	2/28/2024	12:32	N/A	12.8	55.0	7.04	749.9	1.04	9.35	16.4
MW-155	2/28/2024	12:35	N/A	12.9	55.2	7.03	748.4	0.87	7.09	17.6

Site Samping Event: Baldwin- 1Q24
LIMS Workorder: 24021563
Technician(s): DC, TC

Groundwater Sampling Form- Groundwater Quality Parameters
Baldwin- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-355	2/28/2024	13:00	24.38	13.3	55.9	7.01	746.3	0.98	13.79	39.9
MW-355	2/28/2024	13:03	24.38	13.3	55.9	7.00	745.9	0.72	7.22	37.5
MW-355	2/28/2024	13:06	24.38	13.3	55.9	6.99	746.2	0.59	4.00	36.0

Site Samping Event: Baldwin- 1Q24
LIMS Workorder: 24021563
Technician(s): DC, TC

Groundwater Sampling Form- Groundwater Quality Parameters
Baldwin- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
TPZ-164	2/28/2024	10:36	4.77	9.8	49.6	7.10	836.7	1.63	17.59	82.3
TPZ-164	2/28/2024	10:39	4.77	9.7	49.5	7.12	826.6	1.34	18.63	76.1
TPZ-164	2/28/2024	10:42	4.77	9.8	49.6	7.13	825.8	1.20	23.46	69.8

Site Samping Event: Baldwin- 1Q24
LIMS Workorder: 24021563
Technician(s): DC, TC

Groundwater Sampling Form- Groundwater Quality Parameters
Baldwin- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
XPW05	2/28/2024	11:34	4.67	15.9	60.6	7.17	804.8	0.48	24.28	15.9
XPW05	2/28/2024	11:37	4.67	16.1	61.0	7.18	803.1	0.45	22.81	8.8
XPW05	2/28/2024	11:40	4.67	16.0	60.8	7.19	802.3	0.44	21.71	1.8

Site Samping Event: Baldwin- 1Q24
LIMS Workorder: 24021563
Technician(s): DC, TC

Groundwater Sampling Form- Groundwater Quality Parameters
Baldwin- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
Field Blank	2/28/2024	13:25	*QA/QC Sample*							

Site Samping Event: Baldwin- 1Q24
LIMS Workorder: 24021563
Technician(s): DC, TC

Groundwater Sampling Form- Groundwater Quality Parameters
Baldwin- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
Equipment Blank	2/28/2024	13:30	*QA/QC Sample*							

Site Samping Event: Baldwin- 1Q24
LIMS Workorder: 24021563
Technician(s): DC, TC

Field Calibration Log(s)
Baldwin- 1Q 2024

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 45600 Technician(s): Tracy Carroll/Danny Crump Date: 2/28/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230830B	4.00	2/28/24 9:42
7.0 Buffer	WC230616F	7.00	2/28/24 9:45
10.0 Buffer	WC231027D	10.00	2/28/24 9:46
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1412	2/28/24 9:49

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1		
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %	Comments
LCS	2/28/24 9:59	10.9	7.09	1,411	1.45			
CCV	2/28/24 13:30	11.1	7.09	1,350	1.62			

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 45600
Description YSI Pro DSS
Calibrated 12/26/2023 5:10:39PM

Manufacturer YSI
Model Number Pro DSS
Serial Number/ Lot Number 19D104679
Location St. Louis
Department

State Certified
Status Pass
Temp °C 22.2
Humidity % 43

Calibration Specifications

Group # 1
Group Name PH
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
7.00 / 7.00	PH	7.00	PH	7.07	7.00	0.00%	Pass
4.00 / 4.00	PH	4.00	PH	3.83	4.00	0.00%	Pass
10.00 / 10.00	PH	10.00	PH	10.09	10.00	0.00%	Pass

Group # 2
Group Name Turbidity
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.0

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
0.0 / 0.0	NTU	0.0	NTU	-1.6	0.0	0.00%	Pass
124.0 / 124.0	NTU	124.0	NTU	120.0	124.0	0.00%	Pass

Group # 3
Group Name Conductivity
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.000

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
1.413 / 1.413	ms/cm	1.413	ms/cm	1.441	1.413	0.00%	Pass

Group # 4
Group Name Redox (ORP)
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.0

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
240.0 / 240.0	mv	240.0	mv	252.1	240.0	0.00%	Pass

Group # 5
Group Name Dissolved Oxygen Span
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.0

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 45600
Description YSI Pro DSS
Calibrated 12/26/2023 5:10:39PM

Group # 5
Group Name Dissolved Oxygen Span
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.0

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
100.0 / 100.0	%	100.0	%	97.1	100.0	0.00%	Pass

Test Instruments Used During the Calibration **(As Of Cal Entry Date)**

Test Standard ID	Description	Manufacturer	Model Number	Serial Number / Lot Number	Last Cal Date/ Opened Date	Next Cal Date / Expiration Date
STL 126 NTU L#23E24002133	STL 126 NTU L#23E24002133	YSI	126 NTU	23E24002133		5/20/2024
STL 1413 COND L#3GF1521	STL 1413 COND L#3GF1521	AquaPhoenix Scientific	31986	3GF1521		5/20/2024
STL ORP SOLUTION 240MV L#3GJ0094	STL ORP SOLUTION 240MV L#3GJ0094	AquaPhoenix Scientific	ORP Solution	3GJ0094		7/25/2024
STL PH10 #3GF1088	STL PH10 #3GF1088	AquaPhoenix Scientific	PH 10	3GF1088		6/25/2025
STL PH4 L#3GG0025	STL pH4 L#3GG0025	AquaPhoenix Scientific	pH 4	3GG0025		7/25/2025
STL PH7 L#3GK1332	STL PH7 L#3GK1332	AquaPhoenix Scientific	PH7	3GK1332		11/25/2025

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated Austin Carter

All instruments are calibrated by Pine Environmental Services LLC according to the manufacturer's specifications, but it is the customer's responsibility to calibrate and maintain this unit in accordance with the manufacturer's specifications and/or the customer's own specific needs.

Notify Pine Environmental Services LLC of any defect within 24 hours of receipt of equipment
Please call 800-301-9663 for Technical Assistance

Teklab, Inc.
Environmental Laboratory

http://www.teklabinc.com/

May 17, 2024

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

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

RE: BAL-24Q2 **WorkOrder:** 24040437

Dear Eric Bauer:

TEKLAB, INC received 22 samples for BAL_257_601 on 4/18/2024 3:30:00 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
Client Project: BAL-24Q2

Work Order: 24040437
Report Date: 17-May-24

This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	5
Accreditations	6
Laboratory Results	7
Sample Summary	49
Quality Control Results	50
Receiving Check List	94
Chain of Custody	Appended

Definitions

Client: Ramboll **Work Order:** 24040437

Client Project: BAL-24Q2 **Report Date:** 17-May-24

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

Definitions

Client: Ramboll **Work Order:** 24040437

Client Project: BAL-24Q2 **Report Date:** 17-May-24

Qualifiers

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

Case Narrative

Client: Ramboll
Client Project: BAL-24Q2

Work Order: 24040437
Report Date: 17-May-24

Cooler Receipt Temp: 18.7 °C

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

Per Chase Christenson, cancel sampling of MW-306. EAH 4/17/24

Per Eric Bauer's request, only BAL_257_601 data is included in this report. EAH 5/17/24

Locations

Collinsville

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

Springfield

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

Kansas City

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

Collinsville Air

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

Chicago

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

Accreditations

Client: Ramboll **Work Order:** 24040437

Client Project: BAL-24Q2 **Report Date:** 17-May-24

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2025	Collinsville
Illinois	IEPA	1004652024-2	NELAP	4/30/2025	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2025	Collinsville
Louisiana	LDEQ	05002	NELAP	6/30/2024	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2024	Collinsville
Oklahoma	ODEQ	9978	NELAP	8/31/2024	Collinsville
Arkansas	ADEQ	88-0966		3/14/2025	Collinsville
Illinois	IDPH	17584		5/31/2025	Collinsville
Iowa	IDNR	430		6/1/2024	Collinsville
Kentucky	UST	0073		1/31/2025	Collinsville
Mississippi	MSDH			4/30/2025	Collinsville
Missouri	MDNR	930		1/31/2025	Collinsville
Missouri	MDNR	00930		10/31/2026	Collinsville

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24040437

Client Project: BAL-24Q2 **Report Date:** 17-May-24

Lab ID: 24040437-009 **Client Sample ID:** MW-192

Matrix: GROUNDWATER **Collection Date:** 04/16/2024 11:39

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**8.24**	ft	1	04/16/2024 11:39	R346175
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**5.1**	NTU	1	04/16/2024 11:39	R346175
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-15**	mV	1	04/16/2024 11:39	R346175
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**572**	µS/cm	1	04/16/2024 11:39	R346175
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**17.3**	°C	1	04/16/2024 11:39	R346175
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.81**	mg/L	1	04/16/2024 11:39	R346175
SW-846 9040B FIELD									
pH	*	0	1.00		**6.96**		1	04/16/2024 11:39	R346175
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**356**	mg/L	1	04/19/2024 10:39	R345998
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	04/19/2024 10:39	R345998
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**355**	mg/L	2.5	04/17/2024 8:18	R345963
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10	S	**14**	mg/L	1	04/18/2024 15:38	R345984
Matrix spike did not recover within control limits. Results verified by dilution.									
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.45**	mg/L	1	04/25/2024 11:48	R346326
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**20**	mg/L	1	04/18/2024 15:38	R345964
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.350	1.00		**72.4**	mg/L	10	04/19/2024 18:05	221556
Magnesium	NELAP	0.0055	0.0500		**32.8**	mg/L	1	04/19/2024 18:06	221556
Potassium	NELAP	0.0400	0.100		**0.562**	mg/L	1	04/18/2024 17:33	221556
Sodium	NELAP	0.0180	0.0500		**53.3**	mg/L	1	04/18/2024 17:33	221556
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**0.0032**	mg/L	5	04/23/2024 17:18	221556
Arsenic	NELAP	0.0004	0.0010	J	**0.0005**	mg/L	5	04/20/2024 7:07	221556
Barium	NELAP	0.0007	0.0010		**0.0883**	mg/L	5	04/20/2024 7:07	221556
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	04/22/2024 20:24	221556
Boron	NELAP	0.0092	0.0250		**0.0296**	mg/L	5	04/22/2024 20:24	221556
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	04/20/2024 7:07	221556
Chromium	NELAP	0.0007	0.0015		**< 0.0015**	mg/L	5	04/23/2024 17:18	221556
Cobalt	NELAP	0.0001	0.0010	J	**0.0006**	mg/L	5	04/20/2024 7:07	221556
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	04/20/2024 7:07	221556
Lithium	*	0.0015	0.0030		**0.0039**	mg/L	5	04/22/2024 20:24	221556
Molybdenum	NELAP	0.0007	0.0015		**0.0018**	mg/L	5	04/20/2024 7:07	221556
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	04/20/2024 7:07	221556
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	04/20/2024 7:07	221556

Laboratory Results

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

Client: Ramboll **Work Order:** 24040437

Client Project: BAL-24Q2 **Report Date:** 17-May-24

Lab ID: 24040437-009 **Client Sample ID:** MW-192

Matrix: GROUNDWATER **Collection Date:** 04/16/2024 11:39

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	04/19/2024 9:31	221655

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24040437

Client Project: BAL-24Q2 **Report Date:** 17-May-24

Lab ID: 24040437-010 **Client Sample ID:** MW-193

Matrix: GROUNDWATER **Collection Date:** 04/16/2024 10:44

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**8.86**	ft	1	04/16/2024 10:44	R346175
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**8.2**	NTU	1	04/16/2024 10:44	R346175
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**30**	mV	1	04/16/2024 10:44	R346175
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**706**	µS/cm	1	04/16/2024 10:44	R346175
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**17.8**	°C	1	04/16/2024 10:44	R346175
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**2.09**	mg/L	1	04/16/2024 10:44	R346175
SW-846 9040B FIELD									
pH	*	0	1.00		**6.81**		1	04/16/2024 10:44	R346175
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**313**	mg/L	1	04/19/2024 10:45	R345998
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	04/19/2024 10:45	R345998
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**545**	mg/L	2.5	04/17/2024 8:19	R345963
SW-846 9036 (TOTAL)									
Sulfate	NELAP	31	50		**158**	mg/L	5	04/18/2024 16:18	R345984
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.26**	mg/L	1	04/25/2024 11:34	R346326
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**32**	mg/L	1	04/18/2024 16:13	R345964
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	3.50	10.0		**94.3**	mg/L	100	04/19/2024 18:06	221556
Magnesium	NELAP	0.0055	0.0500		**35.6**	mg/L	1	04/18/2024 17:37	221556
Potassium	NELAP	0.0400	0.100		**0.674**	mg/L	1	04/18/2024 17:37	221556
Sodium	NELAP	0.0180	0.0500		**76.1**	mg/L	1	04/18/2024 17:37	221556
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	J	**0.0010**	mg/L	5	04/23/2024 17:24	221556
Arsenic	NELAP	0.0004	0.0010	J	**0.0005**	mg/L	5	04/20/2024 7:13	221556
Barium	NELAP	0.0007	0.0010		**0.0771**	mg/L	5	04/20/2024 7:13	221556
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	04/22/2024 20:30	221556
Boron	NELAP	0.0092	0.0250		**0.0584**	mg/L	5	04/22/2024 20:30	221556
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	04/20/2024 7:13	221556
Chromium	NELAP	0.0007	0.0015	J	**0.0009**	mg/L	5	04/23/2024 17:24	221556
Cobalt	NELAP	0.0001	0.0010	J	**0.0005**	mg/L	5	04/20/2024 7:13	221556
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	04/20/2024 7:13	221556
Lithium	*	0.0015	0.0030		**0.0050**	mg/L	5	04/22/2024 20:30	221556
Molybdenum	NELAP	0.0007	0.0015	J	**0.0008**	mg/L	5	04/20/2024 7:13	221556
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	04/20/2024 7:13	221556
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	04/20/2024 7:13	221556

Laboratory Results

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

Client: Ramboll **Work Order:** 24040437

Client Project: BAL-24Q2 **Report Date:** 17-May-24

Lab ID: 24040437-010 **Client Sample ID:** MW-193

Matrix: GROUNDWATER **Collection Date:** 04/16/2024 10:44

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	04/19/2024 9:33	221655

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24040437

Client Project: BAL-24Q2 **Report Date:** 17-May-24

Lab ID: 24040437-013 **Client Sample ID:** MW-304

Matrix: GROUNDWATER **Collection Date:** 04/16/2024 11:30

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**9.21**	ft	1	04/16/2024 11:30	R346175
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**7.1**	NTU	1	04/16/2024 11:30	R346175
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**44**	mV	1	04/16/2024 11:30	R346175
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**2460**	µS/cm	1	04/16/2024 11:30	R346175
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**17.3**	°C	1	04/16/2024 11:30	R346175
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.21**	mg/L	1	04/16/2024 11:30	R346175
SW-846 9040B FIELD									
pH	*	0	1.00		**7.81**		1	04/16/2024 11:30	R346175
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**805**	mg/L	1	04/19/2024 10:51	R345998
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	04/19/2024 10:51	R345998
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**1340**	mg/L	2.5	04/17/2024 8:19	R345963
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**195**	mg/L	10	04/18/2024 16:21	R345984
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**1.69**	mg/L	1	04/25/2024 11:53	R346326
SW-846 9251 (TOTAL)									
Chloride	NELAP	5	40		**161**	mg/L	10	04/18/2024 16:21	R345964
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	3.50	10.0		**13.0**	mg/L	100	04/19/2024 18:07	221556
Magnesium	NELAP	0.0055	0.0500		**4.78**	mg/L	1	04/18/2024 17:38	221556
Potassium	NELAP	0.0400	0.100		**2.48**	mg/L	1	04/18/2024 17:38	221556
Sodium	NELAP	1.80	5.00		**613**	mg/L	100	04/19/2024 18:07	221556
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	J	**0.0005**	mg/L	5	04/23/2024 17:29	221556
Arsenic	NELAP	0.0004	0.0010		**0.0028**	mg/L	5	04/20/2024 7:19	221556
Barium	NELAP	0.0007	0.0010		**0.0199**	mg/L	5	04/20/2024 7:19	221556
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	04/22/2024 20:36	221556
Boron	NELAP	0.0092	0.0250		**1.70**	mg/L	5	04/22/2024 20:36	221556
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	04/20/2024 7:19	221556
Chromium	NELAP	0.0007	0.0015		**< 0.0015**	mg/L	5	04/23/2024 17:29	221556
Cobalt	NELAP	0.0001	0.0010		**< 0.0010**	mg/L	5	04/20/2024 7:19	221556
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	04/20/2024 7:19	221556
Lithium	*	0.0015	0.0030		**0.0823**	mg/L	5	04/22/2024 20:36	221556
Molybdenum	NELAP	0.0007	0.0015	J	**0.0008**	mg/L	5	04/20/2024 7:19	221556
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	04/20/2024 7:19	221556
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	04/20/2024 7:19	221556

Laboratory Results

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

Client: Ramboll **Work Order:** 24040437

Client Project: BAL-24Q2 **Report Date:** 17-May-24

Lab ID: 24040437-013 **Client Sample ID:** MW-304

Matrix: GROUNDWATER **Collection Date:** 04/16/2024 11:30

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	04/19/2024 9:36	221655

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24040437

Client Project: BAL-24Q2 **Report Date:** 17-May-24

Lab ID: 24040437-018 **Client Sample ID:** MW-356

Matrix: GROUNDWATER **Collection Date:** 04/16/2024 12:23

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**4.64**	ft	1	04/16/2024 12:23	R346175
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**2.0**	NTU	1	04/16/2024 12:23	R346175
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-72**	mV	1	04/16/2024 12:23	R346175
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**923**	µS/cm	1	04/16/2024 12:23	R346175
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**16.2**	°C	1	04/16/2024 12:23	R346175
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.79**	mg/L	1	04/16/2024 12:23	R346175
SW-846 9040B FIELD									
pH	*	0	1.00		**7.77**		1	04/16/2024 12:23	R346175
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**519**	mg/L	1	04/19/2024 10:59	R345998
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	04/19/2024 10:59	R345998
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**700**	mg/L	2.5	04/17/2024 8:19	R345963
SW-846 9036 (TOTAL)									
Sulfate	NELAP	12	20		**45**	mg/L	2	04/18/2024 16:37	R345984
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**2.21**	mg/L	1	04/25/2024 11:22	R346326
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**34**	mg/L	1	04/18/2024 16:26	R345964
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	3.50	10.0		**15.0**	mg/L	100	04/19/2024 18:08	221556
Magnesium	NELAP	0.0055	0.0500		**7.96**	mg/L	1	04/18/2024 17:39	221556
Potassium	NELAP	0.0400	0.100		**3.03**	mg/L	1	04/18/2024 17:39	221556
Sodium	NELAP	0.0180	0.0500		**270**	mg/L	1	04/18/2024 17:39	221556
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	J	**0.0008**	mg/L	5	04/23/2024 18:33	221556
Arsenic	NELAP	0.0004	0.0010	J	**0.0007**	mg/L	5	04/20/2024 7:49	221556
Barium	NELAP	0.0007	0.0010		**0.0302**	mg/L	5	04/20/2024 7:49	221556
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	04/22/2024 20:42	221556
Boron	NELAP	0.0092	0.0250		**1.87**	mg/L	5	04/22/2024 20:42	221556
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	04/20/2024 7:49	221556
Chromium	NELAP	0.0007	0.0015		**< 0.0015**	mg/L	5	04/23/2024 18:33	221556
Cobalt	NELAP	0.0001	0.0010		**< 0.0010**	mg/L	5	04/20/2024 7:49	221556
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	04/20/2024 7:49	221556
Lithium	*	0.0015	0.0030		**0.0521**	mg/L	5	04/22/2024 20:42	221556
Molybdenum	NELAP	0.0007	0.0015	J	**0.0015**	mg/L	5	04/20/2024 7:49	221556
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	04/20/2024 7:49	221556
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	04/20/2024 7:49	221556

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

Laboratory Results

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

Client: Ramboll
Work Order: 24040437
Client Project: BAL-24Q2
Report Date: 17-May-24
Lab ID: 24040437-018
Client Sample ID: MW-356
Matrix: GROUNDWATER
Collection Date: 04/16/2024 12:23

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020	J	**0.00014**	mg/L	1	04/19/2024 9:47	221655

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24040437

Client Project: BAL-24Q2 **Report Date:** 17-May-24

Lab ID: 24040437-019 **Client Sample ID:** MW-358

Matrix: GROUNDWATER **Collection Date:** 04/17/2024 10:17

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**3.81**	ft	1	04/17/2024 10:17	R346175
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**23**	NTU	1	04/17/2024 10:17	R346175
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-280**	mV	1	04/17/2024 10:17	R346175
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**2510**	µS/cm	1	04/17/2024 10:17	R346175
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**16.2**	°C	1	04/17/2024 10:17	R346175
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.54**	mg/L	1	04/17/2024 10:17	R346175
SW-846 9040B FIELD									
pH	*	0	1.00		**7.69**		1	04/17/2024 10:17	R346175
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**532**	mg/L	1	04/18/2024 16:28	R345998
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	04/18/2024 16:28	R345998
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**1430**	mg/L	1	04/19/2024 8:26	R346097
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10		**19**	mg/L	1	04/19/2024 22:36	R346075
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**1.53**	mg/L	1	04/25/2024 11:59	R346326
SW-846 9251 (TOTAL)									
Chloride	NELAP	25	200		**458**	mg/L	50	04/19/2024 22:58	R346082
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**59.4**	mg/L	1	04/19/2024 18:55	221509
Magnesium	NELAP	0.0250	0.0500		**29.1**	mg/L	1	04/19/2024 18:55	221509
Potassium	NELAP	0.0400	0.100		**2.22**	mg/L	1	04/19/2024 18:55	221509
Sodium	NELAP	0.0180	0.0500		**283**	mg/L	1	04/19/2024 18:55	221509
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	04/20/2024 17:17	221509
Arsenic	NELAP	0.0004	0.0010		**0.0014**	mg/L	5	04/20/2024 17:17	221509
Barium	NELAP	0.0007	0.0010		**0.120**	mg/L	5	04/20/2024 17:17	221509
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	04/20/2024 17:17	221509
Boron	NELAP	0.0092	0.0250		**0.277**	mg/L	5	04/20/2024 17:17	221509
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	04/20/2024 17:17	221509
Chromium	NELAP	0.0007	0.0015	J	**0.0010**	mg/L	5	04/20/2024 17:17	221509
Cobalt	NELAP	0.0001	0.0010	J	**0.0003**	mg/L	5	04/20/2024 17:17	221509
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	04/25/2024 18:17	221509
Lithium	*	0.0015	0.0030		**0.0425**	mg/L	5	04/20/2024 17:17	221509
Molybdenum	NELAP	0.0006	0.0015		**0.0044**	mg/L	5	04/23/2024 0:40	221509
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	04/20/2024 17:17	221509
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	04/20/2024 17:17	221509

Laboratory Results

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

Client: Ramboll
Work Order: 24040437
Client Project: BAL-24Q2
Report Date: 17-May-24
Lab ID: 24040437-019
Client Sample ID: MW-358
Matrix: GROUNDWATER
Collection Date: 04/17/2024 10:17

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020	J	**0.00011**	mg/L	1	04/19/2024 9:49	221655

Laboratory Results

Client: Ramboll **Work Order:** 24040437

Client Project: BAL-24Q2 **Report Date:** 17-May-24

Lab ID: 24040437-021 **Client Sample ID:** MW-369

Matrix: GROUNDWATER **Collection Date:** 04/16/2024 13:18

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**10.49**	ft	1	04/16/2024 13:18	R346175
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**4.5**	NTU	1	04/16/2024 13:18	R346175
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-47**	mV	1	04/16/2024 13:18	R346175
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**991**	µS/cm	1	04/16/2024 13:18	R346175
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**16.3**	°C	1	04/16/2024 13:18	R346175
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.68**	mg/L	1	04/16/2024 13:18	R346175
SW-846 9040B FIELD									
pH	*	0	1.00		**7.00**		1	04/16/2024 13:18	R346175
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**534**	mg/L	1	04/19/2024 11:13	R345998
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	04/19/2024 11:13	R345998
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**870**	mg/L	2.5	04/17/2024 8:19	R345963
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**123**	mg/L	10	04/18/2024 17:09	R345984
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.97**	mg/L	1	04/25/2024 11:49	R346326
SW-846 9251 (TOTAL)									
Chloride	NELAP	5	40		**80**	mg/L	10	04/18/2024 17:08	R345964
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**115**	mg/L	1	04/19/2024 20:37	221595
Magnesium	NELAP	0.0055	0.0500		**38.2**	mg/L	1	04/19/2024 20:37	221595
Potassium	NELAP	0.0400	0.100		**3.25**	mg/L	1	04/19/2024 20:37	221595
Sodium	NELAP	0.0180	0.0500		**106**	mg/L	1	04/19/2024 20:37	221595
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	BJ	**0.0007**	mg/L	5	04/23/2024 10:15	221595
Arsenic	NELAP	0.0004	0.0010		**0.0012**	mg/L	5	04/20/2024 9:56	221595
Barium	NELAP	0.0007	0.0010		**0.147**	mg/L	5	04/20/2024 9:56	221595
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	04/20/2024 9:56	221595
Boron	NELAP	0.0092	0.0250		**0.397**	mg/L	5	04/20/2024 9:56	221595
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	04/20/2024 9:56	221595
Chromium	NELAP	0.0007	0.0015		**< 0.0015**	mg/L	5	04/23/2024 10:15	221595
Cobalt	NELAP	0.0001	0.0010	J	**0.0005**	mg/L	5	04/20/2024 9:56	221595
Lead	NELAP	0.0006	0.0010	B	**< 0.0010**	mg/L	5	04/20/2024 9:56	221595
Lithium	*	0.0015	0.0030		**0.0192**	mg/L	5	04/20/2024 9:56	221595
Molybdenum	NELAP	0.0006	0.0015		**0.0059**	mg/L	5	04/20/2024 9:56	221595
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	04/23/2024 10:15	221595
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	04/20/2024 9:56	221595

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

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

Laboratory Results

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

Client: Ramboll **Work Order:** 24040437

Client Project: BAL-24Q2 **Report Date:** 17-May-24

Lab ID: 24040437-021 **Client Sample ID:** MW-369

Matrix: GROUNDWATER **Collection Date:** 04/16/2024 13:18

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	04/19/2024 9:54	221655

Laboratory Results

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

Client: Ramboll **Work Order:** 24040437

Client Project: BAL-24Q2 **Report Date:** 17-May-24

Lab ID: 24040437-022 **Client Sample ID:** MW-370

Matrix: GROUNDWATER **Collection Date:** 04/16/2024 13:39

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**17.95**	ft	1	04/16/2024 13:39	R346175
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**2.0**	NTU	1	04/16/2024 13:39	R346175
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**20**	mV	1	04/16/2024 13:39	R346175
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**4470**	µS/cm	1	04/16/2024 13:39	R346175
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**18.4**	°C	1	04/16/2024 13:39	R346175
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.81**	mg/L	1	04/16/2024 13:39	R346175
SW-846 9040B FIELD									
pH	*	0	1.00		**7.59**		1	04/16/2024 13:39	R346175
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**393**	mg/L	1	04/19/2024 12:28	R345998
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	04/19/2024 12:28	R345998
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**3170**	mg/L	1	04/18/2024 10:19	R346011
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**247**	mg/L	10	04/18/2024 17:11	R345984
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**3.33**	mg/L	1	04/25/2024 11:29	R346326
SW-846 9251 (TOTAL)									
Chloride	NELAP	25	200		**1460**	mg/L	50	04/18/2024 17:17	R345964
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**39.5**	mg/L	1	04/19/2024 20:39	221595
Magnesium	NELAP	0.0055	0.0500	S	**22.8**	mg/L	1	04/19/2024 20:39	221595
Potassium	NELAP	0.0400	0.100		**5.73**	mg/L	1	04/19/2024 20:39	221595
Sodium	NELAP	0.0180	0.0500	S	**1150**	mg/L	1	04/19/2024 20:39	221595
Matrix spike control limits are not applicable due to high sample/spike ratio.									
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	04/24/2024 12:53	221595
Arsenic	NELAP	0.0004	0.0010	J	**0.0008**	mg/L	5	04/20/2024 10:02	221595
Barium	NELAP	0.0007	0.0010		**0.0415**	mg/L	5	04/20/2024 10:02	221595
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	04/20/2024 10:02	221595
Boron	NELAP	0.0092	0.0250	S	**1.76**	mg/L	5	04/22/2024 23:24	221595
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	04/20/2024 10:02	221595
Chromium	NELAP	0.0007	0.0015		**< 0.0015**	mg/L	5	04/23/2024 9:55	221595
Cobalt	NELAP	0.0001	0.0010	J	**0.0002**	mg/L	5	04/20/2024 10:02	221595
Lead	NELAP	0.0006	0.0010	B	**< 0.0010**	mg/L	5	04/20/2024 10:02	221595
Lithium	*	0.0015	0.0030		**0.170**	mg/L	5	04/20/2024 10:02	221595
Molybdenum	NELAP	0.0006	0.0015		**0.0076**	mg/L	5	04/20/2024 10:02	221595
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	04/23/2024 9:55	221595
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	04/20/2024 10:02	221595

Laboratory Results

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

Client: Ramboll **Work Order:** 24040437

Client Project: BAL-24Q2 **Report Date:** 17-May-24

Lab ID: 24040437-022 **Client Sample ID:** MW-370

Matrix: GROUNDWATER **Collection Date:** 04/16/2024 13:39

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Matrix spike did not recover within control limits due to matrix interference. Verified by bench spike.									
Contamination present in the MBLK for Pb. Sample results below the reporting limit are reportable per the TNI Standard.									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	04/19/2024 9:56	221655

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24040437

Client Project: BAL-24Q2 **Report Date:** 17-May-24

Lab ID: 24040437-025 **Client Sample ID:** MW-382

Matrix: GROUNDWATER **Collection Date:** 04/17/2024 13:07

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**16.47**	ft	1	04/17/2024 13:07	R346175
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**150**	NTU	1	04/17/2024 13:07	R346175
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-27**	mV	1	04/17/2024 13:07	R346175
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1790**	µS/cm	1	04/17/2024 13:07	R346175
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**17.2**	°C	1	04/17/2024 13:07	R346175
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.13**	mg/L	1	04/17/2024 13:07	R346175
SW-846 9040B FIELD									
pH	*	0	1.00		**7.70**		1	04/17/2024 13:07	R346175
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**461**	mg/L	1	04/18/2024 16:57	R345998
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	04/18/2024 16:57	R345998
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**1120**	mg/L	2.5	04/19/2024 8:57	R346097
SW-846 9036 (TOTAL)									
Sulfate	NELAP	123	200		**419**	mg/L	20	04/19/2024 23:14	R346075
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**3.04**	mg/L	1	04/25/2024 12:09	R346326
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**33**	mg/L	1	04/19/2024 23:08	R346082
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**27.8**	mg/L	1	04/19/2024 18:58	221509
Magnesium	NELAP	0.0250	0.0500		**11.4**	mg/L	1	04/19/2024 18:58	221509
Potassium	NELAP	0.0400	0.100		**4.06**	mg/L	1	04/19/2024 18:58	221509
Sodium	NELAP	0.0180	0.0500		**416**	mg/L	1	04/19/2024 18:58	221509
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	J	**0.0005**	mg/L	5	04/20/2024 18:55	221509
Arsenic	NELAP	0.0004	0.0010		**0.0010**	mg/L	5	04/20/2024 18:55	221509
Barium	NELAP	0.0007	0.0010		**0.0177**	mg/L	5	04/20/2024 18:55	221509
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	04/20/2024 18:55	221509
Boron	NELAP	0.0092	0.0250		**1.71**	mg/L	5	04/20/2024 18:55	221509
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	04/20/2024 18:55	221509
Chromium	NELAP	0.0007	0.0015		**0.0061**	mg/L	5	04/20/2024 18:55	221509
Cobalt	NELAP	0.0001	0.0010	J	**0.0009**	mg/L	5	04/23/2024 1:38	221509
Lead	NELAP	0.0006	0.0010		**0.0018**	mg/L	5	04/25/2024 19:19	221509
Lithium	*	0.0015	0.0030		**0.0597**	mg/L	5	04/20/2024 18:55	221509
Molybdenum	NELAP	0.0006	0.0015		**0.0024**	mg/L	5	04/20/2024 18:55	221509
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	04/20/2024 18:55	221509
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	04/20/2024 18:55	221509

Laboratory Results

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

Client: Ramboll **Work Order:** 24040437

Client Project: BAL-24Q2 **Report Date:** 17-May-24

Lab ID: 24040437-025 **Client Sample ID:** MW-382

Matrix: GROUNDWATER **Collection Date:** 04/17/2024 13:07

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	04/19/2024 10:03	221655

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24040437

Client Project: BAL-24Q2 **Report Date:** 17-May-24

Lab ID: 24040437-030 **Client Sample ID:** MW-392

Matrix: GROUNDWATER **Collection Date:** 04/16/2024 11:52

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**8.83**	ft	1	04/16/2024 11:52	R346175
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**7.8**	NTU	1	04/16/2024 11:52	R346175
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-118**	mV	1	04/16/2024 11:52	R346175
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**2690**	µS/cm	1	04/16/2024 11:52	R346175
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**17.5**	°C	1	04/16/2024 11:52	R346175
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.90**	mg/L	1	04/16/2024 11:52	R346175
SW-846 9040B FIELD									
pH	*	0	1.00		**7.67**		1	04/16/2024 11:52	R346175
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**371**	mg/L	1	04/19/2024 12:35	R345998
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	04/19/2024 12:35	R345998
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**1860**	mg/L	1	04/18/2024 10:24	R346011
SW-846 9036 (TOTAL)									
Sulfate	NELAP	12	20		**42**	mg/L	2	04/18/2024 17:27	R345984
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**4.42**	mg/L	1	04/25/2024 11:24	R346326
SW-846 9251 (TOTAL)									
Chloride	NELAP	25	200		**868**	mg/L	50	04/18/2024 17:33	R345964
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**25.0**	mg/L	1	04/19/2024 20:53	221595
Magnesium	NELAP	0.0055	0.0500		**15.7**	mg/L	1	04/19/2024 20:53	221595
Potassium	NELAP	0.0400	0.100		**4.33**	mg/L	1	04/19/2024 20:53	221595
Sodium	NELAP	0.0180	0.0500		**705**	mg/L	1	04/19/2024 20:53	221595
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	BJ	**0.0009**	mg/L	5	04/23/2024 11:01	221595
Arsenic	NELAP	0.0004	0.0010	J	**0.0004**	mg/L	5	04/20/2024 11:21	221595
Barium	NELAP	0.0007	0.0010		**0.0521**	mg/L	5	04/20/2024 11:21	221595
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	04/20/2024 11:21	221595
Boron	NELAP	0.0092	0.0250		**1.86**	mg/L	5	04/22/2024 23:36	221595
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	04/20/2024 11:21	221595
Chromium	NELAP	0.0007	0.0015		**< 0.0015**	mg/L	5	04/23/2024 11:01	221595
Cobalt	NELAP	0.0001	0.0010		**< 0.0010**	mg/L	5	04/20/2024 11:21	221595
Lead	NELAP	0.0006	0.0010	B	**< 0.0010**	mg/L	5	04/20/2024 11:21	221595
Lithium	*	0.0015	0.0030		**0.0746**	mg/L	5	04/22/2024 23:36	221595
Molybdenum	NELAP	0.0006	0.0015	J	**0.0011**	mg/L	5	04/20/2024 11:21	221595
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	04/23/2024 11:01	221595
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	04/20/2024 11:21	221595

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

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

Laboratory Results

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

Client: Ramboll
Work Order: 24040437
Client Project: BAL-24Q2
Report Date: 17-May-24
Lab ID: 24040437-030
Client Sample ID: MW-392
Matrix: GROUNDWATER
Collection Date: 04/16/2024 11:52

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020	J	**0.00006**	mg/L	1	04/19/2024 12:51	221655

Laboratory Results

Client: Ramboll **Work Order:** 24040437

Client Project: BAL-24Q2 **Report Date:** 17-May-24

Lab ID: 24040437-031 **Client Sample ID:** MW-393

Matrix: GROUNDWATER **Collection Date:** 04/16/2024 11:04

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**8.25**	ft	1	04/16/2024 11:04	R346175
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**7.6**	NTU	1	04/16/2024 11:04	R346175
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-166**	mV	1	04/16/2024 11:04	R346175
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**3230**	µS/cm	1	04/16/2024 11:04	R346175
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**17.1**	°C	1	04/16/2024 11:04	R346175
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.70**	mg/L	1	04/16/2024 11:04	R346175
SW-846 9040B FIELD									
pH	*	0	1.00		**8.16**		1	04/16/2024 11:04	R346175
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**785**	mg/L	1	04/19/2024 12:43	R345998
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**31**	mg/L	1	04/19/2024 12:43	R345998
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**2470**	mg/L	1	04/18/2024 10:42	R346011
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**217**	mg/L	10	04/18/2024 17:35	R345984
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.37	1.00		**9.22**	mg/L	10	04/25/2024 11:58	R346326
SW-846 9251 (TOTAL)									
Chloride	NELAP	25	200		**779**	mg/L	50	04/18/2024 17:41	R345964
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**7.05**	mg/L	1	04/19/2024 20:54	221595
Magnesium	NELAP	0.0055	0.0500		**4.09**	mg/L	1	04/19/2024 20:54	221595
Potassium	NELAP	0.0400	0.100		**3.02**	mg/L	1	04/19/2024 20:54	221595
Sodium	NELAP	0.0180	0.0500	S	**997**	mg/L	1	04/19/2024 20:54	221595
Matrix spike control limits are not applicable due to high sample/spike ratio.									
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	B	**< 0.0010**	mg/L	5	04/23/2024 11:16	221595
Arsenic	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	04/20/2024 11:33	221595
Barium	NELAP	0.0007	0.0010		**0.0416**	mg/L	5	04/20/2024 11:33	221595
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	04/20/2024 11:33	221595
Boron	NELAP	0.0092	0.0250		**1.83**	mg/L	5	04/23/2024 1:10	221595
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	04/20/2024 11:33	221595
Chromium	NELAP	0.0007	0.0015	J	**0.0008**	mg/L	5	04/23/2024 11:16	221595
Cobalt	NELAP	0.0001	0.0010		**< 0.0010**	mg/L	5	04/20/2024 11:33	221595
Lead	NELAP	0.0006	0.0010	B	**< 0.0010**	mg/L	5	04/20/2024 11:33	221595
Lithium	*	0.0015	0.0030		**0.0714**	mg/L	5	04/23/2024 1:10	221595
Molybdenum	NELAP	0.0006	0.0015		**< 0.0015**	mg/L	5	04/20/2024 11:33	221595
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	04/23/2024 11:16	221595
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	04/20/2024 11:33	221595

Laboratory Results

Client: Ramboll **Work Order:** 24040437

Client Project: BAL-24Q2 **Report Date:** 17-May-24

Lab ID: 24040437-031 **Client Sample ID:** MW-393

Matrix: GROUNDWATER **Collection Date:** 04/16/2024 11:04

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Contamination present in the MBLK for Sb. Sample results below the reporting limit are reportable per the TNI Standard.									
Contamination present in the MBLK for Pb. Sample results below the reporting limit are reportable per the TNI Standard.									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	04/19/2024 10:23	221655

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24040437

Client Project: BAL-24Q2 **Report Date:** 17-May-24

Lab ID: 24040437-032 **Client Sample ID:** MW-394

Matrix: GROUNDWATER **Collection Date:** 04/16/2024 10:10

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**6.64**	ft	1	04/16/2024 10:10	R346175
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**2.8**	NTU	1	04/16/2024 10:10	R346175
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-268**	mV	1	04/16/2024 10:10	R346175
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**3240**	µS/cm	1	04/16/2024 10:10	R346175
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**16.9**	°C	1	04/16/2024 10:10	R346175
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.72**	mg/L	1	04/16/2024 10:10	R346175
SW-846 9040B FIELD									
pH	*	0	1.00		**7.90**		1	04/16/2024 10:10	R346175
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**827**	mg/L	1	04/19/2024 12:52	R345998
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	04/19/2024 12:52	R345998
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**2320**	mg/L	1	04/18/2024 10:43	R346011
SW-846 9036 (TOTAL)									
Sulfate	NELAP	31	50		**82**	mg/L	5	04/18/2024 17:59	R345984
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**4.92**	mg/L	1	04/25/2024 11:27	R346326
SW-846 9251 (TOTAL)									
Chloride	NELAP	10	80		**812**	mg/L	20	04/18/2024 18:05	R345964
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**8.29**	mg/L	1	04/19/2024 20:59	221595
Magnesium	NELAP	0.0055	0.0500		**4.17**	mg/L	1	04/19/2024 20:59	221595
Potassium	NELAP	0.0400	0.100		**2.70**	mg/L	1	04/19/2024 20:59	221595
Sodium	NELAP	0.0180	0.0500		**970**	mg/L	1	04/19/2024 20:59	221595
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	BJ	**0.0006**	mg/L	5	04/23/2024 11:06	221595
Arsenic	NELAP	0.0004	0.0010	J	**0.0005**	mg/L	5	04/20/2024 11:27	221595
Barium	NELAP	0.0007	0.0010		**0.0291**	mg/L	5	04/20/2024 11:27	221595
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	04/20/2024 11:27	221595
Boron	NELAP	0.0092	0.0250		**1.80**	mg/L	5	04/23/2024 0:57	221595
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	04/20/2024 11:27	221595
Chromium	NELAP	0.0007	0.0015		**< 0.0015**	mg/L	5	04/23/2024 11:06	221595
Cobalt	NELAP	0.0001	0.0010		**< 0.0010**	mg/L	5	04/20/2024 11:27	221595
Lead	NELAP	0.0006	0.0010	B	**< 0.0010**	mg/L	5	04/20/2024 11:27	221595
Lithium	*	0.0015	0.0030		**0.0656**	mg/L	5	04/23/2024 0:57	221595
Molybdenum	NELAP	0.0006	0.0015		**< 0.0015**	mg/L	5	04/20/2024 11:27	221595
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	04/23/2024 11:06	221595
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	04/20/2024 11:27	221595

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

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

Laboratory Results

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

Client: Ramboll
Work Order: 24040437
Client Project: BAL-24Q2
Report Date: 17-May-24
Lab ID: 24040437-032
Client Sample ID: MW-394
Matrix: GROUNDWATER
Collection Date: 04/16/2024 10:10

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	04/19/2024 10:25	221655

Laboratory Results

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

Client: Ramboll **Work Order:** 24040437

Client Project: BAL-24Q2 **Report Date:** 17-May-24

Lab ID: 24040437-035 **Client Sample ID:** OW-256

Matrix: GROUNDWATER **Collection Date:** 04/17/2024 15:00

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**8.61**	ft	1	04/17/2024 15:00	R346175
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**11**	NTU	1	04/17/2024 15:00	R346175
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**74**	mV	1	04/17/2024 15:00	R346175
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**632**	µS/cm	1	04/17/2024 15:00	R346175
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**22.0**	°C	1	04/17/2024 15:00	R346175
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.04**	mg/L	1	04/17/2024 15:00	R346175
SW-846 9040B FIELD									
pH	*	0	1.00		**6.89**		1	04/17/2024 15:00	R346175
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**304**	mg/L	1	04/18/2024 17:27	R345998
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	04/18/2024 17:27	R345998
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**500**	mg/L	1	04/19/2024 9:40	R346097
SW-846 9036 (TOTAL)									
Sulfate	NELAP	31	50		**73**	mg/L	5	04/19/2024 23:32	R346075
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.26**	mg/L	1	04/25/2024 12:19	R346326
SW-846 9251 (TOTAL)									
Chloride	NELAP	2	20		**57**	mg/L	5	04/19/2024 23:32	R346082
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**83.0**	mg/L	1	04/19/2024 19:03	221509
Magnesium	NELAP	0.0250	0.0500		**33.7**	mg/L	1	04/19/2024 19:03	221509
Potassium	NELAP	0.0400	0.100		**0.908**	mg/L	1	04/19/2024 19:03	221509
Sodium	NELAP	0.0180	0.0500		**48.5**	mg/L	1	04/19/2024 19:03	221509
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	04/20/2024 19:12	221509
Arsenic	NELAP	0.0004	0.0010	J	**0.0007**	mg/L	5	04/20/2024 19:12	221509
Barium	NELAP	0.0007	0.0010		**0.0886**	mg/L	5	04/20/2024 19:12	221509
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	04/20/2024 19:12	221509
Boron	NELAP	0.0092	0.0250		**0.156**	mg/L	5	04/20/2024 19:12	221509
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	04/20/2024 19:12	221509
Chromium	NELAP	0.0007	0.0015	J	**0.0014**	mg/L	5	04/20/2024 19:12	221509
Cobalt	NELAP	0.0001	0.0010	J	**0.0002**	mg/L	5	04/20/2024 19:12	221509
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	04/25/2024 19:35	221509
Lithium	*	0.0015	0.0030		**0.0091**	mg/L	5	04/20/2024 19:12	221509
Molybdenum	NELAP	0.0006	0.0015		**< 0.0015**	mg/L	5	04/20/2024 19:12	221509
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	04/20/2024 19:12	221509
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	04/20/2024 19:12	221509

Laboratory Results

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

Client: Ramboll
Work Order: 24040437
Client Project: BAL-24Q2
Report Date: 17-May-24
Lab ID: 24040437-035
Client Sample ID: OW-256
Matrix: GROUNDWATER
Collection Date: 04/17/2024 15:00

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	04/23/2024 17:02	221711

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24040437

Client Project: BAL-24Q2 **Report Date:** 17-May-24

Lab ID: 24040437-036 **Client Sample ID:** OW-257

Matrix: GROUNDWATER **Collection Date:** 04/17/2024 14:29

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**6.50**	ft	1	04/17/2024 14:29	R346175
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**19**	NTU	1	04/17/2024 14:29	R346175
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**61**	mV	1	04/17/2024 14:29	R346175
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**858**	µS/cm	1	04/17/2024 14:29	R346175
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**22.8**	°C	1	04/17/2024 14:29	R346175
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**2.06**	mg/L	1	04/17/2024 14:29	R346175
SW-846 9040B FIELD									
pH	*	0	1.00		**7.18**		1	04/17/2024 14:29	R346175
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**506**	mg/L	1	04/18/2024 17:34	R345998
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	04/18/2024 17:34	R345998
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**682**	mg/L	1	04/19/2024 9:41	R346097
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**111**	mg/L	10	04/19/2024 23:57	R346075
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.40**	mg/L	1	04/25/2024 12:21	R346326
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**7**	mg/L	1	04/19/2024 23:51	R346082
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**119**	mg/L	1	04/19/2024 19:04	221509
Magnesium	NELAP	0.0250	0.0500		**53.0**	mg/L	1	04/19/2024 19:04	221509
Potassium	NELAP	0.0400	0.100		**3.12**	mg/L	1	04/19/2024 19:04	221509
Sodium	NELAP	0.0180	0.0500		**85.8**	mg/L	1	04/19/2024 19:04	221509
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**0.0010**	mg/L	5	04/20/2024 19:18	221509
Arsenic	NELAP	0.0004	0.0010		**0.0016**	mg/L	5	04/20/2024 19:18	221509
Barium	NELAP	0.0007	0.0010		**0.113**	mg/L	5	04/20/2024 19:18	221509
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	04/20/2024 19:18	221509
Boron	NELAP	0.0092	0.0250		**0.483**	mg/L	5	04/20/2024 19:18	221509
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	04/20/2024 19:18	221509
Chromium	NELAP	0.0007	0.0015	J	**0.0011**	mg/L	5	04/20/2024 19:18	221509
Cobalt	NELAP	0.0001	0.0010	J	**0.0006**	mg/L	5	04/20/2024 19:18	221509
Lead	NELAP	0.0006	0.0010	J	**0.0006**	mg/L	5	04/25/2024 19:40	221509
Lithium	*	0.0015	0.0030		**0.0299**	mg/L	5	04/20/2024 19:18	221509
Molybdenum	NELAP	0.0006	0.0015		**0.0026**	mg/L	5	04/20/2024 19:18	221509
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	04/20/2024 19:18	221509
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	04/20/2024 19:18	221509

Laboratory Results

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

Client: Ramboll
Work Order: 24040437
Client Project: BAL-24Q2
Report Date: 17-May-24
Lab ID: 24040437-036
Client Sample ID: OW-257
Matrix: GROUNDWATER
Collection Date: 04/17/2024 14:29

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	04/23/2024 17:14	221711

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24040437

Client Project: BAL-24Q2 **Report Date:** 17-May-24

Lab ID: 24040437-037 **Client Sample ID:** PZ-170

Matrix: GROUNDWATER **Collection Date:** 04/17/2024 10:45

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**14.25**	ft	1	04/17/2024 10:45	R346175
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**4.0**	NTU	1	04/17/2024 10:45	R346175
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-174**	mV	1	04/17/2024 10:45	R346175
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1870**	µS/cm	1	04/17/2024 10:45	R346175
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**16.4**	°C	1	04/17/2024 10:45	R346175
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.70**	mg/L	1	04/17/2024 10:45	R346175
SW-846 9040B FIELD									
pH	*	0	1.00		**6.62**		1	04/17/2024 10:45	R346175
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**640**	mg/L	1	04/18/2024 17:40	R345998
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	04/18/2024 17:40	R345998
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**1140**	mg/L	1	04/19/2024 9:41	R346097
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**236**	mg/L	10	04/19/2024 23:59	R346075
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.21**	mg/L	1	04/25/2024 12:14	R346326
SW-846 9251 (TOTAL)									
Chloride	NELAP	5	40		**75**	mg/L	10	04/19/2024 23:59	R346082
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**218**	mg/L	1	04/19/2024 19:05	221509
Magnesium	NELAP	0.0250	0.0500		**90.5**	mg/L	1	04/19/2024 19:05	221509
Potassium	NELAP	0.0400	0.100		**1.59**	mg/L	1	04/19/2024 19:05	221509
Sodium	NELAP	0.0180	0.0500		**97.6**	mg/L	1	04/19/2024 19:05	221509
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	04/20/2024 19:24	221509
Arsenic	NELAP	0.0004	0.0010		**0.0019**	mg/L	5	04/20/2024 19:24	221509
Barium	NELAP	0.0007	0.0010		**0.0866**	mg/L	5	04/20/2024 19:24	221509
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	04/20/2024 19:24	221509
Boron	NELAP	0.0092	0.0250		**0.296**	mg/L	5	04/20/2024 19:24	221509
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	04/20/2024 19:24	221509
Chromium	NELAP	0.0007	0.0015	J	**0.0009**	mg/L	5	04/20/2024 19:24	221509
Cobalt	NELAP	0.0001	0.0010		**0.0026**	mg/L	5	04/20/2024 19:24	221509
Lead	NELAP	0.0006	0.0010		**0.0020**	mg/L	5	04/25/2024 19:45	221509
Lithium	*	0.0015	0.0030		**0.0349**	mg/L	5	04/20/2024 19:24	221509
Molybdenum	NELAP	0.0006	0.0015		**< 0.0015**	mg/L	5	04/20/2024 19:24	221509
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	04/20/2024 19:24	221509
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	04/20/2024 19:24	221509

Laboratory Results

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

Client: Ramboll **Work Order:** 24040437

Client Project: BAL-24Q2 **Report Date:** 17-May-24

Lab ID: 24040437-037 **Client Sample ID:** PZ-170

Matrix: GROUNDWATER **Collection Date:** 04/17/2024 10:45

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	04/23/2024 17:16	221711

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24040437

Client Project: BAL-24Q2 **Report Date:** 17-May-24

Lab ID: 24040437-038 **Client Sample ID:** PZ-182

Matrix: GROUNDWATER **Collection Date:** 04/17/2024 11:58

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**17.16**	ft	1	04/17/2024 11:58	R346175
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**13**	NTU	1	04/17/2024 11:58	R346175
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-141**	mV	1	04/17/2024 11:58	R346175
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1170**	µS/cm	1	04/17/2024 11:58	R346175
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**18.1**	°C	1	04/17/2024 11:58	R346175
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.06**	mg/L	1	04/17/2024 11:58	R346175
SW-846 9040B FIELD									
pH	*	0	1.00		**6.66**		1	04/17/2024 11:58	R346175
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**451**	mg/L	1	04/18/2024 17:48	R345998
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	04/18/2024 17:48	R345998
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**734**	mg/L	1	04/18/2024 11:06	R346011
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**150**	mg/L	10	04/20/2024 0:07	R346075
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.18**	mg/L	1	04/25/2024 12:17	R346326
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**37**	mg/L	1	04/20/2024 0:01	R346082
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**154**	mg/L	1	04/19/2024 19:05	221509
Magnesium	NELAP	0.0250	0.0500		**58.4**	mg/L	1	04/19/2024 19:05	221509
Potassium	NELAP	0.0400	0.100		**0.625**	mg/L	1	04/19/2024 19:05	221509
Sodium	NELAP	0.0180	0.0500		**42.0**	mg/L	1	04/19/2024 19:05	221509
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	J	**0.0005**	mg/L	5	04/20/2024 19:53	221509
Arsenic	NELAP	0.0004	0.0010	J	**0.0005**	mg/L	5	04/20/2024 19:53	221509
Barium	NELAP	0.0007	0.0010		**0.0672**	mg/L	5	04/20/2024 19:53	221509
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	04/20/2024 19:53	221509
Boron	NELAP	0.0092	0.0250		**0.499**	mg/L	5	04/20/2024 19:53	221509
Cadmium	NELAP	0.0002	0.0010	J	**0.0004**	mg/L	5	04/20/2024 19:53	221509
Chromium	NELAP	0.0007	0.0015	J	**0.0014**	mg/L	5	04/20/2024 19:53	221509
Cobalt	NELAP	0.0001	0.0010	J	**0.0004**	mg/L	5	04/20/2024 19:53	221509
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	04/25/2024 19:51	221509
Lithium	*	0.0015	0.0030		**0.0149**	mg/L	5	04/20/2024 19:53	221509
Molybdenum	NELAP	0.0006	0.0015		**< 0.0015**	mg/L	5	04/20/2024 19:53	221509
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	04/20/2024 19:53	221509
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	04/20/2024 19:53	221509

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

Laboratory Results

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

Client: Ramboll **Work Order:** 24040437

Client Project: BAL-24Q2 **Report Date:** 17-May-24

Lab ID: 24040437-038 **Client Sample ID:** PZ-182

Matrix: GROUNDWATER **Collection Date:** 04/17/2024 11:58

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020	J	**0.00018**	mg/L	1	04/23/2024 17:19	221711

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24040437

Client Project: BAL-24Q2 **Report Date:** 17-May-24

Lab ID: 24040437-039 **Client Sample ID:** TPZ-164

Matrix: GROUNDWATER **Collection Date:** 04/18/2024 12:29

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**3.68**	ft	1	04/18/2024 12:29	R346175
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**2.2**	NTU	1	04/18/2024 12:29	R346175
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-123**	mV	1	04/18/2024 12:29	R346175
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**861**	µS/cm	1	04/18/2024 12:29	R346175
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**15.8**	°C	1	04/18/2024 12:29	R346175
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.66**	mg/L	1	04/18/2024 12:29	R346175
SW-846 9040B FIELD									
pH	*	0	1.00		**7.25**		1	04/18/2024 12:29	R346175
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**275**	mg/L	1	04/19/2024 16:58	R346073
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	04/19/2024 16:58	R346073
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**565**	mg/L	2.5	04/23/2024 10:33	R346231
SW-846 9036 (TOTAL)									
Sulfate	NELAP	31	50		**118**	mg/L	5	04/20/2024 0:10	R346075
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.29**	mg/L	1	04/25/2024 13:05	R346326
SW-846 9251 (TOTAL)									
Chloride	NELAP	2	20		**49**	mg/L	5	04/20/2024 0:09	R346082
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**76.7**	mg/L	1	04/22/2024 17:28	221725
Magnesium	NELAP	0.0055	0.0500		**29.5**	mg/L	1	04/22/2024 17:28	221725
Potassium	NELAP	0.0400	0.100		**8.10**	mg/L	1	04/22/2024 17:28	221725
Sodium	NELAP	0.0180	0.0500		**70.7**	mg/L	1	04/22/2024 17:28	221725
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	B	**< 0.0010**	mg/L	5	04/23/2024 12:16	221725
Arsenic	NELAP	0.0004	0.0010	J	**0.0009**	mg/L	5	04/23/2024 2:31	221725
Barium	NELAP	0.0007	0.0010		**0.0689**	mg/L	5	04/23/2024 2:31	221725
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	04/23/2024 2:31	221725
Boron	NELAP	0.0092	0.0250		**1.05**	mg/L	5	04/23/2024 2:31	221725
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	04/23/2024 2:31	221725
Chromium	NELAP	0.0007	0.0015		**< 0.0015**	mg/L	5	04/23/2024 12:16	221725
Cobalt	NELAP	0.0001	0.0010		**< 0.0010**	mg/L	5	04/23/2024 2:31	221725
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	04/23/2024 2:31	221725
Lithium	*	0.0015	0.0030		**0.0115**	mg/L	5	04/23/2024 2:31	221725
Molybdenum	NELAP	0.0006	0.0015		**0.0142**	mg/L	5	04/23/2024 2:31	221725
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	04/23/2024 12:16	221725
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	04/23/2024 2:31	221725

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

Laboratory Results

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

Client: Ramboll **Work Order:** 24040437

Client Project: BAL-24Q2 **Report Date:** 17-May-24

Lab ID: 24040437-039 **Client Sample ID:** TPZ-164

Matrix: GROUNDWATER **Collection Date:** 04/18/2024 12:29

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020	J	**0.00015**	mg/L	1	04/23/2024 17:21	221711

Laboratory Results

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

Client: Ramboll **Work Order:** 24040437

Client Project: BAL-24Q2 **Report Date:** 17-May-24

Lab ID: 24040437-040 **Client Sample ID:** XPW01

Matrix: GROUNDWATER **Collection Date:** 04/18/2024 8:41

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**9.70**	ft	1	04/18/2024 8:41	R346175
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**6.6**	NTU	1	04/18/2024 8:41	R346175
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-110**	mV	1	04/18/2024 8:41	R346175
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**734**	µS/cm	1	04/18/2024 8:41	R346175
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**14.9**	°C	1	04/18/2024 8:41	R346175
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.82**	mg/L	1	04/18/2024 8:41	R346175
SW-846 9040B FIELD									
pH	*	0	1.00		**6.88**		1	04/18/2024 8:41	R346175
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**204**	mg/L	1	04/19/2024 17:05	R346073
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	04/19/2024 17:05	R346073
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**430**	mg/L	1	04/23/2024 10:59	R346231
SW-846 9036 (TOTAL)									
Sulfate	NELAP	31	50		**112**	mg/L	5	04/23/2024 12:58	R346241
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.55**	mg/L	1	04/25/2024 13:06	R346326
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**46**	mg/L	1	04/20/2024 0:15	R346082
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**70.2**	mg/L	1	04/22/2024 17:29	221725
Magnesium	NELAP	0.0055	0.0500		**24.3**	mg/L	1	04/22/2024 17:29	221725
Potassium	NELAP	0.0400	0.100		**8.44**	mg/L	1	04/22/2024 17:29	221725
Sodium	NELAP	0.0180	0.0500		**46.7**	mg/L	1	04/22/2024 17:29	221725
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	B	**< 0.0010**	mg/L	5	04/23/2024 12:22	221725
Arsenic	NELAP	0.0004	0.0010	J	**0.0010**	mg/L	5	04/23/2024 2:37	221725
Barium	NELAP	0.0007	0.0010		**0.0952**	mg/L	5	04/23/2024 2:37	221725
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	04/23/2024 2:37	221725
Boron	NELAP	0.0092	0.0250		**0.563**	mg/L	5	04/23/2024 2:37	221725
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	04/23/2024 2:37	221725
Chromium	NELAP	0.0007	0.0015		**0.0017**	mg/L	5	04/23/2024 12:22	221725
Cobalt	NELAP	0.0001	0.0010	J	**0.0002**	mg/L	5	04/23/2024 2:37	221725
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	04/23/2024 2:37	221725
Lithium	*	0.0015	0.0030		**0.0100**	mg/L	5	04/23/2024 2:37	221725
Molybdenum	NELAP	0.0006	0.0015		**0.0282**	mg/L	5	04/23/2024 2:37	221725
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	04/23/2024 12:22	221725
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	04/23/2024 2:37	221725

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

Laboratory Results

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

Client: Ramboll
Work Order: 24040437
Client Project: BAL-24Q2
Report Date: 17-May-24
Lab ID: 24040437-040
Client Sample ID: XPW01
Matrix: GROUNDWATER
Collection Date: 04/18/2024 8:41

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020	J	**0.00015**	mg/L	1	04/23/2024 17:23	221711

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24040437

Client Project: BAL-24Q2 **Report Date:** 17-May-24

Lab ID: 24040437-041 **Client Sample ID:** XPW05

Matrix: GROUNDWATER **Collection Date:** 04/18/2024 9:20

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**4.56**	ft	1	04/18/2024 9:20	R346175
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**13**	NTU	1	04/18/2024 9:20	R346175
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-101**	mV	1	04/18/2024 9:20	R346175
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**859**	µS/cm	1	04/18/2024 9:20	R346175
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**17.6**	°C	1	04/18/2024 9:20	R346175
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.40**	mg/L	1	04/18/2024 9:20	R346175
SW-846 9040B FIELD									
pH	*	0	1.00		**7.03**		1	04/18/2024 9:20	R346175
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**267**	mg/L	1	04/19/2024 17:11	R346073
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	04/19/2024 17:11	R346073
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**492**	mg/L	1	04/23/2024 11:00	R346231
SW-846 9036 (TOTAL)									
Sulfate	NELAP	31	50		**114**	mg/L	5	04/20/2024 0:52	R346075
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.49**	mg/L	1	04/25/2024 13:35	R346326
SW-846 9251 (TOTAL)									
Chloride	NELAP	2	20		**51**	mg/L	5	04/20/2024 0:52	R346082
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**60.4**	mg/L	1	04/22/2024 17:31	221725
Magnesium	NELAP	0.0055	0.0500		**24.7**	mg/L	1	04/22/2024 17:31	221725
Potassium	NELAP	0.0400	0.100		**8.95**	mg/L	1	04/22/2024 17:31	221725
Sodium	NELAP	0.0180	0.0500		**85.5**	mg/L	1	04/22/2024 17:31	221725
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	BJ	**0.0007**	mg/L	5	04/23/2024 12:27	221725
Arsenic	NELAP	0.0004	0.0010		**0.0091**	mg/L	5	04/23/2024 3:46	221725
Barium	NELAP	0.0007	0.0010		**0.294**	mg/L	5	04/23/2024 3:46	221725
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	04/23/2024 3:46	221725
Boron	NELAP	0.0092	0.0250		**0.870**	mg/L	5	04/23/2024 3:46	221725
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	04/23/2024 3:46	221725
Chromium	NELAP	0.0007	0.0015		**0.0029**	mg/L	5	04/23/2024 12:27	221725
Cobalt	NELAP	0.0001	0.0010	J	**0.0008**	mg/L	5	04/23/2024 3:46	221725
Lead	NELAP	0.0006	0.0010		**0.0012**	mg/L	5	04/23/2024 3:46	221725
Lithium	*	0.0015	0.0030		**0.0061**	mg/L	5	04/23/2024 3:46	221725
Molybdenum	NELAP	0.0006	0.0015		**0.0119**	mg/L	5	04/23/2024 3:46	221725
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	04/23/2024 12:27	221725
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	04/23/2024 3:46	221725

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

Laboratory Results

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

Client: Ramboll **Work Order:** 24040437

Client Project: BAL-24Q2 **Report Date:** 17-May-24

Lab ID: 24040437-041 **Client Sample ID:** XPW05

Matrix: GROUNDWATER **Collection Date:** 04/18/2024 9:20

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	04/23/2024 17:26	221711

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24040437

Client Project: BAL-24Q2 **Report Date:** 17-May-24

Lab ID: 24040437-042 **Client Sample ID:** XPW06

Matrix: GROUNDWATER **Collection Date:** 04/18/2024 9:47

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**2.24**	ft	1	04/18/2024 9:47	R346175
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**1.8**	NTU	1	04/18/2024 9:47	R346175
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-99**	mV	1	04/18/2024 9:47	R346175
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**673**	µS/cm	1	04/18/2024 9:47	R346175
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**14.2**	°C	1	04/18/2024 9:47	R346175
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.76**	mg/L	1	04/18/2024 9:47	R346175
SW-846 9040B FIELD									
pH	*	0	1.00		**7.16**		1	04/18/2024 9:47	R346175
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**256**	mg/L	1	04/19/2024 17:18	R346073
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	04/19/2024 17:18	R346073
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**386**	mg/L	1	04/23/2024 11:00	R346231
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**103**	mg/L	10	04/20/2024 1:00	R346075
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.39**	mg/L	1	04/25/2024 13:28	R346326
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4	J	**2**	mg/L	1	04/20/2024 0:55	R346082
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**69.3**	mg/L	1	04/22/2024 17:33	221725
Magnesium	NELAP	0.0055	0.0500		**20.1**	mg/L	1	04/22/2024 17:33	221725
Potassium	NELAP	0.200	0.500		**18.2**	mg/L	5	04/23/2024 11:30	221725
Sodium	NELAP	0.0180	0.0500		**37.4**	mg/L	1	04/22/2024 17:33	221725
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**0.0011**	mg/L	5	04/24/2024 13:57	221725
Arsenic	NELAP	0.0004	0.0010		**0.0045**	mg/L	5	04/23/2024 3:52	221725
Barium	NELAP	0.0007	0.0010		**0.129**	mg/L	5	04/23/2024 3:52	221725
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	04/23/2024 3:52	221725
Boron	NELAP	0.0092	0.0250		**2.64**	mg/L	5	04/23/2024 3:52	221725
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	04/23/2024 3:52	221725
Chromium	NELAP	0.0007	0.0015	J	**0.0008**	mg/L	5	04/23/2024 13:12	221725
Cobalt	NELAP	0.0001	0.0010	J	**0.0005**	mg/L	5	04/23/2024 3:52	221725
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	04/23/2024 3:52	221725
Lithium	*	0.0015	0.0030		**0.0058**	mg/L	5	04/23/2024 3:52	221725
Molybdenum	NELAP	0.0006	0.0015		**0.0516**	mg/L	5	04/23/2024 3:52	221725
Selenium	NELAP	0.0006	0.0010	J	**0.0008**	mg/L	5	04/23/2024 13:12	221725
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	04/23/2024 3:52	221725

Laboratory Results

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

Client: Ramboll **Work Order:** 24040437

Client Project: BAL-24Q2 **Report Date:** 17-May-24

Lab ID: 24040437-042 **Client Sample ID:** XPW06

Matrix: GROUNDWATER **Collection Date:** 04/18/2024 9:47

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	04/23/2024 17:28	221711

Laboratory Results

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

Client: Ramboll **Work Order:** 24040437

Client Project: BAL-24Q2 **Report Date:** 17-May-24

Lab ID: 24040437-043 **Client Sample ID:** Field Blank

Matrix: AQUEOUS **Collection Date:** 04/18/2024 11:45

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**1**	mg/L	1	04/19/2024 17:25	R346073
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	04/19/2024 17:25	R346073
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**< 20**	mg/L	1	04/23/2024 11:22	R346231
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10		**< 10**	mg/L	1	04/20/2024 1:05	R346075
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**< 0.10**	mg/L	1	04/25/2024 15:06	R346326
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**< 4**	mg/L	1	04/20/2024 1:05	R346082
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**< 0.100**	mg/L	1	04/22/2024 17:34	221725
Magnesium	NELAP	0.0055	0.050	J	**0.018**	mg/L	1	04/22/2024 17:34	221725
Potassium	NELAP	0.0400	0.100		**< 0.100**	mg/L	1	04/22/2024 17:34	221725
Sodium	NELAP	0.0180	0.0500		**< 0.0500**	mg/L	1	04/22/2024 17:34	221725
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	BJ	**0.0009**	mg/L	5	04/23/2024 13:17	221725
Arsenic	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	04/23/2024 3:58	221725
Barium	NELAP	0.0007	0.0010		**< 0.0010**	mg/L	5	04/23/2024 3:58	221725
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	04/23/2024 3:58	221725
Boron	NELAP	0.0092	0.0250		**0.0294**	mg/L	5	04/23/2024 3:58	221725
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	04/23/2024 3:58	221725
Chromium	NELAP	0.0007	0.0015		**< 0.0015**	mg/L	5	04/23/2024 13:17	221725
Cobalt	NELAP	0.0001	0.0010		**< 0.0010**	mg/L	5	04/23/2024 3:58	221725
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	04/23/2024 3:58	221725
Lithium	*	0.0015	0.0030		**< 0.0030**	mg/L	5	04/23/2024 3:58	221725
Molybdenum	NELAP	0.0006	0.0015	J	**0.0007**	mg/L	5	04/23/2024 3:58	221725
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	04/23/2024 13:17	221725
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	04/23/2024 3:58	221725
Contamination present in the MBLK for Sb. Sample results below the reporting limit are reportable per the TNI Standard.									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	04/23/2024 17:30	221711

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24040437

Client Project: BAL-24Q2 **Report Date:** 17-May-24

Lab ID: 24040437-044 **Client Sample ID:** MW-304 Duplicate

Matrix: GROUNDWATER **Collection Date:** 04/16/2024 11:30

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**9.21**	ft	1	04/16/2024 11:30	R346175
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**7.1**	NTU	1	04/16/2024 11:30	R346175
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**44**	mV	1	04/16/2024 11:30	R346175
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**2460**	µS/cm	1	04/16/2024 11:30	R346175
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**17.3**	°C	1	04/16/2024 11:30	R346175
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.21**	mg/L	1	04/16/2024 11:30	R346175
SW-846 9040B FIELD									
pH	*	0	1.00		**7.81**		1	04/16/2024 11:30	R346175
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**789**	mg/L	1	04/19/2024 13:01	R345998
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**20**	mg/L	1	04/19/2024 13:01	R345998
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**1450**	mg/L	1	04/18/2024 10:43	R346011
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**184**	mg/L	10	04/18/2024 18:06	R345984
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**1.80**	mg/L	1	04/25/2024 11:31	R346326
SW-846 9251 (TOTAL)									
Chloride	NELAP	5	40		**165**	mg/L	10	04/18/2024 18:07	R345964
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**10.1**	mg/L	1	04/19/2024 21:01	221595
Magnesium	NELAP	0.0055	0.0500		**4.16**	mg/L	1	04/19/2024 21:01	221595
Potassium	NELAP	0.0400	0.100		**2.11**	mg/L	1	04/19/2024 21:01	221595
Sodium	NELAP	0.0180	0.0500		**564**	mg/L	1	04/19/2024 21:01	221595
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	B	**< 0.0010**	mg/L	5	04/23/2024 11:11	221595
Arsenic	NELAP	0.0004	0.0010		**0.0031**	mg/L	5	04/20/2024 12:33	221595
Barium	NELAP	0.0007	0.0010		**0.0189**	mg/L	5	04/20/2024 12:33	221595
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	04/20/2024 12:33	221595
Boron	NELAP	0.0092	0.0250		**1.76**	mg/L	5	04/23/2024 1:04	221595
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	04/20/2024 12:33	221595
Chromium	NELAP	0.0007	0.0015		**< 0.0015**	mg/L	5	04/23/2024 11:11	221595
Cobalt	NELAP	0.0001	0.0010		**< 0.0010**	mg/L	5	04/20/2024 12:33	221595
Lead	NELAP	0.0006	0.0010	B	**< 0.0010**	mg/L	5	04/20/2024 12:33	221595
Lithium	*	0.0015	0.0030		**0.0813**	mg/L	5	04/23/2024 1:04	221595
Molybdenum	NELAP	0.0006	0.0015	J	**0.0013**	mg/L	5	04/20/2024 12:33	221595
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	04/23/2024 11:11	221595
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	04/20/2024 12:33	221595

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

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

Laboratory Results

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

Client: Ramboll
Work Order: 24040437
Client Project: BAL-24Q2
Report Date: 17-May-24
Lab ID: 24040437-044
Client Sample ID: MW-304 Duplicate
Matrix: GROUNDWATER
Collection Date: 04/16/2024 11:30

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	04/19/2024 13:02	221681

Laboratory Results

Client: Ramboll **Work Order:** 24040437

Client Project: BAL-24Q2 **Report Date:** 17-May-24

Lab ID: 24040437-045 **Client Sample ID:** Equipment Blank 1

Matrix: AQUEOUS **Collection Date:** 04/18/2024 15:20

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**1**	mg/L	1	04/19/2024 17:27	R346073
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	04/19/2024 17:27	R346073
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**< 20**	mg/L	1	04/23/2024 11:22	R346231
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10		**< 10**	mg/L	1	04/20/2024 1:08	R346075
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**< 0.10**	mg/L	1	04/25/2024 13:30	R346326
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**< 4**	mg/L	1	04/20/2024 1:08	R346082
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**< 0.100**	mg/L	1	04/22/2024 17:36	221725
Magnesium	NELAP	0.0055	0.0500		**< 0.0500**	mg/L	1	04/22/2024 17:36	221725
Potassium	NELAP	0.0400	0.100		**< 0.100**	mg/L	1	04/22/2024 17:36	221725
Sodium	NELAP	0.0180	0.0500		**< 0.0500**	mg/L	1	04/22/2024 17:36	221725
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	BJ	**0.0005**	mg/L	5	04/23/2024 13:22	221725
Arsenic	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	04/23/2024 4:04	221725
Barium	NELAP	0.0007	0.0010		**< 0.0010**	mg/L	5	04/23/2024 4:04	221725
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	04/23/2024 4:04	221725
Boron	NELAP	0.0092	0.025	J	**0.010**	mg/L	5	04/23/2024 4:04	221725
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	04/23/2024 4:04	221725
Chromium	NELAP	0.0007	0.0015	J	**0.0007**	mg/L	5	04/23/2024 13:22	221725
Cobalt	NELAP	0.0001	0.0010		**< 0.0010**	mg/L	5	04/23/2024 4:04	221725
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	04/23/2024 4:04	221725
Lithium	*	0.0015	0.0030		**< 0.0030**	mg/L	5	04/23/2024 4:04	221725
Molybdenum	NELAP	0.0006	0.0015		**< 0.0015**	mg/L	5	04/23/2024 4:04	221725
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	04/23/2024 13:22	221725
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	04/23/2024 4:04	221725
Contamination present in the MBLK for Sb. Sample results below the reporting limit are reportable per the TNI Standard.									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	04/23/2024 17:32	221711

Teklab, Inc.
Environmental Laboratory

Sample Summary

Client: Ramboll
Client Project: BAL-24Q2

Work Order: 24040437
Report Date: 17-May-24

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
24040437-009	MW-192	Groundwater	2	04/16/2024 11:39
24040437-010	MW-193	Groundwater	2	04/16/2024 10:44
24040437-013	MW-304	Groundwater	4	04/16/2024 11:30
24040437-014	MW-306	Groundwater	4	
24040437-018	MW-356	Groundwater	2	04/16/2024 12:23
24040437-019	MW-358	Groundwater	2	04/17/2024 10:17
24040437-021	MW-369	Groundwater	2	04/16/2024 13:18
24040437-022	MW-370	Groundwater	2	04/16/2024 13:39
24040437-025	MW-382	Groundwater	2	04/17/2024 13:07
24040437-030	MW-392	Groundwater	2	04/16/2024 11:52
24040437-031	MW-393	Groundwater	2	04/16/2024 11:04
24040437-032	MW-394	Groundwater	2	04/16/2024 10:10
24040437-035	OW-256	Groundwater	2	04/17/2024 15:00
24040437-036	OW-257	Groundwater	2	04/17/2024 14:29
24040437-037	PZ-170	Groundwater	2	04/17/2024 10:45
24040437-038	PZ-182	Groundwater	2	04/17/2024 11:58
24040437-039	TPZ-164	Groundwater	2	04/18/2024 12:29
24040437-040	XPW01	Groundwater	2	04/18/2024 8:41
24040437-041	XPW05	Groundwater	2	04/18/2024 9:20
24040437-042	XPW06	Groundwater	2	04/18/2024 9:47
24040437-043	Field Blank	Aqueous	4	04/18/2024 11:45
24040437-044	MW-304 Duplicate	Groundwater	4	04/16/2024 11:30
24040437-045	Equipment Blank 1	Aqueous	4	04/18/2024 15:20

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24040437

Client Project: BAL-24Q2 **Report Date:** 17-May-24

STANDARD METHODS 2510 B FIELD

Batch R346175 **SampType:** LCS Units **µS/cm**
SampID: LCS-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	100.1	90	110	04/16/2024

Batch R346175 **SampType:** LCS Units **µS/cm**
SampID: LCS-2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	100.1	90	110	04/17/2024

Batch R346175 **SampType:** LCS Units **µS/cm**
SampID: LCS-3

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	100.1	90	110	04/18/2024

Batch R346175 **SampType:** LCS Units **µS/cm**
SampID: LCS-4

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	100.0	90	110	04/16/2024

Batch R346175 **SampType:** LCS Units **µS/cm**
SampID: LCS-5

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	99.8	90	110	04/17/2024

Batch R346175 **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		**1370**	1412	0	96.8	90	110	04/18/2024

SW-846 9040B FIELD

Batch R346175 **SampType:** LCS Units
SampID: LCS-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.00**	7.000	0	100.0	98.57	101.4	04/16/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24040437

Client Project: BAL-24Q2 **Report Date:** 17-May-24

SW-846 9040B FIELD

Batch R346175 **SampType:** LCS Units

SampID: LCS-2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.01**	7.000	0	100.1	98.57	101.4	04/17/2024

Batch R346175 **SampType:** LCS Units

SampID: LCS-3

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.01**	7.000	0	100.1	98.57	101.4	04/18/2024

Batch R346175 **SampType:** LCS Units

SampID: LCS-4

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.07**	7.000	0	101.0	98.57	101.4	04/16/2024

Batch R346175 **SampType:** LCS Units

SampID: LCS-5

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.06**	7.000	0	100.9	98.57	101.4	04/17/2024

Batch R346175 **SampType:** LCS Units

SampID: LCS-6

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.04**	7.000	0	100.6	98.57	101.4	04/18/2024

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R345963 **SampType:** MBLK Units **mg/L**

SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	04/17/2024

Batch R345963 **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		**950**	1000	0	95.0	90	110	04/17/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24040437

Client Project: BAL-24Q2 **Report Date:** 17-May-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R345963 **SampType:** DUP Units **mg/L** RPD Limit: **10**

SampID: 24041299-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		50		**360**				345.0	4.26	04/17/2024

Batch R346011 **SampType:** MBLK Units **mg/L**

SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	04/18/2024

Batch R346011 **SampType:** LCS Units **mg/L**

SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**940**	1000	0	94.0	90	110	04/18/2024

Batch R346011 **SampType:** DUP Units **mg/L** RPD Limit: **10**

SampID: 24041394-003ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**360**				362.0	0.55	04/18/2024

Batch R346011 **SampType:** DUP Units **mg/L** RPD Limit: **10**

SampID: 24041396-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**424**				420.0	0.95	04/18/2024

Batch R346011 **SampType:** DUP Units **mg/L** RPD Limit: **10**

SampID: 24041526-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**384**				372.0	3.17	04/18/2024

Batch R346097 **SampType:** MBLK Units **mg/L**

SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	04/19/2024
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	04/19/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24040437

Client Project: BAL-24Q2 **Report Date:** 17-May-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R346097 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**934**	1000	0	93.4	90	110	04/19/2024
Total Dissolved Solids		20		**948**	1000	0	94.8	90	110	04/19/2024

Batch R346097 **SampType:** DUP Units **mg/L** RPD Limit: **10**
SampID: 24040437-026ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**902**				874.0	3.15	04/19/2024

Batch R346097 **SampType:** DUP Units **mg/L** RPD Limit: **10**
SampID: 24041555-007ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		50		**490**				525.0	6.90	04/19/2024

Batch R346231 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	04/23/2024
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	04/23/2024

Batch R346231 **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	04/23/2024
Total Dissolved Solids		20		**902**	1000	0	90.2	90	110	04/23/2024

Batch R346231 **SampType:** DUP Units **mg/L** RPD Limit: **10**
SampID: 24040437-042ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**394**				386.0	2.05	04/23/2024

Batch R346231 **SampType:** DUP Units **mg/L** RPD Limit: **10**
SampID: 24041834-002ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**1990**				1994	0.00	04/23/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24040437

Client Project: BAL-24Q2 **Report Date:** 17-May-24

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

Batch R345858 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**< 0.05**	0.0250	0	0	-100	100	04/16/2024
Nitrogen, Nitrite (as N)		0.05		**< 0.05**	0.0250	0	0	-100	100	04/16/2024

Batch R345858 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.30**	0.3045	0	100.2	90	110	04/16/2024
Nitrogen, Nitrite (as N)		0.05		**0.30**	0.3045	0	100.2	90	110	04/16/2024

Batch R345858 **SampType:** MS Units **mg/L**
SampID: 24041343-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.49**	0.5000	0	98.0	85	115	04/16/2024

Batch R345858 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24041343-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.49**	0.5000	0	98.2	0.4900	0.20	04/16/2024

Batch R345858 **SampType:** MS Units **mg/L**
SampID: 24041394-003AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.45**	0.5000	0	90.6	85	115	04/16/2024

Batch R345858 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24041394-003AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.45**	0.5000	0	90.6	0.4530	0.00	04/16/2024

Batch R345858 **SampType:** MS Units **mg/L**
SampID: 24041396-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.44**	0.5000	0	87.8	85	115	04/16/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24040437

Client Project: BAL-24Q2 **Report Date:** 17-May-24

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

Batch R345858 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24041396-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.46**	0.5000	0	91.4	0.4390	4.02	04/16/2024

Batch R345979 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**< 0.05**	0.0250	0	0	-100	100	04/18/2024
Nitrogen, Nitrite (as N)		0.05		**< 0.05**	0.0250	0	0	-100	100	04/18/2024

Batch R345979 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.33**	0.3045	0	107.4	90	110	04/18/2024
Nitrogen, Nitrite (as N)		0.05		**0.32**	0.3045	0	106.7	90	110	04/18/2024

Batch R345979 **SampType:** MS Units **mg/L**
SampID: 24040437-003AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.46**	0.5000	0	92.4	85	115	04/18/2024

Batch R345979 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24040437-003AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.46**	0.5000	0	92.4	0.4620	0.00	04/18/2024

Batch R345979 **SampType:** MS Units **mg/L**
SampID: 24041604-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.50**	0.5000	0	101.0	85	115	04/18/2024

Batch R345979 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24041604-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.51**	0.5000	0	101.8	0.5050	0.79	04/18/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24040437

Client Project: BAL-24Q2 **Report Date:** 17-May-24

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

Batch R345979 **SampType:** MS Units **mg/L**
SampID: 24041675-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.45**	0.5000	0	89.4	85	115	04/18/2024

Batch R345979 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24041675-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.44**	0.5000	0	88.4	0.4470	1.12	04/18/2024

Batch R346038 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**< 0.05**	0.0250	0	0	-100	100	04/19/2024

Batch R346038 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.30**	0.3045	0	99.5	90	110	04/19/2024

Batch R346038 **SampType:** MS Units **mg/L**
SampID: 24040437-004AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.47**	0.5000	0	94.2	85	115	04/19/2024

Batch R346038 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24040437-004AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.48**	0.5000	0	95.6	0.4710	1.48	04/19/2024

Batch R346038 **SampType:** MS Units **mg/L**
SampID: 24040437-006AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.48**	0.5000	0	95.6	85	115	04/19/2024

Batch R346038 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24040437-006AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.48**	0.5000	0	95.6	0.4780	0.00	04/19/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24040437

Client Project: BAL-24Q2 **Report Date:** 17-May-24

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

Batch R346038 **SampType:** MS Units **mg/L**
SampID: 24040437-011AMS

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	0.007000	97.6	85	115	04/19/2024

Batch R346038 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24040437-011AMSD

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	0.007000	97.2	0.4950	0.40	04/19/2024

Batch R346038 **SampType:** MS Units **mg/L**
SampID: 24041754-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05	H	**0.49**	0.5000	0.009000	96.8	85	115	04/19/2024

Batch R346038 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24041754-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05	H	**0.50**	0.5000	0.009000	99.0	0.4930	2.21	04/19/2024

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

Batch R345914 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate (as N)		0.050		**< 0.050**						04/17/2024
Nitrogen, Nitrate-Nitrite (as N)		0.050		**< 0.050**	0.0090	0	0	-100	100	04/17/2024

Batch R345914 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.507**	0.5000	0	101.4	90	110	04/17/2024

Batch R345914 **SampType:** MS Units **mg/L**
SampID: 24041394-004AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.236**	0.2500	0	94.4	85	115	04/17/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24040437

Client Project: BAL-24Q2 **Report Date:** 17-May-24

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

Batch R345914 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24041394-004AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.241**	0.2500	0	96.4	0.2360	2.10	04/17/2024

Batch R345914 **SampType:** MS Units **mg/L**
SampID: 24041396-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.240**	0.2500	0	96.0	85	115	04/17/2024

Batch R345914 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24041396-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.240**	0.2500	0	96.0	0.2400	0.00	04/17/2024

Batch R345914 **SampType:** MS Units **mg/L**
SampID: 24041414-004AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		2.50		**27.8**	12.50	14.80	103.8	90	110	04/17/2024

Batch R345914 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24041414-004AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		2.50		**27.2**	12.50	14.80	99.5	27.78	1.99	04/17/2024

Batch R345914 **SampType:** MS Units **mg/L**
SampID: 24041453-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		2.50		**35.1**	12.50	22.75	98.6	90	110	04/17/2024

Batch R345914 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24041453-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		2.50		**35.1**	12.50	22.75	98.5	35.07	0.04	04/17/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24040437

Client Project: BAL-24Q2 **Report Date:** 17-May-24

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

Batch R346070 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate (as N)		0.050		**< 0.050**						04/19/2024
Nitrogen, Nitrate-Nitrite (as N)		0.050		**< 0.050**	0.0090	0	0	-100	100	04/19/2024

Batch R346070 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.508**	0.5000	0	101.6	90	110	04/19/2024

Batch R346070 **SampType:** MS Units **mg/L**
SampID: 24040437-016AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		2.50		**27.9**	12.50	15.45	99.5	85	115	04/19/2024

Batch R346070 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24040437-016AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		2.50		**27.9**	12.50	15.45	99.4	27.88	0.03	04/19/2024

Batch R346070 **SampType:** MS Units **mg/L**
SampID: 24041446-004AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.256**	0.2500	0	102.4	90	110	04/19/2024

Batch R346070 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24041446-004AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.256**	0.2500	0	102.4	0.2560	0.00	04/19/2024

Batch R346070 **SampType:** MS Units **mg/L**
SampID: 24041447-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.250		**3.23**	1.250	1.956	102.2	90	110	04/19/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24040437

Client Project: BAL-24Q2 **Report Date:** 17-May-24

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

Batch R346070 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24041447-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.250		**3.19**	1.250	1.956	98.9	3.234	1.31	04/19/2024

Batch R346070 **SampType:** MS Units **mg/L**
SampID: 24041526-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.238**	0.2500	0	95.2	85	115	04/19/2024

Batch R346070 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24041526-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.242**	0.2500	0	96.8	0.2380	1.67	04/19/2024

Batch R346070 **SampType:** MS Units **mg/L**
SampID: 24041566-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		**9.68**	5.000	4.818	97.2	90	110	04/19/2024

Batch R346070 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24041566-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		**9.75**	5.000	4.818	98.6	9.677	0.71	04/19/2024

Batch R346070 **SampType:** MS Units **mg/L**
SampID: 24041606-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		2.50		**24.2**	12.50	11.53	101.7	90	110	04/19/2024

Batch R346070 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24041606-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		2.50		**24.6**	12.50	11.53	105.0	24.24	1.65	04/19/2024

Batch R346070 **SampType:** MS Units **mg/L**
SampID: 24041675-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.219**	0.2500	0	87.6	85	115	04/19/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24040437

Client Project: BAL-24Q2 **Report Date:** 17-May-24

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

Batch R346070 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24041675-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.224**	0.2500	0	89.6	0.2190	2.26	04/19/2024

Batch R346070 **SampType:** MS Units **mg/L**
SampID: 24041754-005BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.254**	0.2500	0	101.6	85	115	04/19/2024

Batch R346070 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24041754-005BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.252**	0.2500	0	100.8	0.2540	0.79	04/19/2024

Batch R346070 **SampType:** MS Units **mg/L**
SampID: 24041754-008BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050	H	**0.611**	0.2500	0.3510	104.0	85	115	04/19/2024

Batch R346070 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24041754-008BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050	H	**0.613**	0.2500	0.3510	104.8	0.6110	0.33	04/19/2024

Batch R346070 **SampType:** MS Units **mg/L**
SampID: 24041778-005BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.321**	0.2500	0.06400	102.8	85	115	04/19/2024

Batch R346070 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24041778-005BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.320**	0.2500	0.06400	102.4	0.3210	0.31	04/19/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24040437

Client Project: BAL-24Q2 **Report Date:** 17-May-24

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

Batch R346166 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate (as N)		0.050		**< 0.050**						04/23/2024
Nitrogen, Nitrate-Nitrite (as N)		0.050		**< 0.050**	0.0090	0	0	-100	100	04/23/2024

Batch R346166 **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		**0.538**	0.5000	0	107.6	90	110	04/23/2024

Batch R346166 **SampType:** MS Units **mg/L**
SampID: 24041774-001EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.250	H	**3.68**	1.250	2.469	96.8	85	115	04/23/2024

Batch R346166 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24041774-001EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.250	H	**3.66**	1.250	2.469	95.3	3.679	0.52	04/23/2024

Batch R346166 **SampType:** MS Units **mg/L**
SampID: 24041835-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		**15.7**	5.000	10.71	99.2	90	110	04/23/2024

Batch R346166 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24041835-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		**15.3**	5.000	10.71	92.3	15.67	2.24	04/23/2024

Batch R346166 **SampType:** MS Units **mg/L**
SampID: 24041886-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.05		**0.24**	0.2500	0	95.6	90	110	04/23/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24040437

Client Project: BAL-24Q2 **Report Date:** 17-May-24

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

Batch R346166 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24041886-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.05		**0.24**	0.2500	0	96.4	0.2390	0.83	04/23/2024

Batch R346166 **SampType:** DUP Units **mg/L** RPD Limit: **10**
SampID: 24040437-003ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050	JH	**0.021**				0.02500	0.00	04/23/2024

SW-846 9036 (DISSOLVED)

Batch R346075 **SampType:** MS Units **mg/L**
SampID: 24040437-004BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50		**202**	100.0	106.4	95.8	85	115	04/19/2024

Batch R346075 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24040437-004BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		50		**206**	100.0	106.4	99.8	202.2	1.95	04/19/2024

Batch R346241 **SampType:** MS Units **mg/L**
SampID: 24041778-005BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		100		**340**	200.0	157.3	91.1	85	115	04/23/2024

Batch R346241 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24041778-005BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		100		**349**	200.0	157.3	95.9	339.6	2.77	04/23/2024

SW-846 9036 (TOTAL)

Batch R345984 **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	04/18/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24040437

Client Project: BAL-24Q2 **Report Date:** 17-May-24

SW-846 9036 (TOTAL)

Batch R345984 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**19**	20.00	0	95.2	90	110	04/18/2024

Batch R345984 **SampType:** MS Units **mg/L**
SampID: 24040437-009AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10	S	**31**	20.00	14.40	81.4	85	115	04/18/2024

Batch R345984 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24040437-009AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10	S	**31**	20.00	14.40	82.6	30.67	0.81	04/18/2024

Batch R345984 **SampType:** MS Units **mg/L**
SampID: 24040437-018AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		20		**79**	40.00	44.63	86.5	85	115	04/18/2024

Batch R345984 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24040437-018AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		20		**81**	40.00	44.63	91.0	79.22	2.25	04/18/2024

Batch R345984 **SampType:** MS Units **mg/L**
SampID: 24041299-005AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		20		**78**	40.00	41.15	92.1	85	115	04/18/2024

Batch R345984 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24041299-005AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		20		**80**	40.00	41.15	96.6	78.00	2.26	04/18/2024

Batch R345984 **SampType:** MS Units **mg/L**
SampID: 24041526-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**50**	20.00	31.91	88.2	85	115	04/18/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24040437

Client Project: BAL-24Q2 **Report Date:** 17-May-24

SW-846 9036 (TOTAL)

Batch R345984 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24041526-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10		**50**	20.00	31.91	89.5	49.55	0.50	04/18/2024

Batch R346075 **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	04/19/2024

Batch R346075 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**19**	20.00	0	93.8	90	110	04/19/2024

Batch R346075 **SampType:** MS Units **mg/L**
SampID: 24040437-004AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50	S	**183**	100.0	101.4	82.0	85	115	04/19/2024

Batch R346075 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24040437-004AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		50		**192**	100.0	101.4	90.7	183.4	4.63	04/19/2024

Batch R346075 **SampType:** MS Units **mg/L**
SampID: 24040437-006AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		20	E	**101**	40.00	63.06	94.8	85	115	04/19/2024

Batch R346075 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24040437-006AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		20		**100**	40.00	63.06	92.1	101.0	1.08	04/19/2024

Batch R346075 **SampType:** MS Units **mg/L**
SampID: 24041394-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		20		**71**	40.00	34.55	91.8	85	115	04/19/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24040437

Client Project: BAL-24Q2 **Report Date:** 17-May-24

SW-846 9036 (TOTAL)

Batch R346075 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24041394-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		20		**73**	40.00	34.55	95.4	71.25	2.03	04/19/2024

Batch R346075 **SampType:** MS Units **mg/L**
SampID: 24041396-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10	S	**27**	20.00	13.49	66.0	85	115	04/19/2024

Batch R346075 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24041396-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10	S	**26**	20.00	13.49	64.6	26.69	1.05	04/19/2024

Batch R346075 **SampType:** MS Units **mg/L**
SampID: 24041555-009AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**46**	20.00	28.74	85.1	85	115	04/19/2024

Batch R346075 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24041555-009AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10		**46**	20.00	28.74	87.6	45.76	1.07	04/19/2024

Batch R346075 **SampType:** MS Units **mg/L**
SampID: 24041675-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50	S	**145**	100.0	67.78	77.2	85	115	04/19/2024

Batch R346075 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24041675-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		50	S	**150**	100.0	67.78	81.9	145.0	3.21	04/19/2024

Batch R346241 **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	04/23/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24040437

Client Project: BAL-24Q2 **Report Date:** 17-May-24

SW-846 9036 (TOTAL)

Batch R346241 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**21**	20.00	0	102.6	90	110	04/23/2024

Batch R346241 **SampType:** MS Units **mg/L**
SampID: 24040437-040AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50		**201**	100.0	112.0	89.0	85	115	04/23/2024

Batch R346241 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24040437-040AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		50		**203**	100.0	112.0	91.1	201.0	1.06	04/23/2024

Batch R346241 **SampType:** MS Units **mg/L**
SampID: 24041684-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		5000		**20200**	10000	10760	94.9	90	110	04/23/2024

Batch R346241 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24041684-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		5000		**20300**	10000	10760	95.9	20250	0.46	04/23/2024

Batch R346241 **SampType:** MS Units **mg/L**
SampID: 24041706-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		100		**331**	200.0	151.3	90.0	85	115	04/23/2024

Batch R346241 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24041706-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		100		**331**	200.0	151.3	89.8	331.4	0.16	04/23/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24040437

Client Project: BAL-24Q2 **Report Date:** 17-May-24

SW-846 9214 (TOTAL)

Batch R346326 **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	04/25/2024

Batch R346326 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**0.99**	1.000	0	98.6	90	110	04/25/2024

Batch R346326 **SampType:** MS Units **mg/L**
SampID: 24040437-010AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.40**	2.000	0.2590	107.2	75	125	04/25/2024

Batch R346326 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24040437-010AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.44**	2.000	0.2590	108.9	2.403	1.40	04/25/2024

Batch R346326 **SampType:** MS Units **mg/L**
SampID: 24040437-013AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**3.79**	2.000	1.689	104.8	75	125	04/25/2024

Batch R346326 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24040437-013AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**3.88**	2.000	1.689	109.4	3.786	2.40	04/25/2024

Batch R346326 **SampType:** MS Units **mg/L**
SampID: 24040437-036AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.45**	2.000	0.3950	102.6	75	125	04/25/2024

Batch R346326 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24040437-036AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.39**	2.000	0.3950	99.8	2.446	2.27	04/25/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24040437

Client Project: BAL-24Q2 **Report Date:** 17-May-24

SW-846 9214 (TOTAL)

Batch R346326 **SampType:** MS Units **mg/L**
SampID: 24040437-043AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.04**	2.000	0	102.2	75	125	04/25/2024

Batch R346326 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24040437-043AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.05**	2.000	0	102.4	2.043	0.24	04/25/2024

Batch R346326 **SampType:** MS Units **mg/L**
SampID: 24041586-004AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.81**	2.000	0.6640	107.4	75	125	04/25/2024

Batch R346326 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24041586-004AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.76**	2.000	0.6640	104.6	2.813	2.08	04/25/2024

Batch R346326 **SampType:** MS Units **mg/L**
SampID: 24041684-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		2.00		**150**	40.00	105.6	110.8	75	125	04/25/2024

Batch R346326 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24041684-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		2.00		**147**	40.00	105.6	102.7	149.9	2.20	04/25/2024

SW-846 9251 (DISSOLVED)

Batch R346082 **SampType:** MS Units **mg/L**
SampID: 24040437-004BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		20		**134**	100.0	41.14	93.3	85	115	04/19/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24040437

Client Project: BAL-24Q2 **Report Date:** 17-May-24

SW-846 9251 (DISSOLVED)

Batch R346082 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24040437-004BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		20		**136**	100.0	41.14	94.6	134.5	0.96	04/19/2024

Batch R346242 **SampType:** MS Units **mg/L**
SampID: 24041778-005BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		8		**80**	40.00	45.79	86.3	85	115	04/23/2024

Batch R346242 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24041778-005BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		8		**80**	40.00	45.79	86.6	80.30	0.16	04/23/2024

SW-846 9251 (TOTAL)

Batch R345964 **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	04/18/2024

Batch R345964 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**20**	20.00	0	98.4	90	110	04/18/2024

Batch R345964 **SampType:** MS Units **mg/L**
SampID: 24040437-009AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**37**	20.00	19.92	86.6	85	115	04/18/2024

Batch R345964 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24040437-009AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**38**	20.00	19.92	87.9	37.24	0.70	04/18/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24040437

Client Project: BAL-24Q2 **Report Date:** 17-May-24

SW-846 9251 (TOTAL)

Batch R345964 **SampType:** MS Units **mg/L**
SampID: 24040437-018AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4	E	**52**	20.00	34.32	89.8	85	115	04/18/2024

Batch R345964 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24040437-018AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4	E	**52**	20.00	34.32	88.2	52.27	0.59	04/18/2024

Batch R345964 **SampType:** MS Units **mg/L**
SampID: 24041299-005AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**29**	20.00	10.43	91.2	85	115	04/18/2024

Batch R345964 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24041299-005AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**29**	20.00	10.43	90.8	28.66	0.24	04/18/2024

Batch R345964 **SampType:** MS Units **mg/L**
SampID: 24041394-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4	E	**51**	20.00	31.97	96.0	85	115	04/18/2024

Batch R345964 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24041394-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4	E	**51**	20.00	31.97	93.5	51.18	1.00	04/18/2024

Batch R345964 **SampType:** MS Units **mg/L**
SampID: 24041396-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**29**	20.00	10.46	93.7	85	115	04/18/2024

Batch R345964 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24041396-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**30**	20.00	10.46	96.2	29.20	1.73	04/18/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24040437

Client Project: BAL-24Q2 **Report Date:** 17-May-24

SW-846 9251 (TOTAL)

Batch R345964 **SampType:** MS Units **mg/L**
SampID: 24041526-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**47**	20.00	29.97	86.0	85	115	04/18/2024

Batch R345964 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24041526-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**48**	20.00	29.97	90.2	47.17	1.74	04/18/2024

Batch R346082 **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	04/19/2024

Batch R346082 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**20**	20.00	0	97.6	90	110	04/19/2024

Batch R346082 **SampType:** MS Units **mg/L**
SampID: 24040437-004AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		20		**129**	100.0	40.89	88.0	85	115	04/19/2024

Batch R346082 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24040437-004AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		20		**133**	100.0	40.89	92.1	128.9	3.16	04/19/2024

Batch R346082 **SampType:** MS Units **mg/L**
SampID: 24040437-006AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**37**	20.00	18.88	88.2	85	115	04/19/2024

Batch R346082 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24040437-006AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**37**	20.00	18.88	88.4	36.52	0.14	04/19/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24040437

Client Project: BAL-24Q2 **Report Date:** 17-May-24

SW-846 9251 (TOTAL)

Batch R346082 **SampType:** MS Units **mg/L**
SampID: 24040437-040AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4	E	**68**	20.00	46.07	108.2	85	115	04/20/2024

Batch R346082 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24040437-040AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4	E	**67**	20.00	46.07	104.8	67.70	0.99	04/20/2024

Batch R346082 **SampType:** MS Units **mg/L**
SampID: 24041555-009AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**25**	20.00	6.200	91.6	85	115	04/19/2024

Batch R346082 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24041555-009AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**25**	20.00	6.200	93.0	24.52	1.14	04/19/2024

Batch R346082 **SampType:** MS Units **mg/L**
SampID: 24041675-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		40		**289**	200.0	109.8	89.8	85	115	04/19/2024

Batch R346082 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24041675-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		40		**284**	200.0	109.8	87.3	289.4	1.78	04/19/2024

Batch R346242 **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	04/23/2024

Batch R346242 **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	99.4	90	110	04/23/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24040437

Client Project: BAL-24Q2 **Report Date:** 17-May-24

SW-846 9251 (TOTAL)

Batch R346242 **SampType:** MS Units **mg/L**
SampID: 24041644-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		80		**630**	400.0	276.3	88.5	85	115	04/23/2024

Batch R346242 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24041644-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		80		**628**	400.0	276.3	87.9	630.3	0.41	04/23/2024

Batch R346242 **SampType:** MS Units **mg/L**
SampID: 24041684-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		2000		**16700**	10000	7712	90.0	85	115	04/23/2024

Batch R346242 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24041684-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		2000		**16500**	10000	7712	87.7	16710	1.37	04/23/2024

Batch R346242 **SampType:** MS Units **mg/L**
SampID: 24041706-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		40		**238**	200.0	50.42	93.8	85	115	04/23/2024

Batch R346242 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24041706-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		40		**251**	200.0	50.42	100.3	238.1	5.31	04/23/2024

Batch R346242 **SampType:** MS Units **mg/L**
SampID: 24041708-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4	S	**43**	20.00	26.35	84.8	85	115	04/23/2024

Batch R346242 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24041708-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**44**	20.00	26.35	87.0	43.31	0.99	04/23/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24040437

Client Project: BAL-24Q2 **Report Date:** 17-May-24

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 221509 **SampType:** MBLK Units **mg/L**
SampID: MBLK-221509

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0250		**< 0.0250**	0.0087	0	0	-100	100	04/19/2024
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	04/19/2024
Iron		0.0400		**< 0.0400**	0.0200	0	0	-100	100	04/19/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	04/19/2024
Manganese		0.0070		**< 0.0070**	0.0025	0	0	-100	100	04/19/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	04/19/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	04/19/2024

Batch 221509 **SampType:** LCS Units **mg/L**
SampID: LCS-221509

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0250		**0.523**	0.5000	0	104.7	85	115	04/19/2024
Calcium		0.100		**2.53**	2.500	0	101.3	85	115	04/19/2024
Iron		0.0400		**2.11**	2.000	0	105.5	85	115	04/19/2024
Magnesium		0.0500		**2.43**	2.500	0	97.4	85	115	04/19/2024
Manganese		0.0070		**0.505**	0.5000	0	100.9	85	115	04/19/2024
Potassium		0.100		**2.64**	2.500	0	105.8	85	115	04/19/2024
Sodium		0.0500		**2.56**	2.500	0	102.4	85	115	04/19/2024

Batch 221509 **SampType:** MS Units **mg/L**
SampID: 24040437-003CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**198**	2.500	192.8	203.2	75	125	04/19/2024
Magnesium		0.0500	S	**155**	2.500	150.7	162.6	75	125	04/19/2024
Potassium		0.100		**3.66**	2.500	0.8591	111.8	75	125	04/19/2024
Sodium		0.0500	S	**106**	2.500	102.3	161.6	75	125	04/19/2024

Batch 221509 **SampType:** MSD Units **mg/L** RPD Limit: **20**
SampID: 24040437-003CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**201**	2.500	192.8	318.8	197.9	1.45	04/19/2024
Magnesium		0.0500	S	**157**	2.500	150.7	254.3	154.8	1.47	04/19/2024
Potassium		0.100		**3.68**	2.500	0.8591	112.8	3.655	0.64	04/19/2024
Sodium		0.0500	S	**107**	2.500	102.3	206.4	106.3	1.05	04/19/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24040437

Client Project: BAL-24Q2 **Report Date:** 17-May-24

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 221556 **SampType:** MBLK Units **mg/L**

SampID: MBLK-221556

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0250		**< 0.0250**	0.0087	0	0	-100	100	04/19/2024
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	04/18/2024
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	04/17/2024
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	04/19/2024
Iron		0.0400		**< 0.0400**	0.0200	0	0	-100	100	04/19/2024
Lead		0.0150		**< 0.0150**	0.0040	0	0	-100	100	04/19/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	04/17/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	04/18/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	04/19/2024
Manganese		0.0070		**< 0.0070**	0.0025	0	0	-100	100	04/19/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	04/18/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	04/19/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	04/17/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	04/18/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	04/19/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	04/17/2024

Batch 221556 **SampType:** LCS Units **mg/L**

SampID: LCS-221556

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0250		**0.518**	0.5000	0	103.5	85	115	04/19/2024
Calcium		0.100		**2.70**	2.500	0	107.9	85	115	04/19/2024
Calcium		0.100		**2.61**	2.500	0	104.5	85	115	04/17/2024
Calcium		0.100		**2.64**	2.500	0	105.7	85	115	04/18/2024
Iron		0.0400		**2.14**	2.000	0	107.0	85	115	04/19/2024
Lead		0.0150		**0.496**	0.5000	0	99.1	85	115	04/19/2024
Magnesium		0.0500		**2.36**	2.500	0	94.4	85	115	04/17/2024
Magnesium		0.0500		**2.54**	2.500	0	101.4	85	115	04/18/2024
Magnesium		0.0500		**2.48**	2.500	0	99.2	85	115	04/19/2024
Manganese		0.0070		**0.513**	0.5000	0	102.5	85	115	04/19/2024
Potassium		0.100		**2.80**	2.500	0	111.8	85	115	04/18/2024
Potassium		0.100		**2.55**	2.500	0	101.9	85	115	04/17/2024
Potassium		0.100		**2.72**	2.500	0	108.7	85	115	04/19/2024
Sodium		0.0500		**2.47**	2.500	0	98.8	85	115	04/17/2024
Sodium		0.0500		**2.65**	2.500	0	106.2	85	115	04/18/2024
Sodium		0.0500		**2.64**	2.500	0	105.7	85	115	04/19/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24040437

Client Project: BAL-24Q2 **Report Date:** 17-May-24

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 221595 **SampType:** MBLK Units **mg/L**
SampID: MBLK-221595

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	04/19/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	04/19/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	04/19/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	04/19/2024

Batch 221595 **SampType:** LCS Units **mg/L**
SampID: LCS-221595

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.40**	2.500	0	96.0	85	115	04/19/2024
Magnesium		0.0500		**2.25**	2.500	0	90.0	85	115	04/19/2024
Potassium		0.100		**2.55**	2.500	0	101.8	85	115	04/19/2024
Sodium		0.0500		**2.38**	2.500	0	95.4	85	115	04/19/2024

Batch 221595 **SampType:** MS Units **mg/L**
SampID: 24040437-022BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**41.6**	2.500	39.50	82.4	75	125	04/19/2024
Magnesium		0.0500		**24.8**	2.500	22.81	80.8	75	125	04/19/2024
Potassium		0.100		**8.24**	2.500	5.730	100.3	75	125	04/19/2024
Sodium		0.0500	S	**1130**	2.500	1150	-940.4	75	125	04/19/2024

Batch 221595 **SampType:** MSD Units **mg/L** RPD Limit: **20**
SampID: 24040437-022BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100		**41.6**	2.500	39.50	82.8	41.56	0.02	04/19/2024
Magnesium		0.0500	S	**24.6**	2.500	22.81	73.6	24.83	0.74	04/19/2024
Potassium		0.100		**8.49**	2.500	5.730	110.6	8.239	3.05	04/19/2024
Sodium		0.0500	S	**1160**	2.500	1150	485.6	1127	3.11	04/19/2024

Batch 221595 **SampType:** MS Units **mg/L**
SampID: 24040437-031BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**9.47**	2.500	7.050	96.8	75	125	04/19/2024
Magnesium		0.0500		**6.42**	2.500	4.086	93.3	75	125	04/19/2024
Potassium		0.100		**5.86**	2.500	3.020	113.6	75	125	04/19/2024
Sodium		0.0500	S	**1020**	2.500	997.4	761.6	75	125	04/19/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24040437

Client Project: BAL-24Q2 **Report Date:** 17-May-24

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 221595 **SampType:** MSD Units **mg/L** RPD Limit: **20**

SampID: 24040437-031BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100		**9.58**	2.500	7.050	101.2	9.470	1.15	04/19/2024
Magnesium		0.0500		**6.49**	2.500	4.086	96.3	6.419	1.14	04/19/2024
Potassium		0.100		**5.89**	2.500	3.020	114.9	5.858	0.57	04/19/2024
Sodium		0.0500	S	**1020**	2.500	997.4	962.0	1016	0.49	04/19/2024

Batch 221725 **SampType:** MBLK Units **mg/L**

SampID: MBLK-221725

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	04/22/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	04/22/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	04/22/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	04/22/2024

Batch 221725 **SampType:** LCS Units **mg/L**

SampID: LCS-221725

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.48**	2.500	0	99.2	85	115	04/22/2024
Magnesium		0.0500		**2.44**	2.500	0	97.7	85	115	04/22/2024
Potassium		0.100		**2.60**	2.500	0	103.9	85	115	04/22/2024
Sodium		0.0500		**2.43**	2.500	0	97.4	85	115	04/22/2024

Batch 221725 **SampType:** MS Units **mg/L**

SampID: 24040437-011CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**203**	2.500	208.9	-253.6	75	125	04/22/2024
Magnesium		0.0500	S	**83.1**	2.500	84.74	-63.9	75	125	04/22/2024
Potassium		0.100		**4.54**	2.500	1.822	108.8	75	125	04/22/2024
Sodium		0.0500	S	**97.1**	2.500	97.13	-2.8	75	125	04/22/2024

Batch 221725 **SampType:** MSD Units **mg/L** RPD Limit: **20**

SampID: 24040437-011CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**208**	2.500	208.9	-34.0	202.5	2.67	04/22/2024
Magnesium		0.0500	S	**85.6**	2.500	84.74	34.2	83.14	2.91	04/22/2024
Potassium		0.100		**4.46**	2.500	1.822	105.5	4.541	1.78	04/22/2024
Sodium		0.0500	S	**96.7**	2.500	97.13	-18.8	97.06	0.41	04/22/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24040437

Client Project: BAL-24Q2 **Report Date:** 17-May-24

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 221725 **SampType:** MS Units **mg/L**
SampID: 24041557-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**72.1**	2.500	71.36	30.0	75	125	04/22/2024

Batch 221725 **SampType:** MSD Units **mg/L** RPD Limit: **20**
SampID: 24041557-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100		**73.9**	2.500	71.36	102.4	72.11	2.48	04/22/2024

Batch 222030 **SampType:** MBLK Units **mg/L**
SampID: MBLK-222030

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	05/01/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	05/01/2024
Manganese		0.0070		**< 0.0070**	0.0025	0	0	-100	100	05/01/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	05/01/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	05/01/2024

Batch 222030 **SampType:** LCS Units **mg/L**
SampID: LCS-222030

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.45**	2.500	0	98.0	85	115	05/01/2024
Magnesium		0.0500		**2.46**	2.500	0	98.3	85	115	05/01/2024
Manganese		0.0070		**0.507**	0.5000	0	101.3	85	115	05/01/2024
Potassium		0.100		**2.82**	2.500	0	112.8	85	115	05/01/2024
Sodium		0.0500		**2.56**	2.500	0	102.2	85	115	05/01/2024

Batch 222030 **SampType:** MS Units **mg/L**
SampID: 24041957-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Manganese		0.0070		**0.553**	0.5000	0.002700	110.1	75	125	04/29/2024

Batch 222030 **SampType:** MSD Units **mg/L** RPD Limit: **20**
SampID: 24041957-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Manganese		0.0070		**0.563**	0.5000	0.002700	112.0	0.5530	1.72	04/29/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24040437

Client Project: BAL-24Q2 **Report Date:** 17-May-24

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 222030 **SampType:** MS Units **mg/L**
SampID: 24041980-005DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Manganese		0.0070		**2.19**	0.5000	1.601	117.6	75	125	04/29/2024

Batch 222030 **SampType:** MSD Units **mg/L** RPD Limit: **20**
SampID: 24041980-005DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Manganese		0.0070		**2.13**	0.5000	1.601	105.5	2.189	2.81	04/29/2024

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch 221599 **SampType:** MBLK Units **mg/L**
SampID: MBLK-221599

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	04/22/2024

Batch 221599 **SampType:** LCS Units **mg/L**
SampID: LCS-221599

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		0.0250		**0.475**	0.5000	0	94.9	80	120	04/22/2024

Batch 221659 **SampType:** MBLK Units **mg/L**
SampID: MBLK-221659

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	04/20/2024

Batch 221659 **SampType:** LCS Units **mg/L**
SampID: LCS-221659

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		0.0250		**0.433**	0.5000	0	86.6	80	120	04/20/2024

Batch 221729 **SampType:** MBLK Units **mg/L**
SampID: MBLK-221729

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	04/23/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24040437

Client Project: BAL-24Q2 **Report Date:** 17-May-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch 221729 **SampType:** LCS Units **mg/L**

SampID: LCS-221729

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		0.0250		**0.451**	0.5000	0	90.2	80	120	04/23/2024

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 221509 **SampType:** MBLK Units **mg/L**

SampID: MBLK-221509

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	04/20/2024
Arsenic		0.0010		**< 0.0010**	0.0004	0	0	-100	100	04/20/2024
Barium		0.0010		**< 0.0010**	0.0007	0	0	-100	100	04/20/2024
Beryllium		0.0010		**< 0.0010**	0.0002	0	0	-100	100	04/20/2024
Boron		0.0250		**< 0.0250**	0.0093	0	0	-100	100	04/20/2024
Cadmium		0.0010		**< 0.0010**	0.0001	0	0	-100	100	04/20/2024
Chromium		0.0015		**< 0.0015**	0.0007	0	0	-100	100	04/20/2024
Cobalt		0.0010		**< 0.0010**	0.0001	0	0	-100	100	04/20/2024
Iron		0.0250		**< 0.0250**	0.0115	0	0	-100	100	04/20/2024
Lead		0.0010		**< 0.0010**	0.0006	0	0	-100	100	04/25/2024
Lithium	*	0.0030		**< 0.0030**	0.0015	0	0	-100	100	04/20/2024
Manganese		0.0020		**< 0.0020**	0.0008	0	0	-100	100	04/20/2024
Molybdenum		0.0015		**< 0.0015**	0.0006	0	0	-100	100	04/20/2024
Selenium		0.0010		**< 0.0010**	0.0006	0	0	-100	100	04/20/2024
Thallium		0.0020		**< 0.0020**	0.0010	0	0	-100	100	04/20/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24040437

Client Project: BAL-24Q2 **Report Date:** 17-May-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 221509 **SampType:** LCS Units **mg/L**

SampID: LCS-221509

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		**0.516**	0.5000	0	103.1	80	120	04/20/2024
Arsenic		0.0010		**0.511**	0.5000	0	102.2	80	120	04/20/2024
Barium		0.0010		**2.10**	2.000	0	105.0	80	120	04/20/2024
Beryllium		0.0010		**0.0508**	0.0500	0	101.6	80	120	04/20/2024
Boron		0.0250		**0.492**	0.5000	0	98.5	80	120	04/20/2024
Cadmium		0.0010		**0.0516**	0.0500	0	103.2	80	120	04/20/2024
Chromium		0.0015		**0.214**	0.2000	0	107.1	80	120	04/20/2024
Cobalt		0.0010		**0.515**	0.5000	0	102.9	80	120	04/20/2024
Iron		0.0250		**2.07**	2.000	0	103.6	80	120	04/20/2024
Lead		0.0010		**0.565**	0.5000	0	113.1	80	120	04/25/2024
Lithium	*	0.0030		**0.502**	0.5000	0	100.5	80	120	04/20/2024
Manganese		0.0020		**0.522**	0.5000	0	104.3	80	120	04/20/2024
Molybdenum		0.0015		**0.471**	0.5000	0	94.1	80	120	04/20/2024
Selenium		0.0010		**0.530**	0.5000	0	106.1	80	120	04/20/2024
Thallium		0.0020		**0.218**	0.2500	0	87.1	80	120	04/20/2024

Batch 221509 **SampType:** MS Units **mg/L**

SampID: 24040437-003CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		**0.517**	0.5000	0	103.5	75	125	04/20/2024
Arsenic		0.0010		**0.510**	0.5000	0	102.0	75	125	04/20/2024
Barium		0.0010		**2.05**	2.000	0.01600	101.7	75	125	04/20/2024
Beryllium		0.0010		**0.0502**	0.0500	0	100.5	75	125	04/20/2024
Boron		0.0250	S	**4.14**	0.5000	3.487	130.2	75	125	04/20/2024
Cadmium		0.0010		**0.0516**	0.0500	0	103.3	75	125	04/20/2024
Chromium		0.0015		**0.208**	0.2000	0.0007273	103.7	75	125	04/20/2024
Cobalt		0.0010		**0.502**	0.5000	0	100.3	75	125	04/20/2024
Iron		0.0250		**2.22**	2.000	0.07663	107.0	75	125	04/20/2024
Lead		0.0010		**0.559**	0.5000	0.0008830	111.7	75	125	04/25/2024
Lithium	*	0.0030		**0.565**	0.5000	0.05430	102.1	75	125	04/20/2024
Manganese		0.0020		**0.512**	0.5000	0.001188	102.2	75	125	04/20/2024
Molybdenum		0.0015		**0.477**	0.5000	0.001158	95.2	75	125	04/20/2024
Selenium		0.0010		**0.513**	0.5000	0	102.6	75	125	04/20/2024
Thallium		0.0020		**0.238**	0.2500	0	95.1	75	125	04/20/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24040437

Client Project: BAL-24Q2 **Report Date:** 17-May-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 221509 **SampType:** MSD Units **mg/L** RPD Limit: **20**

SampID: 24040437-003CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		0.0010		**0.533**	0.5000	0	106.5	0.5175	2.89	04/20/2024
Arsenic		0.0010		**0.533**	0.5000	0	106.6	0.5102	4.35	04/20/2024
Barium		0.0010		**2.13**	2.000	0.01600	105.6	2.050	3.70	04/20/2024
Beryllium		0.0010		**0.0530**	0.0500	0	106.0	0.05024	5.39	04/20/2024
Boron		0.0250	S	**4.24**	0.5000	3.487	151.0	4.138	2.47	04/20/2024
Cadmium		0.0010		**0.0523**	0.0500	0	104.6	0.05163	1.33	04/20/2024
Chromium		0.0015		**0.212**	0.2000	0.0007273	105.7	0.2082	1.85	04/20/2024
Cobalt		0.0010		**0.517**	0.5000	0	103.4	0.5017	3.05	04/20/2024
Iron		0.0250		**2.12**	2.000	0.07663	102.2	2.216	4.40	04/20/2024
Lead		0.0010		**0.574**	0.5000	0.0008830	114.7	0.5592	2.65	04/25/2024
Lithium	*	0.0030		**0.583**	0.5000	0.05430	105.8	0.5650	3.14	04/20/2024
Manganese		0.0020		**0.516**	0.5000	0.001188	103.0	0.5122	0.78	04/20/2024
Molybdenum		0.0015		**0.497**	0.5000	0.001158	99.3	0.4771	4.17	04/20/2024
Selenium		0.0010		**0.529**	0.5000	0	105.7	0.5128	3.03	04/20/2024
Thallium		0.0020		**0.256**	0.2500	0	102.2	0.2378	7.23	04/20/2024

Batch 221509 **SampType:** MS Units **mg/L**

SampID: 24040437-008CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Iron		0.0250		**2.20**	2.000	0.06159	106.8	75	125	04/20/2024
Manganese		0.0020	S	**1.52**	0.5000	0.8609	132.0	75	125	04/30/2024

Batch 221509 **SampType:** MSD Units **mg/L** RPD Limit: **20**

SampID: 24040437-008CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Iron		0.0250		**2.18**	2.000	0.06159	106.0	2.197	0.71	04/20/2024
Manganese		0.0020	S	**1.53**	0.5000	0.8609	133.9	1.521	0.63	04/30/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24040437

Client Project: BAL-24Q2 **Report Date:** 17-May-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 221556 **SampType:** MBLK Units **mg/L**

SampID: MBLK-221556

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	04/23/2024
Arsenic		0.0010		**< 0.0010**	0.0004	0	0	-100	100	04/20/2024
Barium		0.0010		**< 0.0010**	0.0007	0	0	-100	100	04/20/2024
Beryllium		0.0010		**< 0.0010**	0.0002	0	0	-100	100	04/22/2024
Boron		0.0250		**< 0.0250**	0.0093	0	0	-100	100	04/22/2024
Cadmium		0.0010		**< 0.0010**	0.0001	0	0	-100	100	04/20/2024
Chromium		0.0015		**< 0.0015**	0.0007	0	0	-100	100	04/23/2024
Cobalt		0.0010		**< 0.0010**	0.0001	0	0	-100	100	04/20/2024
Iron		0.0250		**< 0.0250**	0.0115	0	0	-100	100	04/20/2024
Lead		0.0010		**< 0.0010**	0.0006	0	0	-100	100	04/20/2024
Lithium	*	0.0030		**< 0.0030**	0.0015	0	0	-100	100	04/22/2024
Manganese		0.0020		**< 0.0020**	0.0008	0	0	-100	100	04/20/2024
Molybdenum		0.0015		**< 0.0015**	0.0006	0	0	-100	100	04/20/2024
Selenium		0.0010		**< 0.0010**	0.0006	0	0	-100	100	04/20/2024
Thallium		0.0020		**< 0.0020**	0.0010	0	0	-100	100	04/20/2024

Batch 221556 **SampType:** LCS Units **mg/L**

SampID: LCS-221556

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		**0.509**	0.5000	0	101.9	80	120	04/23/2024
Arsenic		0.0010		**0.529**	0.5000	0	105.8	80	120	04/20/2024
Barium		0.0010		**2.19**	2.000	0	109.4	80	120	04/20/2024
Beryllium		0.0010		**0.0484**	0.0500	0	96.8	80	120	04/22/2024
Boron		0.0250		**0.508**	0.5000	0	101.6	80	120	04/22/2024
Cadmium		0.0010		**0.0533**	0.0500	0	106.7	80	120	04/20/2024
Chromium		0.0015		**0.210**	0.2000	0	105.2	80	120	04/23/2024
Cobalt		0.0010		**0.525**	0.5000	0	104.9	80	120	04/20/2024
Iron		0.0250		**2.12**	2.000	0	105.9	80	120	04/20/2024
Lead		0.0010		**0.530**	0.5000	0	106.1	80	120	04/20/2024
Lithium	*	0.0030		**0.503**	0.5000	0	100.6	80	120	04/22/2024
Manganese		0.0020		**0.530**	0.5000	0	105.9	80	120	04/20/2024
Molybdenum		0.0015		**0.482**	0.5000	0	96.5	80	120	04/20/2024
Selenium		0.0010		**0.539**	0.5000	0	107.8	80	120	04/20/2024
Thallium		0.0020		**0.244**	0.2500	0	97.4	80	120	04/20/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24040437

Client Project: BAL-24Q2 **Report Date:** 17-May-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 221595 **SampType:** MBLK Units **mg/L**

SampID: MBLK-221595

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	04/24/2024
Antimony		0.0010	S	**0.0022**	0.0004	0	497.5	-100	100	04/23/2024
Arsenic		0.0010		**< 0.0010**	0.0004	0	0	-100	100	04/20/2024
Barium		0.0010		**< 0.0010**	0.0007	0	0	-100	100	04/20/2024
Beryllium		0.0010		**< 0.0010**	0.0002	0	0	-100	100	04/20/2024
Boron		0.0250		**< 0.0250**	0.0093	0	0	-100	100	04/20/2024
Cadmium		0.0010		**< 0.0010**	0.0001	0	0	-100	100	04/20/2024
Chromium		0.0015		**< 0.0015**	0.0007	0	0	-100	100	04/23/2024
Cobalt		0.0010		**< 0.0010**	0.0001	0	0	-100	100	04/20/2024
Iron		0.0250		**< 0.0250**	0.0115	0	0	-100	100	04/20/2024
Lead		0.0010	S	**0.0052**	0.0006	0	873.6	-100	100	04/20/2024
Lithium	*	0.0030		**< 0.0030**	0.0015	0	0	-100	100	04/20/2024
Manganese		0.0020		**< 0.0020**	0.0008	0	0	-100	100	04/20/2024
Molybdenum		0.0015		**< 0.0015**	0.0006	0	0	-100	100	04/20/2024
Selenium		0.0010		**< 0.0010**	0.0006	0	0	-100	100	04/23/2024
Thallium		0.0020		**< 0.0020**	0.0010	0	0	-100	100	04/20/2024

Batch 221595 **SampType:** LCS Units **mg/L**

SampID: LCS-221595

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010	B	**0.551**	0.5000	0	110.1	80	120	04/23/2024
Arsenic		0.0010		**0.480**	0.5000	0	96.1	80	120	04/20/2024
Barium		0.0010		**2.06**	2.000	0	103.2	80	120	04/20/2024
Beryllium		0.0010		**0.0501**	0.0500	0	100.2	80	120	04/20/2024
Boron		0.0250		**0.509**	0.5000	0	101.8	80	120	04/20/2024
Cadmium		0.0010		**0.0496**	0.0500	0	99.1	80	120	04/20/2024
Chromium		0.0015		**0.234**	0.2000	0	116.8	80	120	04/23/2024
Cobalt		0.0010		**0.491**	0.5000	0	98.2	80	120	04/20/2024
Iron		0.0250		**2.01**	2.000	0	100.7	80	120	04/20/2024
Lead		0.0010	B	**0.508**	0.5000	0	101.7	80	120	04/20/2024
Lithium	*	0.0030		**0.515**	0.5000	0	103.0	80	120	04/20/2024
Manganese		0.0020		**0.508**	0.5000	0	101.5	80	120	04/20/2024
Molybdenum		0.0015		**0.444**	0.5000	0	88.9	80	120	04/20/2024
Selenium		0.0010		**0.575**	0.5000	0	114.9	80	120	04/23/2024
Thallium		0.0020		**0.232**	0.2500	0	92.9	80	120	04/20/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24040437

Client Project: BAL-24Q2 **Report Date:** 17-May-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 221595 **SampType:** MS Units **mg/L**

SampID: 24040437-022BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		**0.564**	0.5000	0	112.8	75	125	04/24/2024
Arsenic		0.0010		**0.523**	0.5000	0.0007763	104.4	75	125	04/20/2024
Barium		0.0010		**2.14**	2.000	0.04150	104.7	75	125	04/20/2024
Beryllium		0.0010		**0.0524**	0.0500	0	104.8	75	125	04/20/2024
Boron		0.0250	S	**2.40**	0.5000	1.763	127.9	75	125	04/22/2024
Cadmium		0.0010		**0.0501**	0.0500	0	100.2	75	125	04/20/2024
Chromium		0.0015		**0.229**	0.2000	0	114.4	75	125	04/23/2024
Cobalt		0.0010		**0.487**	0.5000	0.0001773	97.4	75	125	04/20/2024
Lead		0.0010	B	**0.534**	0.5000	0	106.9	75	125	04/20/2024
Lithium	*	0.0030		**0.629**	0.5000	0.1703	91.8	75	125	04/20/2024
Molybdenum		0.0015		**0.494**	0.5000	0.007622	97.3	75	125	04/20/2024
Selenium		0.0010		**0.560**	0.5000	0	112.0	75	125	04/23/2024
Thallium		0.0020		**0.245**	0.2500	0	98.1	75	125	04/20/2024

Batch 221595 **SampType:** MSD Units **mg/L** RPD Limit: **20**

SampID: 24040437-022BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		0.0010		**0.557**	0.5000	0	111.5	0.5639	1.14	04/24/2024
Arsenic		0.0010		**0.507**	0.5000	0.0007763	101.2	0.5227	3.15	04/20/2024
Barium		0.0010		**2.09**	2.000	0.04150	102.4	2.136	2.20	04/20/2024
Beryllium		0.0010		**0.0488**	0.0500	0	97.5	0.05240	7.19	04/20/2024
Boron		0.0250	S	**2.50**	0.5000	1.763	148.0	2.403	4.11	04/22/2024
Cadmium		0.0010		**0.0483**	0.0500	0	96.6	0.05012	3.75	04/20/2024
Chromium		0.0015		**0.241**	0.2000	0	120.5	0.2289	5.13	04/23/2024
Cobalt		0.0010		**0.479**	0.5000	0.0001773	95.8	0.4874	1.66	04/20/2024
Lead		0.0010	B	**0.522**	0.5000	0	104.4	0.5343	2.28	04/20/2024
Lithium	*	0.0030		**0.622**	0.5000	0.1703	90.4	0.6294	1.10	04/20/2024
Molybdenum		0.0015		**0.489**	0.5000	0.007622	96.2	0.4940	1.05	04/20/2024
Selenium		0.0010		**0.596**	0.5000	0	119.2	0.5598	6.24	04/23/2024
Thallium		0.0020		**0.243**	0.2500	0	97.1	0.2452	1.03	04/20/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24040437

Client Project: BAL-24Q2 **Report Date:** 17-May-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 221595 **SampType:** MS Units **mg/L**

SampID: 24040437-031BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010	B	**0.530**	0.5000	0	105.9	75	125	04/23/2024
Arsenic		0.0010		**0.460**	0.5000	0	92.0	75	125	04/20/2024
Barium		0.0010		**2.14**	2.000	0.04163	105.1	75	125	04/20/2024
Beryllium		0.0010		**0.0507**	0.0500	0	101.4	75	125	04/20/2024
Boron		0.0250		**2.30**	0.5000	1.831	94.3	75	125	04/23/2024
Cadmium		0.0010		**0.0495**	0.0500	0	99.0	75	125	04/20/2024
Chromium		0.0015		**0.186**	0.2000	0.0008024	92.4	75	125	04/23/2024
Cobalt		0.0010		**0.465**	0.5000	0	92.9	75	125	04/20/2024
Lead		0.0010	B	**0.543**	0.5000	0	108.6	75	125	04/20/2024
Lithium	*	0.0030		**0.563**	0.5000	0.07140	98.3	75	125	04/23/2024
Molybdenum		0.0015		**0.466**	0.5000	0	93.2	75	125	04/20/2024
Selenium		0.0010		**0.445**	0.5000	0	89.0	75	125	04/23/2024
Thallium		0.0020		**0.253**	0.2500	0	101.1	75	125	04/20/2024

Batch 221595 **SampType:** MSD Units **mg/L** RPD Limit: **20**

SampID: 24040437-031BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		0.0010	B	**0.540**	0.5000	0	108.0	0.5296	1.97	04/23/2024
Arsenic		0.0010		**0.477**	0.5000	0	95.3	0.4601	3.51	04/20/2024
Barium		0.0010		**2.18**	2.000	0.04163	106.9	2.143	1.66	04/20/2024
Beryllium		0.0010		**0.0518**	0.0500	0	103.7	0.05070	2.21	04/20/2024
Boron		0.0250		**2.33**	0.5000	1.831	99.6	2.302	1.13	04/23/2024
Cadmium		0.0010		**0.0509**	0.0500	0	101.8	0.04951	2.73	04/20/2024
Chromium		0.0015		**0.185**	0.2000	0.0008024	92.3	0.1856	0.06	04/23/2024
Cobalt		0.0010		**0.479**	0.5000	0	95.8	0.4646	3.02	04/20/2024
Lead		0.0010	B	**0.545**	0.5000	0	109.0	0.5431	0.32	04/20/2024
Lithium	*	0.0030		**0.570**	0.5000	0.07140	99.8	0.5627	1.36	04/23/2024
Molybdenum		0.0015		**0.478**	0.5000	0	95.6	0.4658	2.53	04/20/2024
Selenium		0.0010		**0.452**	0.5000	0	90.5	0.4450	1.66	04/23/2024
Thallium		0.0020		**0.257**	0.2500	0	102.6	0.2527	1.48	04/20/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24040437

Client Project: BAL-24Q2 **Report Date:** 17-May-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 221725 **SampType:** MBLK Units **mg/L**

SampID: MBLK-221725

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010	S	**0.0020**	0.0004	0	452.1	-100	100	04/23/2024
Antimony		0.0010		**< 0.0010**	0.0004	0	0	-100	100	04/24/2024
Arsenic		0.0010		**< 0.0010**	0.0004	0	0	-100	100	04/23/2024
Barium		0.0010		**< 0.0010**	0.0007	0	0	-100	100	04/23/2024
Beryllium		0.0010		**< 0.0010**	0.0002	0	0	-100	100	04/23/2024
Boron		0.0250		**< 0.0250**	0.0093	0	0	-100	100	04/23/2024
Cadmium		0.0010		**< 0.0010**	0.0001	0	0	-100	100	04/23/2024
Chromium		0.0015		**< 0.0015**	0.0007	0	0	-100	100	04/23/2024
Cobalt		0.0010		**< 0.0010**	0.0001	0	0	-100	100	04/23/2024
Iron		0.0250		**< 0.0250**	0.0115	0	0	-100	100	04/23/2024
Lead		0.0010		**< 0.0010**	0.0006	0	0	-100	100	04/23/2024
Lithium	*	0.0030		**< 0.0030**	0.0015	0	0	-100	100	04/23/2024
Manganese		0.0020		**< 0.0020**	0.0008	0	0	-100	100	04/23/2024
Molybdenum		0.0015		**< 0.0015**	0.0006	0	0	-100	100	04/23/2024
Selenium		0.0010		**< 0.0010**	0.0006	0	0	-100	100	04/23/2024
Thallium		0.0020		**< 0.0020**	0.0010	0	0	-100	100	04/23/2024

Batch 221725 **SampType:** LCS Units **mg/L**

SampID: LCS-221725

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010	B	**0.526**	0.5000	0	105.1	80	120	04/23/2024
Arsenic		0.0010		**0.521**	0.5000	0	104.3	80	120	04/23/2024
Barium		0.0010		**2.07**	2.000	0	103.5	80	120	04/23/2024
Beryllium		0.0010		**0.0486**	0.0500	0	97.2	80	120	04/23/2024
Boron		0.0250		**0.495**	0.5000	0	99.0	80	120	04/23/2024
Cadmium		0.0010		**0.0514**	0.0500	0	102.9	80	120	04/23/2024
Chromium		0.0015		**0.218**	0.2000	0	109.2	80	120	04/23/2024
Cobalt		0.0010		**0.504**	0.5000	0	100.9	80	120	04/23/2024
Iron		0.0250		**2.02**	2.000	0	101.2	80	120	04/23/2024
Lead		0.0010		**0.509**	0.5000	0	101.8	80	120	04/23/2024
Lithium	*	0.0030		**0.490**	0.5000	0	98.1	80	120	04/23/2024
Manganese		0.0020		**0.516**	0.5000	0	103.2	80	120	04/23/2024
Molybdenum		0.0015		**0.475**	0.5000	0	95.1	80	120	04/23/2024
Selenium		0.0010		**0.548**	0.5000	0	109.7	80	120	04/23/2024
Thallium		0.0020		**0.238**	0.2500	0	95.2	80	120	04/23/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24040437

Client Project: BAL-24Q2 **Report Date:** 17-May-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 221725 **SampType:** MS Units **mg/L**

SampID: 24040437-011CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		**0.523**	0.5000	0.002000	104.3	75	125	04/24/2024
Arsenic		0.0010		**0.516**	0.5000	0.0009114	103.1	75	125	04/23/2024
Barium		0.0010		**2.06**	2.000	0.03912	101.0	75	125	04/23/2024
Beryllium		0.0010		**0.0474**	0.0500	0	94.8	75	125	04/23/2024
Boron		0.0250		**0.634**	0.5000	0.2080	85.1	75	125	04/23/2024
Cadmium		0.0010		**0.0500**	0.0500	0	100.0	75	125	04/23/2024
Chromium		0.0015		**0.216**	0.2000	0.001013	107.3	75	125	04/23/2024
Cobalt		0.0010		**0.472**	0.5000	0.001572	94.1	75	125	04/23/2024
Iron		0.0250		**2.54**	2.000	0.7454	89.7	75	125	04/23/2024
Lead		0.0010		**0.490**	0.5000	0.0007691	97.9	75	125	04/23/2024
Lithium	*	0.0030		**0.476**	0.5000	0.01878	91.4	75	125	04/23/2024
Manganese		0.0020		**0.655**	0.5000	0.2397	83.1	75	125	04/23/2024
Molybdenum		0.0015		**0.461**	0.5000	0.001039	91.9	75	125	04/23/2024
Selenium		0.0010		**0.559**	0.5000	0	111.8	75	125	04/23/2024
Thallium		0.0020		**0.231**	0.2500	0	92.5	75	125	04/23/2024

Batch 221725 **SampType:** MSD Units **mg/L** RPD Limit: **20**

SampID: 24040437-011CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		0.0010		**0.527**	0.5000	0.002000	105.0	0.5233	0.72	04/24/2024
Arsenic		0.0010		**0.516**	0.5000	0.0009114	103.0	0.5162	0.02	04/23/2024
Barium		0.0010		**2.13**	2.000	0.03912	104.5	2.059	3.36	04/23/2024
Beryllium		0.0010		**0.0513**	0.0500	0	102.7	0.04742	7.92	04/23/2024
Boron		0.0250		**0.686**	0.5000	0.2080	95.6	0.6337	7.91	04/23/2024
Cadmium		0.0010		**0.0519**	0.0500	0	103.8	0.04998	3.79	04/23/2024
Chromium		0.0015		**0.209**	0.2000	0.001013	103.9	0.2157	3.25	04/23/2024
Cobalt		0.0010		**0.485**	0.5000	0.001572	96.8	0.4720	2.79	04/23/2024
Iron		0.0250		**2.63**	2.000	0.7454	94.4	2.539	3.65	04/23/2024
Lead		0.0010		**0.506**	0.5000	0.0007691	101.1	0.4905	3.20	04/23/2024
Lithium	*	0.0030		**0.516**	0.5000	0.01878	99.4	0.4758	8.02	04/23/2024
Manganese		0.0020		**0.676**	0.5000	0.2397	87.3	0.6551	3.16	04/23/2024
Molybdenum		0.0015		**0.484**	0.5000	0.001039	96.6	0.4607	4.93	04/23/2024
Selenium		0.0010		**0.534**	0.5000	0	106.9	0.5588	4.46	04/23/2024
Thallium		0.0020		**0.244**	0.2500	0	97.6	0.2312	5.39	04/23/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24040437

Client Project: BAL-24Q2 **Report Date:** 17-May-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 222030 **SampType:** MBLK Units **mg/L**
SampID: MBLK-222030

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	04/30/2024
Arsenic		0.0010		**< 0.0010**	0.0004	0	0	-100	100	04/29/2024
Cadmium		0.0010		**< 0.0010**	0.0001	0	0	-100	100	04/29/2024
Lead		0.0010		**< 0.0010**	0.0006	0	0	-100	100	04/30/2024
Manganese		0.0020		**< 0.0020**	0.0008	0	0	-100	100	04/29/2024
Selenium		0.0010		**< 0.0010**	0.0006	0	0	-100	100	04/29/2024
Thallium		0.0020		**< 0.0020**	0.0010	0	0	-100	100	04/29/2024

Batch 222030 **SampType:** LCS Units **mg/L**
SampID: LCS-222030

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		**0.508**	0.5000	0	101.5	85	115	04/30/2024
Arsenic		0.0010		**0.526**	0.5000	0	105.2	85	115	04/29/2024
Cadmium		0.0010		**0.0550**	0.0500	0	110.1	85	115	04/29/2024
Lead		0.0010	E	**0.519**	0.5000	0	103.8	85	115	04/30/2024
Manganese		0.0020		**0.530**	0.5000	0	106.0	85	115	04/29/2024
Selenium		0.0010		**0.546**	0.5000	0	109.2	85	115	04/29/2024
Thallium		0.0020		**0.261**	0.2500	0	104.3	85	115	04/29/2024

Batch 222030 **SampType:** MS Units **mg/L**
SampID: 24041957-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		**0.523**	0.5000	0.0004989	104.6	70	130	04/30/2024
Selenium		0.0010		**0.529**	0.5000	0.005890	104.6	70	130	04/30/2024
Thallium		0.0020		**0.261**	0.2500	0	104.5	70	130	04/30/2024

Batch 222030 **SampType:** MSD Units **mg/L** RPD Limit: **20**
SampID: 24041957-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		0.0010		**0.516**	0.5000	0.0004989	103.1	0.5234	1.42	04/30/2024
Selenium		0.0010		**0.524**	0.5000	0.005890	103.5	0.5291	1.06	04/30/2024
Thallium		0.0020		**0.259**	0.2500	0	103.7	0.2613	0.77	04/30/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24040437

Client Project: BAL-24Q2 **Report Date:** 17-May-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 222457 **SampType:** MBLK Units **mg/L**
SampID: MBLK-222457

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Barium		0.0010		**< 0.0010**	0.0007	0	0	-100	100	05/07/2024
Iron		0.0250		**< 0.0250**	0.0115	0	0	-100	100	05/07/2024

Batch 222457 **SampType:** LCS Units **mg/L**
SampID: LCS-222457

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Barium		0.0010		**2.24**	2.000	0	111.8	80	120	05/07/2024
Iron		0.0250		**1.96**	2.000	0	98.0	80	120	05/07/2024

SW-846 7470A (TOTAL)

Batch 221655 **SampType:** MBLK Units **mg/L**
SampID: MBLK-221655

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	04/19/2024

Batch 221655 **SampType:** LCS Units **mg/L**
SampID: LCS-221655

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00545**	0.0050	0	109.1	85	115	04/19/2024

Batch 221655 **SampType:** MS Units **mg/L**
SampID: 24040437-013CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00525**	0.0050	0	105.0	75	125	04/19/2024

Batch 221655 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24040437-013CMSD

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	0.005249	2.15	04/19/2024

Batch 221655 **SampType:** MS Units **mg/L**
SampID: 24040437-028BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00484**	0.0050	0	96.8	75	125	04/19/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24040437

Client Project: BAL-24Q2 **Report Date:** 17-May-24

SW-846 7470A (TOTAL)

Batch 221655 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24040437-028BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00485**	0.0050	0	97.0	0.004839	0.20	04/19/2024

Batch 221681 **SampType:** MBLK Units **mg/L**
SampID: MBLK-221681

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	04/19/2024

Batch 221681 **SampType:** LCS Units **mg/L**
SampID: LCS-221681

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00541**	0.0050	0	108.2	85	115	04/19/2024

Batch 221681 **SampType:** MS Units **mg/L**
SampID: 24041294-004BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00523**	0.0050	0	104.6	75	125	04/19/2024

Batch 221681 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24041294-004BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00514**	0.0050	0	102.8	0.005231	1.72	04/19/2024

Batch 221681 **SampType:** MS Units **mg/L**
SampID: 24041399-003BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00527**	0.0050	0	105.4	75	125	04/19/2024

Batch 221681 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24041399-003BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00505**	0.0050	0	101.1	0.005270	4.19	04/19/2024

Batch 221711 **SampType:** MBLK Units **mg/L**
SampID: MBLK-221711

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	04/23/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24040437

Client Project: BAL-24Q2 **Report Date:** 17-May-24

SW-846 7470A (TOTAL)

Batch 221711 **SampType:** LCS Units **mg/L**
SampID: LCS-221711

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00483**	0.0050	0	96.6	85	115	04/23/2024

Batch 221711 **SampType:** MS Units **mg/L**
SampID: 24040437-035BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00472**	0.0050	0	94.5	75	125	04/23/2024

Batch 221711 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24040437-035BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00470**	0.0050	0	93.9	0.004724	0.58	04/23/2024

Batch 221711 **SampType:** MS Units **mg/L**
SampID: 24041399-005BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00428**	0.0050	0	85.7	75	125	04/23/2024

Batch 221711 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24041399-005BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00423**	0.0050	0	84.6	0.004283	1.27	04/23/2024

Teklab, Inc. Environmental Laboratory

Receiving Check List

Client: Ramboll
Work Order: 24040437
Client Project: BAL-24Q2
Report Date: 17-May-24

Carrier: Justin Colp
Received By: NR

Completed by: Paul Schultz
On: 18-Apr-24

Reviewed by: Ellie Hopkins
On: 19-Apr-24

Pages to follow: Chain of custody 9 Extra pages included 0

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C 18.7
Type of thermal preservation?	None ☐	Ice ☑	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Reported field parameters measured:	Field ☑	Lab ☐	NA ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐		
When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.				
Water – at least one vial per sample has zero headspace?	Yes ☐	No ☐	No VOA vials ☑	
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☑	
Water - pH acceptable upon receipt?	Yes ☐	No ☑	NA ☐	
NPDES/CWA TCN interferences checked/treated in the field?	Yes ☐	No ☐	NA ☑	

Any No responses must be detailed below or on the COC.

Samples were received on 4/16/24 at 16:30 on ice [18.7 C - LTG#7]. - nickreed - 4/16/2024 5:10:49 PM

Additional Nitric Acid (97291) was needed in MW-104DR, MW-104SR, MW-304, MW-356, MW-366, MW-369, MW-370, MW-390, MW-392, MW-394, and MW-304 DUP upon arrival at the laboratory. pH strip #96651. - nickreed - 4/16/2024 5:11:48 PM

Samples were received on 4/17/2024 at 16:50 on ice [0.9C - LTG#5]. LM - pschultz - 4/18/2024 8:51:41 AM

pH strip #96651. - pschultz - 4/18/2024 8:52:39 AM

Additional Nitric Acid (97291) was needed in MW-150, MW-384, and PZ-170 upon arrival at the laboratory. - pschultz - 4/18/2024 8:52:43 AM

Samples were received on 4/18/2024 at 15:30 on ice [17.9C - LTG#7]. - pschultz - 4/19/2024 8:18:47 AM

pH strip #96651. - pschultz - 4/19/2024 8:20:25 AM

Field Blank and Equipment Blank 1 were filtered and preserved with Nitric Acid (97291) and left unpreserved for the dissolved parameters upon arrival at the laboratory. - pschultz - 4/19/2024 8:20:47 AM

24040437

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 3

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Baldwin	Report To:	Brian Voelker	Attention:	Kim Edmiaston
Address:	10901 Baldwin Road	Copy To:	Sam Davies-samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Baldwin, IL 62217		Kim Edmiaston-Kimberly.Edmiaston@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

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

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Requested Analysis Filtered (Y/N) Y/N	Analysis Test: BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-104DR X	WT	G	4/16/24	1347		4	2		2											X		24040437-001
2	MW-104SR X	WT	G	4/16/24	1432		4	2		2											X		24040437-002
3	MW-150	WT	G				4	2		2							X		X		X		24040437-003
4	MW-151	WT	G				4	2		2							X		X		X		24040437-004
5	MW-152	WT	G				4	2		2							X		X		X		24040437-005
6	MW-153	WT	G				4	2		2							X		X		X		24040437-006
7	MW-154	WT	G				4	2		2											X		24040437-007
8	MW-155	WT	G				4	2		2											X		24040437-008
9	MW-192 *	WT	G	4-16-24	1139		2	1		1							X		X				24040437-009
10	MW-193	WT	G	4-16-24	1044		2	1		1							X		X				24040437-010
11	MW-252	WT	G				4	2		2								X		X	X		24040437-011
12	MW-253	WT	G				4	2		2								X		X	X		24040437-012
13	MW-304 X	WT	G	4/16/24	1130		4	2		2							X	X	X	X	X		24040437-013
14	MW-306	WT	G				4	2		2							X	X	X	X	X		24040437-014
15	MW-350	WT	G				4	2		2								X		X	X		24040437-015
16	MW-352	WT	G				4	2		2								X		X	X		24040437-016

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
BAL-24Q2 Rev 0	J. Cdp	4-16	1630	Mark Reed	4/16	1630	7 / 14

SAMPLER NAME AND SIGNATURE			Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Justin Cdp					
SIGNATURE of SAMPLER:	Justin Cdp	DATE Signed (MM/DD/YY): 4-16-24				

* No volume added to the preserved container in the field. Sample was split upon arrival.
ph: 96651
X Added HNO_3 (97291) LM 4/16

LTG#7

CHAIN-OF-CUSTODY / Analytical Request Document

Confidential

24040437

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-Baldwin	Report To:	Brian Voelker	Attention:	Kim Edmiaston
Address:	10901 Baldwin Road	Copy To:	Sam Davies-samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Baldwin, IL 62217		Kim Edmiaston-Kimberly.Edmiaston@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

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

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

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE		MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-355		WT	G				4	2		2										X			24040437-017
2	MW-356	X	WT	G	4-16-24	1223		2	1		1							X		X				24040437-018
3	MW-358		WT	G				2	1		1							X	X	X	X			24040437-019
4	MW-366	X	WT	G	4-16-24	1443		2	1		1								X		X			24040437-020
5	MW-369	X	WT	G	4-16-24	1318		2	1		1							X		X				24040437-021
6	MW-370	X	WT	G	4-16-24	1339		2	1		1							X		X				24040437-022
7	MW-375		WT	G				2	1		1								X		X			24040437-023
8	MW-377		WT	G				2	1		1								X		X			24040437-024
9	MW-382		WT	G				2	1		1							X		X				24040437-025
10	MW-383		WT	G				2	1		1								X		X			24040437-026
11	MW-384		WT	G				2	1		1								X		X			24040437-027
12	MW-390	X	WT	G	4-16-24	1419		2	1		1								X		X			24040437-028
13	MW-391		WT	G				2	1		1								X		X			24040437-029
14	MW-392	X	WT	G	4-16-24	1152		2	1		1							X		X				24040437-030
15	MW-393	X	WT	G	4-16-24	1104		2	1		1							X		X				24040437-031
16	MW-394	X	WT	G	4-16-24	1010		2	1		1							X		X				24040437-032

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
BAL-24Q2 Rev 0	J. Colp	4-16	1630	Nina Reed	4/16	1630				

SAMPLER NAME AND SIGNATURE			Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Justin Colp					
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY): 4-16-24				

CHAIN-OF-CUSTODY / Analytical Request Document

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

24040437

Page: 3 BAL-257-601 3

Section A Required Client Information:

Company:	Vistra Corp-Baldwin
Address:	10901 Baldwin Road
	Baldwin, IL 62217
Email To:	Brian.Voelker@VistraCorp.com
Phone: (217) 753-8911	Fax:
Requested Due Date/TAT:	10 day

Section B Required Project Information:

Report To:	Brian Voelker
Copy To:	Sam Davies-samantha.davies@vistracorp.com
	Kim Edmiaston-Kimberly.Edmiaston@vistracorp.com
Purchase Order No.:	
Project Name:	
Project Number:	2285

Section C Invoice Information:

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

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

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

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: BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	OW-156	WT	G				0														X		24040437-033
2	OW-157	WT	G				0														X		24040437-034
3	OW-256	WT	G				2	1		1							X		X				24040437-035
4	OW-257	WT	G				2	1		1							X		X				24040437-036
5	PZ-170	WT	G				2	1		1							X		X				24040437-037
6	PZ-182	WT	G				2	1		1							X		X				24040437-038
7	TPZ-164	WT	G				2	1		1							X		X				24040437-039
8	XPW01	WT	G				2	1		1							X		X				24040437-040
9	XPW05	WT	G				2	1		1							X		X				24040437-041
10	XPW06	WT	G				2	1		1							X		X				24040437-042
11	+ Field Blank	WT	G				4	3		1							X	X	X	X	X		24040437-043
12	MW-304 Duplicate X	WT	G	4/16/24	1130		4	2		2							X	X	X	X	X		24040437-044
13	+ Equipment Blank 1	WT	G				4	3		1							X	X	X	X	X		24040437-045
14	+ Equipment Blank 2	WT	G				4	3		1							X	X	X	X	X		24040437-046
15	+ Equipment Blank 3	WT	G				4	3		1							X	X	X	X	X		24040437-047
16																							

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
BAL-24Q2 Rev 0	J. Colp	4/16/24	1630	Brian Reed	4/16	1630				
+ Filter blanks @ lab. EMT 4/16/24										

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: Justin Colp DATE Signed (MM/DD/YY):

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

24040437

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-Baldwin	Report To:	Brian Voelker	Attention:	Kim Edmiaston
Address:	10901 Baldwin Road	Copy To:	Sam Davies-samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Baldwin, IL 62217		Kim Edmiaston-Kimberly.Edmiaston@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

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

Site Location STATE: IL

Requested Analysis Filtered (Y/N)

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

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-104DR	WT	G				4	2		2											X		24040437-001
2	MW-104SR	WT	G				4	2		2											X		24040437-002
3	MW-150	WT	G	4-17-24	1144		4	2		2								X		X	X		24040437-003
4	MW-151	WT	G				4	2		2								X		X	X		24040437-004
5	MW-152	WT	G				4	2		2								X		X	X		24040437-005
6	MW-153	WT	G				4	2		2								X		X	X		24040437-006
7	MW-154	WT	G				4	2		2											X		24040437-007
8	MW-155	WT	G	4-17-24	1255		4	2		2											X		24040437-008
9	MW-192	WT	G				2	1		1							X		X				24040437-009
10	MW-193	WT	G				2	1		1							X		X				24040437-010
11	MW-252	WT	G				4	2		2								X		X	X		24040437-011
12	MW-253	WT	G				4	2		2								X		X	X		24040437-012
13	MW-304	WT	G				4	2		2							X	X	X	X	X		24040437-013
14	MW-306	WT	G				4	2		2							X	X	X	X	X		24040437-014
15	MW-350	WT	G				4	2		2								X		X	X		24040437-015
16	MW-352	WT	G				4	2		2								X		X	X		24040437-016

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
BAL-24Q2 Rev 0	J. Colp	4-17	1650	[signature]	4/17/24	1650	#5	Y	N	
							0.9	X		

pH w 9665

Added HNO3 to samples MW-150, MW-304, P2-170

JS 4/18/24

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Justin Colp		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
SIGNATURE of SAMPLER:	[signature]	DATE Signed (MM/DD/YY): 4-17-24				

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Baldwin	Report To:	Brian Voelker	Attention:	Kim Edmiaston
Address:	10901 Baldwin Road	Copy To:	Sam Davies-samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Baldwin, IL 62217		Kim Edmiaston-Kimberly.Edmiaston@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

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

Site Location STATE: IL

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

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Requested Analysis Filtered (Y/N) Y/N	Analysis Test: BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-355	WT	G	4-17-24	1223		4	2		2											X		24040437-017
2	MW-356	WT	G				2	1		1							X		X				24040437-018
3	MW-358	WT	G	4-17-24	1017		2	1		1							X	X	X	X			24040437-019
4	MW-366	WT	G				2	1		1								X		X			24040437-020
5	MW-369	WT	G				2	1		1							X		X				24040437-021
6	MW-370	WT	G				2	1		1							X		X				24040437-022
7	MW-375	WT	G	4-17-24	1347		2	1		1								X		X			24040437-023
8	MW-377	WT	G	4/17/24	1426		2	1		1								X		X			24040437-024
9	MW-382	WT	G	4/17/24	1307		2	1		1							X		X				24040437-025
10	MW-383	WT	G	4-17-24	1052		2	1		1								X		X			24040437-026
11	MW-384	WT	G	4-17-24	1117		2	1		1								X		X			24040437-027
12	MW-390	WT	G				2	1		1								X		X			24040437-028
13	MW-391	WT	G				2	1		1								X		X			24040437-029
14	MW-392	WT	G				2	1		1							X		X				24040437-030
15	MW-393	WT	G				2	1		1							X		X				24040437-031
16	MW-394	WT	G				2	1		1							X		X				24040437-032

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
BAL-24Q2 Rev 0	J. Cole	4-17	1650		4/17/24	1650				

SAMPLER NAME AND SIGNATURE			Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	JUSTIN COLE					
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY): 4-17-24				

CHAIN-OF-CUSTODY / Analytical Request Document

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

24040437

Page: 3 BAL-257-601 3

Section A Required Client Information:

Company:	Vistra Corp-Baldwin
Address:	10901 Baldwin Road
	Baldwin, IL 62217
Email To:	Brian.Voelker@VistraCorp.com
Phone: (217) 753-8911	Fax:
Requested Due Date/TAT:	10 day

Section B Required Project Information:

Report To:	Brian Voelker
Copy To:	Sam Davies-samantha.davies@vistracorp.com
	Kim Edmiaston-Kimberly.Edmiaston@vistracorp.com
Purchase Order No.:	
Project Name:	
Project Number:	2285

Section C Invoice Information:

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

REGULATORY AGENCY

NPDES **GROUND WATER** DRINKING WATER

UST RCRA OTHER

Site Location **STATE:** IL

Section D Required Client Information

Valid Matrix Codes

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

SAMPLE ID

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

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	BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	OW-156	WT	G	4/17/24	1524		0														X		24040437-033
2	OW-157	WT	G	4/17/24	1515		0														X		24040437-034
3	OW-256	WT	G	4-17-24	1500		2	1		1							X		X				24040437-035
4	OW-257	WT	G	4-17-24	1429		2	1		1							X		X				24040437-036
5	PZ-170	WT	G	4/17/24	1045		2	1		1							X		X				24040437-037
6	PZ-182	WT	G	4/17/24	1158		2	1		1							X		X				24040437-038
7	TPZ-164	WT	G				2	1		1							X		X				24040437-039
8	XPW01	WT	G				2	1		1							X		X				24040437-040
9	XPW05	WT	G				2	1		1							X		X				24040437-041
10	XPW06	WT	G				2	1		1							X		X				24040437-042
11	+ Field Blank	WT	G				4	3		1							X	X	X	X	X		24040437-043
12	MW-304 Duplicate	WT	G				4	2		2							X	X	X	X	X		24040437-044
13	+ Equipment Blank 1	WT	G				4	3		1							X	X	X	X	X		24040437-045
14	+ Equipment Blank 2	WT	G				4	3		1							X	X	X	X	X		24040437-046
15	+ Equipment Blank 3	WT	G				4	3		1							X	X	X	X	X		24040437-047
16																							

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
BAL-24Q2 Rev 0	J. Colp	4-17	1650		4/17/24	1650
+ Filter Blanks @ lab Sent 4/16/24						

SAMPLE CONDITIONS: Y / N

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Justin Colp				
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY):	4-17-24		

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

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 3

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Baldwin	Report To:	Brian Voelker	Attention:	Kim Edmiaston
Address:	10901 Baldwin Road	Copy To:	Sam Davies-samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Baldwin, IL 62217		Kim Edmiaston-Kimberly.Edmiaston@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

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

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / , -) Sample IDs MUST BE UNIQUE	Valid Matrix Codes: DRINKING WATER DW, WATER WT, WASTE WATER WW, PRODUCT P, SOIL/SOLID SL, OIL CL, WIPE WP, AIR AR, OTHER OT, TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-WPCP-605								Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-104DR		WT	G				4	2		2										X								24040437-001
2	MW-104SR		WT	G				4	2		2										X								24040437-002
3	MW-150		WT	G				4	2		2							X		X	X								24040437-003
4	MW-151		WT	G	4-18-24	1145		4	2		2							X		X	X								24040437-004
5	MW-152		WT	G	4-18-24	1041		4	2		2							X		X	X								24040437-005
6	MW-153		WT	G	4/18/24	1047		4	2		2							X		X	X								24040437-006
7	MW-154		WT	G				4	2		2										X								24040437-007
8	MW-155		WT	G				4	2		2										X								24040437-008
9	MW-192		WT	G				2	1		1							X		X									24040437-009
10	MW-193		WT	G				2	1		1							X		X									24040437-010
11	MW-252		WT	G	4-18-24	1058		4	2		2								X		X	X							24040437-011
12	MW-253		WT	G				4	2		2								X		X	X							24040437-012
13	MW-304		WT	G				4	2		2							X	X	X	X	X							24040437-013
14	MW-306		WT	G				4	2		2							X	X	X	X	X							24040437-014
15	MW-350		WT	G				4	2		2								X		X	X							24040437-015
16	MW-352		WT	G	4-18-24	1120		4	2		2								X		X	X							24040437-016

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)
BAL-24Q2 Rev 0	J. Colp	4-18	1530	Whitney King	4/18	1530	17.9	Y	N	
							17.7			

SAMPLER NAME AND SIGNATURE		
PRINT Name of SAMPLER:	Justin Colp	
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY): 4-18-24

pH 9.645

filtered preserved w/ HNO3 for FB & EQ1

filtered for unpreserved analysis for FB & EQ1

PS 4/19/24

CHAIN-OF-CUSTODY / Analytical Request Document

Confidential

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

Page: 2 of 3 BAL-257-601

Section A Required Client Information:

Company:	Vistra Corp-Baldwin
Address:	10901 Baldwin Road
	Baldwin, IL 62217
Email To:	Brian.Voelker@VistraCorp.com
Phone: (217) 753-8911	Fax:
Requested Due Date/TAT:	10 day

Section B Required Project Information:

Report To:	Brian Voelker
Copy To:	Sam Davies-samantha.davies@vistracorp.com
	Kim Edmiaston-Kimberly.Edmiaston@vistracorp.com
Purchase Order No.:	
Project Name:	
Project Number:	2285

Section C Invoice Information:

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

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Valid matrix Codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; 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	BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-355	WT	G				4	2		2											X		24040437-017
2	MW-356	WT	G				2	1		1							X		X				24040437-018
3	MW-358	WT	G				2	1		1							X	X	X	X			24040437-019
4	MW-366	WT	G				2	1		1								X		X			24040437-020
5	MW-369	WT	G				2	1		1							X		X				24040437-021
6	MW-370	WT	G				2	1		1							X		X				24040437-022
7	MW-375	WT	G				2	1		1								X		X			24040437-023
8	MW-377	WT	G				2	1		1								X		X			24040437-024
9	MW-382	WT	G				2	1		1							X		X				24040437-025
10	MW-383	WT	G				2	1		1								X		X			24040437-026
11	MW-384	WT	G				2	1		1								X		X			24040437-027
12	MW-390	WT	G				2	1		1								X		X			24040437-028
13	MW-391 DRY	WT	G	4/18/24	935		2	1		1								X		X			24040437-029
14	MW-392	WT	G				2	1		1							X		X				24040437-030
15	MW-393	WT	G				2	1		1							X		X				24040437-031
16	MW-394	WT	G				2	1		1							X		X				24040437-032

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
BAL-24Q2 Rev 0	J. Colp	4-18	1530	Whitney Ollinger	4/18	1530	17.9 (Y) N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: Justin Colp DATE Signed (MM/DD/YY): 4-18-24

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.

24040437

Page: 3 of 3
BAL-257-601

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:	
Company: Vistra Corp-Baldwin	Report To: Brian Voelker	Attention: Kim Edmiaston	REGULATORY AGENCY
Address: 10901 Baldwin Road	Copy To: Sam Davies-samantha.davies@vistracorp.com	Company Name: Vistra Corp	NPDES GROUND WATER DRINKING WATER
Baldwin, IL 62217	Kim Edmiaston-Kimberly.Edmiaston@vistracorp.com	Address: see Section A	UST RCRA OTHER
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:	
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:	Site Location STATE: IL
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:	

Section D Required Client Information

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

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: BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	OW-156	WT	G				0														X		24040437-033
2	OW-157	WT	G				0														X		24040437-034
3	OW-256	WT	G				2	1		1							X		X				24040437-035
4	OW-257	WT	G				2	1		1							X		X				24040437-036
5	PZ-170	WT	G				2	1		1							X		X				24040437-037
6	PZ-182	WT	G				2	1		1							X		X				24040437-038
7	TPZ-164	WT	G	4/18/24	1229		2	1		1							X		X				24040437-039
8	XPW01	WT	G	4-18-24	0841		2	1		1							X		X				24040437-040
9	XPW05	WT	G	4-18-24	0920		2	1		1							X		X				24040437-041
10	XPW06	WT	G	4-18-24	0947		2	1		1							X		X				24040437-042
11	+ Field Blank	WT	G	4-18-24	1145		4	3		1							X	X	X	X	X		24040437-043
12	MW-304 Duplicate	WT	G				4	2		2							X	X	X	X	X		24040437-044
13	+ Equipment Blank 1	WT	G	4-18-24	1520		4	3		1							X	X	X	X	X		24040437-045
14	+ Equipment Blank 2	WT	G				4	3		1							X	X	X	X	X		24040437-046
15	+ Equipment Blank 3	WT	G				4	3		1							X	X	X	X	X		24040437-047
16																							

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
BAL-24Q2 Rev 0	J. Cdp	4-18	1530	Whitney Ohmer	4/18	1530	17.9	(Y)	N	
+ Filter Blanks @ lab. EAM 4/19/24										

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Justin Cdp					
SIGNATURE of SAMPLER:	DATE Signed (MM/DD/YY): 4-18-24				

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

May 20, 2024

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

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

RE: BAL-24Q2 **WorkOrder:** 24040438

Dear Eric Bauer:

TEKLAB, INC received 34 samples on 4/18/2024 3:30:00 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
Client Project: BAL-24Q2

Work Order: 24040438
Report Date: 20-May-24

This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	5
Accreditations	6
Laboratory Results	7
Sample Summary	37
Receiving Check List	38
Chain of Custody	Appended

Definitions

Client: Ramboll **Work Order:** 24040438

Client Project: BAL-24Q2 **Report Date:** 20-May-24

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

Definitions

Client: Ramboll **Work Order:** 24040438

Client Project: BAL-24Q2 **Report Date:** 20-May-24

Qualifiers

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

Case Narrative

Client: Ramboll
Client Project: BAL-24Q2

Work Order: 24040438
Report Date: 20-May-24

Cooler Receipt Temp: 18.7 °C

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

Per Chase Christenson, cancel sampling of MW-253, MW-306, and MW-350. EAH 4/17/24

MW-391 could not be collected; the well was dry. Equipment Blanks 2 and 3 were not needed. PS/EAH 4/19/24

Ra226/228 analyses were performed by Eurofins St. Louis. See attached report for results.

Locations

Collinsville

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

Springfield

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

Kansas City

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

Collinsville Air

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

Chicago

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

Accreditations

Client: Ramboll **Work Order:** 24040438

Client Project: BAL-24Q2 **Report Date:** 20-May-24

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2025	Collinsville
Illinois	IEPA	1004652024-2	NELAP	4/30/2025	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2025	Collinsville
Louisiana	LDEQ	05002	NELAP	6/30/2024	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2024	Collinsville
Oklahoma	ODEQ	9978	NELAP	8/31/2024	Collinsville
Arkansas	ADEQ	88-0966		3/14/2025	Collinsville
Illinois	IDPH	17584		5/31/2025	Collinsville
Iowa	IDNR	430		6/1/2024	Collinsville
Kentucky	UST	0073		1/31/2025	Collinsville
Mississippi	MSDH			4/30/2025	Collinsville
Missouri	MDNR	930		1/31/2025	Collinsville
Missouri	MDNR	00930		10/31/2026	Collinsville

Laboratory Results

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

Client: Ramboll **Work Order:** 24040438

Client Project: BAL-24Q2 **Report Date:** 20-May-24

Lab ID: 24040438-001 **Client Sample ID:** MW-150

Matrix: GROUNDWATER **Collection Date:** 04/17/2024 11:44

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	05/14/2024 11:51	R347550

Laboratory Results

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

Client: Ramboll **Work Order:** 24040438

Client Project: BAL-24Q2 **Report Date:** 20-May-24

Lab ID: 24040438-002 **Client Sample ID:** MW-151

Matrix: GROUNDWATER **Collection Date:** 04/18/2024 11:45

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	05/14/2024 11:51	R347550

Laboratory Results

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

Client: Ramboll **Work Order:** 24040438

Client Project: BAL-24Q2 **Report Date:** 20-May-24

Lab ID: 24040438-003 **Client Sample ID:** MW-152

Matrix: GROUNDWATER **Collection Date:** 04/18/2024 10:41

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	05/14/2024 11:51	R347550

Laboratory Results

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

Client: Ramboll **Work Order:** 24040438

Client Project: BAL-24Q2 **Report Date:** 20-May-24

Lab ID: 24040438-004 **Client Sample ID:** MW-153

Matrix: GROUNDWATER **Collection Date:** 04/18/2024 10:47

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	05/14/2024 11:51	R347550

Laboratory Results

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

Client: Ramboll **Work Order:** 24040438

Client Project: BAL-24Q2 **Report Date:** 20-May-24

Lab ID: 24040438-005 **Client Sample ID:** MW-192

Matrix: GROUNDWATER **Collection Date:** 04/16/2024 11:39

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	05/14/2024 11:52	R347550

Laboratory Results

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

Client: Ramboll
Work Order: 24040438
Client Project: BAL-24Q2
Report Date: 20-May-24
Lab ID: 24040438-006
Client Sample ID: MW-193
Matrix: GROUNDWATER
Collection Date: 04/16/2024 10:44

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	05/14/2024 11:52	R347550

Laboratory Results

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

Client: Ramboll **Work Order:** 24040438

Client Project: BAL-24Q2 **Report Date:** 20-May-24

Lab ID: 24040438-007 **Client Sample ID:** MW-252

Matrix: GROUNDWATER **Collection Date:** 04/18/2024 10:58

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	05/14/2024 11:52	R347550

Laboratory Results

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

Client: Ramboll **Work Order:** 24040438

Client Project: BAL-24Q2 **Report Date:** 20-May-24

Lab ID: 24040438-009 **Client Sample ID:** MW-304

Matrix: GROUNDWATER **Collection Date:** 04/16/2024 11:30

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	05/14/2024 11:52	R347550

Laboratory Results

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

Client: Ramboll
Work Order: 24040438
Client Project: BAL-24Q2
Report Date: 20-May-24
Lab ID: 24040438-012
Client Sample ID: MW-352
Matrix: GROUNDWATER
Collection Date: 04/18/2024 11:20

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	05/14/2024 11:52	R347550

Laboratory Results

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

Client: Ramboll **Work Order:** 24040438

Client Project: BAL-24Q2 **Report Date:** 20-May-24

Lab ID: 24040438-013 **Client Sample ID:** MW-356

Matrix: GROUNDWATER **Collection Date:** 04/16/2024 12:23

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	05/14/2024 11:52	R347550

Laboratory Results

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

Client: Ramboll **Work Order:** 24040438

Client Project: BAL-24Q2 **Report Date:** 20-May-24

Lab ID: 24040438-014 **Client Sample ID:** MW-358

Matrix: GROUNDWATER **Collection Date:** 04/17/2024 10:17

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	05/14/2024 11:53	R347550

Laboratory Results

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

Client: Ramboll **Work Order:** 24040438

Client Project: BAL-24Q2 **Report Date:** 20-May-24

Lab ID: 24040438-015 **Client Sample ID:** MW-366

Matrix: GROUNDWATER **Collection Date:** 04/16/2024 14:43

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	05/14/2024 11:53	R347550

Laboratory Results

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

Client: Ramboll **Work Order:** 24040438

Client Project: BAL-24Q2 **Report Date:** 20-May-24

Lab ID: 24040438-016 **Client Sample ID:** MW-369

Matrix: GROUNDWATER **Collection Date:** 04/16/2024 13:18

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	05/14/2024 11:53	R347550

Laboratory Results

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

Client: Ramboll **Work Order:** 24040438

Client Project: BAL-24Q2 **Report Date:** 20-May-24

Lab ID: 24040438-017 **Client Sample ID:** MW-370

Matrix: GROUNDWATER **Collection Date:** 04/16/2024 13:39

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	05/14/2024 11:54	R347550

Laboratory Results

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

Client: Ramboll **Work Order:** 24040438

Client Project: BAL-24Q2 **Report Date:** 20-May-24

Lab ID: 24040438-018 **Client Sample ID:** MW-375

Matrix: GROUNDWATER **Collection Date:** 04/17/2024 13:47

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	05/14/2024 11:54	R347550

Laboratory Results

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

Client: Ramboll **Work Order:** 24040438

Client Project: BAL-24Q2 **Report Date:** 20-May-24

Lab ID: 24040438-019 **Client Sample ID:** MW-377

Matrix: GROUNDWATER **Collection Date:** 04/17/2024 14:26

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	05/14/2024 11:54	R347550

Laboratory Results

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

Client: Ramboll **Work Order:** 24040438

Client Project: BAL-24Q2 **Report Date:** 20-May-24

Lab ID: 24040438-020 **Client Sample ID:** MW-382

Matrix: GROUNDWATER **Collection Date:** 04/17/2024 13:07

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	05/14/2024 11:54	R347550

Laboratory Results

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

Client: Ramboll **Work Order:** 24040438

Client Project: BAL-24Q2 **Report Date:** 20-May-24

Lab ID: 24040438-021 **Client Sample ID:** MW-383

Matrix: GROUNDWATER **Collection Date:** 04/17/2024 10:52

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	05/14/2024 11:54	R347550

Laboratory Results

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

Client: Ramboll **Work Order:** 24040438

Client Project: BAL-24Q2 **Report Date:** 20-May-24

Lab ID: 24040438-022 **Client Sample ID:** MW-384

Matrix: GROUNDWATER **Collection Date:** 04/17/2024 11:17

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	05/14/2024 11:54	R347550

Laboratory Results

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

Client: Ramboll **Work Order:** 24040438

Client Project: BAL-24Q2 **Report Date:** 20-May-24

Lab ID: 24040438-023 **Client Sample ID:** MW-390

Matrix: GROUNDWATER **Collection Date:** 04/16/2024 14:19

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	05/14/2024 11:54	R347550

Laboratory Results

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

Client: Ramboll **Work Order:** 24040438

Client Project: BAL-24Q2 **Report Date:** 20-May-24

Lab ID: 24040438-025 **Client Sample ID:** MW-392

Matrix: GROUNDWATER **Collection Date:** 04/16/2024 11:52

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	05/14/2024 12:03	R347550

Laboratory Results

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

Client: Ramboll **Work Order:** 24040438

Client Project: BAL-24Q2 **Report Date:** 20-May-24

Lab ID: 24040438-026 **Client Sample ID:** MW-393

Matrix: GROUNDWATER **Collection Date:** 04/16/2024 11:04

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	05/14/2024 12:03	R347550

Laboratory Results

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

Client: Ramboll **Work Order:** 24040438

Client Project: BAL-24Q2 **Report Date:** 20-May-24

Lab ID: 24040438-027 **Client Sample ID:** MW-394

Matrix: GROUNDWATER **Collection Date:** 04/16/2024 10:10

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	05/14/2024 12:03	R347550

Laboratory Results

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

Client: Ramboll **Work Order:** 24040438

Client Project: BAL-24Q2 **Report Date:** 20-May-24

Lab ID: 24040438-028 **Client Sample ID:** OW-256

Matrix: GROUNDWATER **Collection Date:** 04/17/2024 15:00

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	05/14/2024 12:03	R347550

Laboratory Results

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

Client: Ramboll **Work Order:** 24040438

Client Project: BAL-24Q2 **Report Date:** 20-May-24

Lab ID: 24040438-029 **Client Sample ID:** OW-257

Matrix: GROUNDWATER **Collection Date:** 04/17/2024 14:29

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	05/14/2024 12:03	R347550

Laboratory Results

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

Client: Ramboll **Work Order:** 24040438

Client Project: BAL-24Q2 **Report Date:** 20-May-24

Lab ID: 24040438-030 **Client Sample ID:** PZ-170

Matrix: GROUNDWATER **Collection Date:** 04/17/2024 10:45

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	05/14/2024 12:04	R347550

Laboratory Results

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

Client: Ramboll **Work Order:** 24040438

Client Project: BAL-24Q2 **Report Date:** 20-May-24

Lab ID: 24040438-031 **Client Sample ID:** PZ-182

Matrix: GROUNDWATER **Collection Date:** 04/17/2024 11:58

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	05/14/2024 12:04	R347550

Laboratory Results

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

Client: Ramboll **Work Order:** 24040438

Client Project: BAL-24Q2 **Report Date:** 20-May-24

Lab ID: 24040438-032 **Client Sample ID:** Field Blank

Matrix: AQUEOUS **Collection Date:** 04/18/2024 11:45

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	05/14/2024 12:04	R347550

Laboratory Results

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

Client: Ramboll
Work Order: 24040438
Client Project: BAL-24Q2
Report Date: 20-May-24
Lab ID: 24040438-033
Client Sample ID: MW-304 Duplicate
Matrix: GROUNDWATER
Collection Date: 04/16/2024 11:30

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	05/14/2024 12:04	R347550

Laboratory Results

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

Client: Ramboll
Work Order: 24040438
Client Project: BAL-24Q2
Report Date: 20-May-24
Lab ID: 24040438-034
Client Sample ID: Equipment Blank 1
Matrix: AQUEOUS
Collection Date: 04/18/2024 15:20

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	05/14/2024 12:16	R347550

Teklab, Inc. Environmental Laboratory

Sample Summary

Client: Ramboll
Client Project: BAL-24Q2

Work Order: 24040438
Report Date: 20-May-24

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
24040438-001	MW-150	Groundwater	1	04/17/2024 11:44
24040438-002	MW-151	Groundwater	1	04/18/2024 11:45
24040438-003	MW-152	Groundwater	1	04/18/2024 10:41
24040438-004	MW-153	Groundwater	1	04/18/2024 10:47
24040438-005	MW-192	Groundwater	1	04/16/2024 11:39
24040438-006	MW-193	Groundwater	1	04/16/2024 10:44
24040438-007	MW-252	Groundwater	1	04/18/2024 10:58
24040438-008	MW-253	Groundwater	1	
24040438-009	MW-304	Groundwater	1	04/16/2024 11:30
24040438-010	MW-306	Groundwater	1	
24040438-011	MW-350	Groundwater	1	
24040438-012	MW-352	Groundwater	1	04/18/2024 11:20
24040438-013	MW-356	Groundwater	1	04/16/2024 12:23
24040438-014	MW-358	Groundwater	1	04/17/2024 10:17
24040438-015	MW-366	Groundwater	1	04/16/2024 14:43
24040438-016	MW-369	Groundwater	1	04/16/2024 13:18
24040438-017	MW-370	Groundwater	1	04/16/2024 13:39
24040438-018	MW-375	Groundwater	1	04/17/2024 13:47
24040438-019	MW-377	Groundwater	1	04/17/2024 14:26
24040438-020	MW-382	Groundwater	1	04/17/2024 13:07
24040438-021	MW-383	Groundwater	1	04/17/2024 10:52
24040438-022	MW-384	Groundwater	1	04/17/2024 11:17
24040438-023	MW-390	Groundwater	1	04/16/2024 14:19
24040438-024	MW-391	Groundwater	1	04/18/2024 9:35
24040438-025	MW-392	Groundwater	1	04/16/2024 11:52
24040438-026	MW-393	Groundwater	1	04/16/2024 11:04
24040438-027	MW-394	Groundwater	1	04/16/2024 10:10
24040438-028	OW-256	Groundwater	1	04/17/2024 15:00
24040438-029	OW-257	Groundwater	1	04/17/2024 14:29
24040438-030	PZ-170	Groundwater	1	04/17/2024 10:45
24040438-031	PZ-182	Groundwater	1	04/17/2024 11:58
24040438-032	Field Blank	Aqueous	1	04/18/2024 11:45
24040438-033	MW-304 Duplicate	Groundwater	1	04/16/2024 11:30
24040438-034	Equipment Blank 1	Aqueous	1	04/18/2024 15:20

Receiving Check List

Client: Ramboll
Client Project: BAL-24Q2

Work Order: 24040438
Report Date: 20-May-24

Carrier: Justin Colp

Received By: PRS

Completed by: Paul Schultz
On: 16-Apr-24

Reviewed by: Ellie Hopkins
On: 19-Apr-24

Pages to follow: Chain of custody 9 Extra pages included 34

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C 18.7
Type of thermal preservation?	None ☐	Ice ☑	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Reported field parameters measured:	Field ☐	Lab ☐	NA ☑	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐		
When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.				
Water – at least one vial per sample has zero headspace?	Yes ☐	No ☐	No VOA vials ☑	
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☑	
Water - pH acceptable upon receipt?	Yes ☐	No ☑	NA ☐	
NPDES/CWA TCN interferences checked/treated in the field?	Yes ☐	No ☐	NA ☑	

Any No responses must be detailed below or on the COC.

pH strip #96651. LH - pschultz - 4/16/2024 4:53:19 PM

Additional Nitirc Acid (97291) was needed in MW-304, MW-393, MW-394, and MW-304 Duplicate upon arrival at the laboratory. LH - pschultz - 4/16/2024 4:53:38 PM

Samples were received on 4/17/2024 at 16:50 on ice [0.9C - LTG#5]. LM - pschultz - 4/18/2024 8:36:39 AM

pH strip #96651. - pschultz - 4/18/2024 8:37:46 AM

Additional Nitric Acid (97291) was needed in MW-150, MW-358, MW-383, MW-384, PZ-170, and PZ-182 upon arrival at the laboratory. - pschultz - 4/18/2024 8:38:03 AM

Samples were received on 4/18/2024 at 15:30 on ice [17.9C - LTG#7]. - pschultz - 4/19/2024 8:36:41 AM

pH strip #96651. - pschultz - 4/19/2024 8:37:30 AM

24040438

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 3

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Baldwin	Report To:	Brian Voelker	Attention:	Kim Edmiaston
Address:	10901 Baldwin Road	Copy To:	Sam Davies-samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Baldwin, IL 62217		Kim Edmiaston-Kimberly.Edmiaston@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY		
NPDES	GROUND WATER	DRINKING WATER
UST	RCRA	OTHER

Site Location STATE: IL

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

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-104DR	WT	G	4/16/24	1347																X		N/A
2	MW-104SR	WT	G	4/16/24	1432																X		N/A
3	MW-150	WT	G				2			2								X		X	X		24040438-001
4	MW-151	WT	G				2			2								X		X	X		24040438-002
5	MW-152	WT	G				2			2								X		X	X		24040438-003
6	MW-153	WT	G				2			2								X		X	X		24040438-004
7	MW-154	WT	G																		X		N/A
8	MW-155	WT	G																		X		N/A
9	MW-192	WT	G	4-16-24	1139		2			2							X		X				24040438-005
10	MW-193	WT	G	4-16-24	1044		2			2							X		X				24040438-006
11	MW-252	WT	G				2			2								X		X	X		24040438-007
12	MW-253	WT	G				2			2								X		X	X		24040438-008
13	MW-304	WT	G	4/16/24	1130		2			2							X	X	X	X	X		24040438-009
14	MW-306	WT	G				2			2							X	X	X	X	X		24040438-010
15	MW-350	WT	G				2			2								X		X	X		24040438-011
16	MW-352	WT	G				2			2								X		X	X		24040438-012

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
BAL-24Q2 Rev 0	J. Colp	4-16	1630	Paul Eakley	4/16	1630	
Radium 226/228, only							18.7

SAMPLER NAME AND SIGNATURE			Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Justin Colp					
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY): 4-16-24				

PW94651

added HNO3 to samples MW-304, MW-393, MW-394 MW-304 Dup (9729)

LTG

CHAIN-OF-CUSTODY / Analytical Request Document

24040438

BAL-257-601

Page: 2 of 3

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-Baldwin	Report To:	Brian Voelker	Attention:	Kim Edmiaston
Address:	10901 Baldwin Road	Copy To:	Sam Davies-samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Baldwin, IL 62217		Kim Edmiaston-Kimberly.Edmiaston@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY		
NPDES	GROUND WATER	DRINKING WATER
UST	RCRA	OTHER

Site Location STATE: IL

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

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / .-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Requested Analysis Filtered (Y/N) Y/N	Analysis Test: BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-355	WT	G																		X		N/A
2	MW-356	WT	G	4-16-24	1223		2			2							X		X				24040438-013
3	MW-358	WT	G				2			2							X	X	X	X			24040438-014
4	MW-366	WT	G	4-16-24	1443		2			2								X		X			24040438-015
5	MW-369	WT	G	4-16-24	1318		2			2							X		X				24040438-016
6	MW-370	WT	G	4-16-24	1339		2			2							X		X				24040438-017
7	MW-375	WT	G				2			2								X		X			24040438-018
8	MW-377	WT	G				2			2								X		X			24040438-019
9	MW-382	WT	G				2			2							X		X				24040438-020
10	MW-383	WT	G				2			2								X		X			24040438-021
11	MW-384	WT	G				2			2								X		X			24040438-022
12	MW-390	WT	G	4-16-24	1419		2			2								X		X			24040438-023
13	MW-391	WT	G				2			2								X		X			24040438-024
14	MW-392	WT	G	4-16-24	1152		2			2							X		X				24040438-025
15	MW-393	WT	G	4-16-24	1104		2			2							X		X				24040438-026
16	MW-394	WT	G	4-16-24	1010		2			2							X		X				24040438-027

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
BAL-24Q2 Rev 0	J. Colp	4-16	1630	Paul Gilley	4/16/24	1630				
Radium 226/228, only							18.7			

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Justin Colp		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY): 4.16.24				

LTG7

CHAIN-OF-CUSTODY / Analytical Request Document

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

24040438

Page: 3 of 3 BAL-257-601

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Baldwin	Report To:	Brian Voelker	Attention:	Kim Edmiaston
Address:	10901 Baldwin Road	Copy To:	Sam Davies-samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Baldwin, IL 62217		Kim Edmiaston-Kimberly.Edmiaston@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY		
NPDES	GROUND WATER	DRINKING WATER
UST	RCRA	OTHER

Site Location STATE: IL

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

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N: BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	OW-156	WT	G																	X		N/A
2	OW-157	WT	G																	X		N/A
3	OW-256	WT	G				2			2						X		X				24040438-028
4	OW-257	WT	G				2			2						X		X				24040438-029
5	PZ-170	WT	G				2			2						X		X				24040438-030
6	PZ-182	WT	G				2			2						X		X				24040438-031
7	TPZ-164	WT	G													X		X				N/A
8	XPW01	WT	G													X		X				N/A
9	XPW05	WT	G													X		X				N/A
10	XPW06	WT	G													X		X				N/A
11	Field Blank	WT	G				2			2						X	X	X	X	X		24040438-032
12	MW-304 Duplicate	WT	G	4/16/24	11:30		2			2						X	X	X	X	X		24040438-033
13	Equipment Blank 1	WT	G				2			2						X	X	X	X	X		24040438-034
14	Equipment Blank 2	WT	G				2			2						X	X	X	X	X		24040438-035
15	Equipment Blank 3	WT	G				2			2						X	X	X	X	X		24040438-036
16																						

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
BAL-24Q2 Rev 0	J Colp	4-16	1630	Paul Zelley	4/16/24	1630
Radium 226/228, only						

SAMPLE CONDITIONS: Temp in °C: 18.7; Received on Ice (Y/N): Y; Custody Sealed Cooler (Y/N): N; Samples Intact (Y/N):

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Justin Colp
SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 4-16-24

UTG7

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-Baldwin	Report To:	Brian Voelker	Attention:	Kim Edmiaston
Address:	10901 Baldwin Road	Copy To:	Sam Davies-samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Baldwin, IL 62217		Kim Edmiaston-Kimberly.Edmiaston@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY		
NPDES	GROUND WATER	DRINKING WATER
UST	RCRA	OTHER

Site Location STATE: IL

Section D Required Client Information

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

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

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-104DR	WT	G																		X		N/A
2	MW-104SR	WT	G																		X		N/A
3	MW-150	WT	G	4-17-24	1144		2			2								X		X	X		24040438-001
4	MW-151	WT	G				2			2								X		X	X		24040438-002
5	MW-152	WT	G				2			2								X		X	X		24040438-003
6	MW-153	WT	G				2			2								X		X	X		24040438-004
7	MW-154	WT	G																		X		N/A
8	MW-155	WT	G	4-17-24	1255																X		N/A
9	MW-192	WT	G				2			2							X		X				24040438-005
10	MW-193	WT	G				2			2							X		X				24040438-006
11	MW-252	WT	G				2			2								X		X	X		24040438-007
12	MW-253	WT	G				2			2								X		X	X		24040438-008
13	MW-304	WT	G				2			2							X	X	X	X	X		24040438-009
14	MW-306	WT	G				2			2							X	X	X	X	X		24040438-010
15	MW-350	WT	G				2			2								X		X	X		24040438-011
16	MW-352	WT	G				2			2								X		X	X		24040438-012

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
BAL-24Q2 Rev 0	J. Colp	4-17	1650		4/19/24	1050	0.9	⊙	z	
Radium 226/228, only							LTG 5	X		

SAMPLER NAME AND SIGNATURE						
PRINT Name of SAMPLER:	JUSTIN Colp		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY): 4-17-24				

PW/96651

Added HNO_3 (8291) to samples MW-150, MW-358, MW-383, MW-384, PZ-179, PZ-182

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 2 of 3 BAL-257-601

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Baldwin	Report To:	Brian Voelker	Attention:	Kim Edmiaston
Address:	10901 Baldwin Road	Copy To:	Sam Davies-samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Baldwin, IL 62217		Kim Edmiaston-Kimberly.Edmiaston@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY		
NPDES	GROUND WATER	DRINKING WATER
UST	RCRA	OTHER

Site Location STATE: IL

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

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-355	WT	G	4-17-24	1223																X		N/A
2	MW-356	WT	G				2			2							X		X				24040438-013
3	MW-358	WT	G	4-17-24	1017		2			2							X	X	X	X			24040438-014
4	MW-366	WT	G				2			2								X		X			24040438-015
5	MW-369	WT	G				2			2							X		X				24040438-016
6	MW-370	WT	G				2			2							X		X				24040438-017
7	MW-375	WT	G	4-17-24	1347		2			2								X		X			24040438-018
8	MW-377	WT	G	4/17/24	1426		2			2								X		X			24040438-019
9	MW-382	WT	G	4/17/24	1307		2			2							X		X				24040438-020
10	MW-383	WT	G	4-17-24	1052		2			2								X		X			24040438-021
11	MW-384	WT	G	4-17-24	1117		2			2								X		X			24040438-022
12	MW-390	WT	G				2			2								X		X			24040438-023
13	MW-391	WT	G				2			2								X		X			24040438-024
14	MW-392	WT	G				2			2							X		X				24040438-025
15	MW-393	WT	G				2			2							X		X				24040438-026
16	MW-394	WT	G				2			2							X		X				24040438-027

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
BAL-24Q2 Rev 0	J. Colp	4-17	1650		4/17/24	1650	
Radium 226/228, only							

SAMPLER NAME AND SIGNATURE						
PRINT Name of SAMPLER:	Justin Colp	DATE Signed (MM/DD/YY):	4-17-24	Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
SIGNATURE of SAMPLER:							

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-Baldwin	Report To:	Brian Voelker	Attention:	Kim Edmiaston
Address:	10901 Baldwin Road	Copy To:	Sam Davies-samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Baldwin, IL 62217		Kim Edmiaston-Kimberly.Edmiaston@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

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

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

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N: Analysis Test	BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	OW-156	WT	G	4/17/24	1426															X			N/A
2	OW-157	WT	G	4/17/24	1307															X			N/A
3	OW-256	WT	G	4-17-24	1500		2			2						X		X					24040438-028
4	OW-257	WT	G	4-17-24	1429		2			2						X		X					24040438-029
5	PZ-170	WT	G	4/17/24	1045		2			2						X		X					24040438-030
6	PZ-182	WT	G	4/17/24	1153		2			2						X		X					24040438-031
7	TPZ-164	WT	G													X		X					N/A
8	XPW01	WT	G													X		X					N/A
9	XPW05	WT	G													X		X					N/A
10	XPW06	WT	G													X		X					N/A
11	Field Blank	WT	G				2			2						X	X	X	X	X			24040438-032
12	MW-304 Duplicate	WT	G				2			2						X	X	X	X	X			24040438-033
13	Equipment Blank 1	WT	G				2			2						X	X	X	X	X			24040438-034
14	Equipment Blank 2	WT	G				2			2						X	X	X	X	X			24040438-035
15	Equipment Blank 3	WT	G				2			2						X	X	X	X	X			24040438-036
16																							

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
BAL-24Q2 Rev 0	J. Cold	4-17	1650		4/17/24	1650				
Radium 226/228, only										

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Justin Cold				
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY): 4-17-24			

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Baldwin	Report To:	Brian Voelker	Attention:	Kim Edmiaston
Address:	10901 Baldwin Road	Copy To:	Sam Davies-samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Baldwin, IL 62217		Kim Edmiaston-Kimberly.Edmiaston@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

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

Site Location STATE: IL

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

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-104DR	WT	G																		X		N/A
2	MW-104SR	WT	G																		X		N/A
3	MW-150	WT	G				2			2								X		X	X		24040438-001
4	MW-151	WT	G	4-18-24	1145		2			2								X		X	X		24040438-002
5	MW-152	WT	G	4-18-24	1041		2			2								X		X	X		24040438-003
6	MW-153	WT	G	4/18/24	1047		2			2								X		X	X		24040438-004
7	MW-154	WT	G																		X		N/A
8	MW-155	WT	G																		X		N/A
9	MW-192	WT	G				2			2							X		X				24040438-005
10	MW-193	WT	G				2			2							X		X				24040438-006
11	MW-252	WT	G	4-18-24	1058		2			2								X		X	X		24040438-007
12	MW-253	WT	G				2			2								X		X	X		24040438-008
13	MW-304	WT	G				2			2							X	X	X	X	X		24040438-009
14	MW-306	WT	G				2			2							X	X	X	X	X		24040438-010
15	MW-350	WT	G				2			2								X		X	X		24040438-011
16	MW-352	WT	G	4-18-24	1120		2			2								X		X	X		24040438-012

Requested Analysis Filtered (Y/N)

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
BAL-24Q2 Rev 0	J. Colp	4-18	1530	WHITNEY DUNGE-VTR	4-18	1530	
Radium 226/228, only							

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

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 4-18-24

PS 4/19/24

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:

Company:	Vistra Corp-Baldwin
Address:	10901 Baldwin Road
	Baldwin, IL 62217
Email To:	Brian.Voelker@VistraCorp.com
Phone: (217) 753-8911	Fax:
Requested Due Date/TAT:	10 day

Section B Required Project Information:

Report To:	Brian Voelker
Copy To:	Sam Davies-samantha.davies@vistracorp.com
	Kim Edmiaston-Kimberly.Edmiaston@vistracorp.com
Purchase Order No.:	
Project Name:	
Project Number:	2285

Section C Invoice Information:

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

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Valid matrix codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; 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: BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-355	WT	G																		X		N/A
2	MW-356	WT	G				2			2							X		X				24040438-013
3	MW-358	WT	G				2			2							X	X	X	X			24040438-014
4	MW-366	WT	G				2			2								X		X			24040438-015
5	MW-369	WT	G				2			2							X		X				24040438-016
6	MW-370	WT	G				2			2							X		X				24040438-017
7	MW-375	WT	G				2			2								X		X			24040438-018
8	MW-377	WT	G				2			2								X		X			24040438-019
9	MW-382	WT	G				2			2							X		X				24040438-020
10	MW-383	WT	G				2			2								X		X			24040438-021
11	MW-384	WT	G				2			2								X		X			24040438-022
12	MW-390	WT	G				2			2								X		X			24040438-023
13	MW-391 DRY	WT	G	4/18/24	935		2			2								X		X			24040438-024
14	MW-392	WT	G				2			2							X		X				24040438-025
15	MW-393	WT	G				2			2							X		X				24040438-026
16	MW-394	WT	G				2			2							X		X				24040438-027

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
BAL-24Q2 Rev 0	J. Colp	4/18	1530	Whitney Olmsted	4/18	1550	
Radium 226/228, only							17.9

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: Justin Colp DATE Signed (MM/DD/YY): 4-18-24

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
17.9	(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-Baldwin	Report To: Brian Voelker	Attention: Kim Edmiaston
Address: 10901 Baldwin Road	Copy To: Sam Davies-samantha.davies@vistracorp.com	Company Name: Vistra Corp
Baldwin, IL 62217	Kim Edmiaston-Kimberly.Edmiaston@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

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

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Requested Analysis Filtered (Y/N) Y/N	Analysis Test: BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	OW-156	WT	G																		X		N/A
2	OW-157	WT	G																		X		N/A
3	OW-256	WT	G				2			2							X		X				24040438-028
4	OW-257	WT	G				2			2							X		X				24040438-029
5	PZ-170	WT	G				2			2							X		X				24040438-030
6	PZ-182	WT	G				2			2							X		X				24040438-031
7	TPZ-164	WT	G	4/18/24	1229												X		X				N/A
8	XPW01	WT	G	4-18-24	0841												X		X				N/A
9	XPW05	WT	G	4-18-24	0920												X		X				N/A
10	XPW06	WT	G	4-18-24	0947												X		X				N/A
11	Field Blank	WT	G	4-18-24	1145		2			2							X	X	X	X	X		24040438-032
12	MW-304 Duplicate	WT	G				2			2							X	X	X	X	X		24040438-033
13	Equipment Blank 1	WT	G	4-18-24	~~1225~~ 1520		2			2							X	X	X	X	X		24040438-034
14	Equipment Blank 2	WT	G				2			2							X	X	X	X	X		24040438-035
15	Equipment Blank 3	WT	G				2			2							X	X	X	X	X		24040438-036
16																							

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
BAL-24Q2 Rev 0	J. Colp	4-18	1530	Whitney Quirk	4/18	1530	Y (circled) / N
Radium 226/228, only							17.9

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: Justin Colp

DATE Signed (MM/DD/YY): 4-18-24

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

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 5/20/2024 2:05:28 PM

JOB DESCRIPTION

Radium-226 and Radium-228
24040438

JOB NUMBER

160-53850-1

Eurofins St. Louis
13715 Rider Trail North
Earth City MO 63045

See page two for job notes and contact information.

my EOL

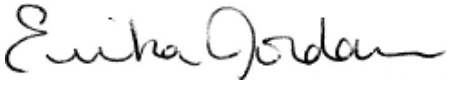
Eurofins St. Louis

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins TestAmerica Project Manager.

Authorization



Generated
5/20/2024 2:05:28 PM

Authorized for release by
Erika Jordan, Project Manager
erika.jordan@et.eurofinsus.com
(314)298-8566

Table of Contents

Cover Page 1
Table of Contents 3
Case Narrative 4
Chain of Custody 6
Receipt Checklists 9
Definitions/Glossary 10
Method Summary 11
Sample Summary 12
Client Sample Results 13
QC Sample Results 28
QC Association Summary 31
Tracer Carrier Summary 33

CASE NARRATIVE

Client: TekLab, Inc

Project: 24040438

Report Number: 160-53850-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition, all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method.

Eurofins Environment Testing attests to the validity of the laboratory data generated by Eurofins facilities reported herein. All analyses performed by Eurofins Environment Testing facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. Eurofins Environment Testing's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

Calculations are performed before rounding to avoid round-off errors in calculated results.

Proper preservation was noted for the methods performed on these samples, unless otherwise detailed below.

Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative.

Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date.

The matrix for the Method Blank and LCS/LCSD is as close to the samples as can be reasonably achieved. Detailed information can be found in the most current revision of the associated SOP.

The method blank (MB) z-score is within limits, unless stated otherwise below.

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.

Reference the chain of custody and receipt report for any variations on receipt conditions.

This laboratory report is confidential and is intended for the sole use of Eurofins TestAmerica and its client.

Receipt
The samples were received on 4/19/2024 1:15 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved. The temperatures of the 3 coolers at receipt time were 15.0°C, 17.7°C and 17.7°C.

Receipt Exceptions
One of the containers for the following sample was received empty: 24040438-016 (160-53850-13). There is enough volume in the remaining container to complete the requested analysis.

Method 903.0 - Radium-226 (GFPC)
Samples 24040438-001 (160-53850-1), 24040438-002 (160-53850-2), 24040438-003 (160-53850-3), 24040438-004 (160-53850-4), 24040438-005 (160-53850-5), 24040438-006 (160-53850-6), 24040438-007 (160-53850-7), 24040438-009 (160-53850-8), 24040438-012 (160-53850-9), 24040438-013 (160-53850-10), 24040438-014 (160-53850-11), 24040438-015 (160-53850-12), 24040438-016 (160-53850-13), 24040438-017 (160-53850-14), 24040438-018 (160-53850-15), 24040438-019 (160-53850-16), 24040438-020 (160-53850-17), 24040438-021 (160-53850-18), 24040438-022 (160-53850-19), 24040438-023 (160-53850-20), 24040438-025 (160-53850-21), 24040438-026 (160-53850-22), 24040438-027 (160-53850-23), 24040438-028 (160-53850-24), 24040438-029 (160-53850-25), 24040438-030 (160-53850-26), 24040438-031 (160-53850-27), 24040438-032 (160-53850-28), 24040438-033 (160-53850-29) and 24040438-034 (160-53850-30) were analyzed for Radium-226 (GFPC). The

samples were prepared on 4/23/2024 and analyzed on 5/17/2024.

No analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Method 904.0 - Radium-228 (GFPC)
Samples 24040438-001 (160-53850-1), 24040438-002 (160-53850-2), 24040438-003 (160-53850-3), 24040438-004 (160-53850-4), 24040438-005 (160-53850-5), 24040438-006 (160-53850-6), 24040438-007 (160-53850-7), 24040438-009 (160-53850-8), 24040438-012 (160-53850-9), 24040438-013 (160-53850-10), 24040438-014 (160-53850-11), 24040438-015 (160-53850-12), 24040438-016 (160-53850-13), 24040438-017 (160-53850-14), 24040438-018 (160-53850-15), 24040438-019 (160-53850-16), 24040438-020 (160-53850-17), 24040438-021 (160-53850-18), 24040438-022 (160-53850-19), 24040438-023 (160-53850-20), 24040438-025 (160-53850-21), 24040438-026 (160-53850-22), 24040438-027 (160-53850-23), 24040438-028 (160-53850-24), 24040438-029 (160-53850-25), 24040438-030 (160-53850-26), 24040438-031 (160-53850-27), 24040438-032 (160-53850-28), 24040438-033 (160-53850-29) and 24040438-034 (160-53850-30) were analyzed for Radium-228 (GFPC). The samples were prepared on 4/23/2024 and analyzed on 5/14/2024.

No analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Method Ra226_Ra228 Pos - Combined Radium-226 and Radium-228
Samples 24040438-001 (160-53850-1), 24040438-002 (160-53850-2), 24040438-003 (160-53850-3), 24040438-004 (160-53850-4), 24040438-005 (160-53850-5), 24040438-006 (160-53850-6), 24040438-007 (160-53850-7), 24040438-009 (160-53850-8), 24040438-012 (160-53850-9), 24040438-013 (160-53850-10), 24040438-014 (160-53850-11), 24040438-015 (160-53850-12), 24040438-016 (160-53850-13), 24040438-017 (160-53850-14), 24040438-018 (160-53850-15), 24040438-019 (160-53850-16), 24040438-020 (160-53850-17), 24040438-021 (160-53850-18), 24040438-022 (160-53850-19), 24040438-023 (160-53850-20), 24040438-025 (160-53850-21), 24040438-026 (160-53850-22), 24040438-027 (160-53850-23), 24040438-028 (160-53850-24), 24040438-029 (160-53850-25), 24040438-030 (160-53850-26), 24040438-031 (160-53850-27), 24040438-032 (160-53850-28), 24040438-033 (160-53850-29) and 24040438-034 (160-53850-30) were analyzed for Combined Radium-226 and Radium-228. The samples were analyzed on 5/20/2024.

No analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

TEKLAB, INC. Chain of Custody

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

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

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: | Sampler: Tracy Carroll/TEKLAB | QC Level: 3

Comments: **Please Issue reports and invoices via email only**
Please analyze for Radium 226/228 on your standard turn around time.
Samples collected from an IL site.
Batch QC is required for all analyses requested. EDD requested..

Project# 24040438

Contact: Elizabeth Hurley | Email: EHurley@TekLabInc.com
Requested Due Date: Standard TAT | Billing/PO: 36138 | Phone: (618) 344-1004 ext. 33

PLEASE NOTE:

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

Any changes to analysis/methods must be approved by Teklab, Inc.

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228
	24040438-001	4/17/2024 11:44	HNO3	Groundwater	✔
	24040438-002	4/18/2024 11:45	HNO3	Groundwater	✔
	24040438-003	4/18/2024 10:41	HNO3	Groundwater	✔
	24040438-004	4/18/2024 10:47	HNO3	Groundwater	✔
	24040438-005	4/16/2024 11:39	HNO3	Groundwater	✔
	24040438-006	4/16/2024 10:44	HNO3	Groundwater	✔
	24040438-007	4/18/2024 10:58	HNO3	Groundwater	✔
	24040438-009	4/16/2024 11:30	HNO3	Groundwater	✔
	24040438-012	4/18/2024 11:20	HNO3	Groundwater	✔
	24040438-013	4/16/2024 12:23	HNO3	Groundwater	✔
	24040438-014	4/17/2024 10:17	HNO3	Groundwater	✔

160-53850 Chain of Custody

*Relinquished By	Date/Time	Received By	Date/Time
Paul Ebelly	4/19/24 1315	Ebony Strong	1:15 pm 4/19/24

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

SubCocRevA
3/2/2016

TEKLAB, INC. Chain of Custody

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

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

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: | Sampler: Tracy Carroll/TEKLAB | QC Level: 3

Comments: **Please Issue reports and invoices via email only**
Please analyze for Radium 226/228 on your standard turn around time.
Samples collected from an IL site.
Batch QC is required for all analyses requested. EDD requested..

Project# 24040438

Contact: Elizabeth Hurley | Email: EHurley@TekLabInc.com
Requested Due Date: Standard TAT | Billing/PO: 36138 | Phone: (618) 344-1004 ext. 33

PLEASE NOTE:

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

Any changes to analysis/methods must be approved by Teklab, Inc.

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228
	24040438-015	4/16/2024 14:43	HNO3	Groundwater	✔
	24040438-016	4/16/2024 13:18	HNO3	Groundwater	✔
	24040438-017	4/16/2024 13:39	HNO3	Groundwater	✔
	24040438-018	4/17/2024 13:47	HNO3	Groundwater	✔
	24040438-019	4/17/2024 14:26	HNO3	Groundwater	✔
	24040438-020	4/17/2024 13:07	HNO3	Groundwater	✔
	24040438-021	4/17/2024 10:52	HNO3	Groundwater	✔
	24040438-022	4/17/2024 11:17	HNO3	Groundwater	✔
	24040438-023	4/16/2024 14:19	HNO3	Groundwater	✔
	24040438-025	4/16/2024 11:52	HNO3	Groundwater	✔
	24040438-026	4/16/2024 11:04	HNO3	Groundwater	✔

*Relinquished By	Date/Time	Received By	Date/Time
Paul Rettig	4/19/24 1315	Sina Waylin	1315 4/19/24

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

SubCocRevA
3/2/2016

TEKLAB, INC. Chain of Custody

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

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

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: | Sampler: Tracy Carroll/TEKLAB | QC Level: 3

Comments: **Please Issue reports and invoices via email only**
Please analyze for Radium 226/228 on your standard turn around time.
Samples collected from an IL site.
Batch QC is required for all analyses requested. EDD requested..

Project# 24040438

Contact: Elizabeth Hurley | Email: EHurley@TekLabInc.com
Requested Due Date: Standard TAT | Billing/PO: 36138
Phone: (618) 344-1004 ext. 33

PLEASE NOTE:

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

Any changes to analysis/methods must be approved by Teklab, Inc.

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228
	24040438-027	4/16/2024 10:10	HNO3	Groundwater	✔
	24040438-028	4/17/2024 15:00	HNO3	Groundwater	✔
	24040438-029	4/17/2024 14:29	HNO3	Groundwater	✔
	24040438-030	4/17/2024 10:45	HNO3	Groundwater	✔
	24040438-031	4/17/2024 11:58	HNO3	Groundwater	✔
	24040438-032	4/18/2024 11:45	HNO3	Groundwater	✔
	24040438-033	4/16/2024 11:30	HNO3	Groundwater	✔
	24040438-034	4/18/2024 15:20	HNO3	Groundwater	✔
			HNO3	Groundwater	✔
			HNO3	Groundwater	✔
			HNO3	Groundwater	✔

*Relinquished By	Date/Time	Received By	Date/Time
Paul Fahey	4/19/24 1315	Sina Dayton	1315 4/19/24

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

SubCocRevA
3/2/2016

Login Sample Receipt Checklist

Client: TekLab, Inc

Job Number: 160-53850-1
SDG Number: 24040438

Login Number: 53850
List Number: 1
Creator: Worthington, Sierra M

List Source: Eurofins St. Louis

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	False	Sample 13 one container received empty
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Definitions/Glossary

Qualifiers

Rad

Qualifier	Qualifier Description
U	Result is less than the sample detection limit.

Glossary

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

Method Summary

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

Job ID: 160-53850-1
SDG: 24040438

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

Protocol References:

EPA = US Environmental Protection Agency

None = None

TAL-STL = TestAmerica Laboratories, St. Louis, Facility Standard Operating Procedure.

Laboratory References:

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

Sample Summary

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

Job ID: 160-53850-1
SDG: 24040438

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
160-53850-1	24040438-001	Water	04/17/24 11:44	04/19/24 13:15
160-53850-2	24040438-002	Water	04/18/24 11:45	04/19/24 13:15
160-53850-3	24040438-003	Water	04/18/24 10:41	04/19/24 13:15
160-53850-4	24040438-004	Water	04/18/24 10:47	04/19/24 13:15
160-53850-5	24040438-005	Water	04/16/24 11:39	04/19/24 13:15
160-53850-6	24040438-006	Water	04/16/24 10:44	04/19/24 13:15
160-53850-7	24040438-007	Water	04/18/24 10:58	04/19/24 13:15
160-53850-8	24040438-009	Water	04/16/24 11:30	04/19/24 13:15
160-53850-9	24040438-012	Water	04/18/24 11:20	04/19/24 13:15
160-53850-10	24040438-013	Water	04/16/24 12:23	04/19/24 13:15
160-53850-11	24040438-014	Water	04/17/24 10:17	04/19/24 13:15
160-53850-12	24040438-015	Water	04/16/24 14:43	04/19/24 13:15
160-53850-13	24040438-016	Water	04/16/24 13:18	04/19/24 13:15
160-53850-14	24040438-017	Water	04/16/24 13:39	04/19/24 13:15
160-53850-15	24040438-018	Water	04/17/24 13:47	04/19/24 13:15
160-53850-16	24040438-019	Water	04/17/24 14:26	04/19/24 13:15
160-53850-17	24040438-020	Water	04/17/24 13:07	04/19/24 13:15
160-53850-18	24040438-021	Water	04/17/24 10:52	04/19/24 13:15
160-53850-19	24040438-022	Water	04/17/24 11:17	04/19/24 13:15
160-53850-20	24040438-023	Water	04/16/24 14:19	04/19/24 13:15
160-53850-21	24040438-025	Water	04/16/24 11:52	04/19/24 13:15
160-53850-22	24040438-026	Water	04/16/24 11:04	04/19/24 13:15
160-53850-23	24040438-027	Water	04/16/24 10:10	04/19/24 13:15
160-53850-24	24040438-028	Water	04/17/24 15:00	04/19/24 13:15
160-53850-25	24040438-029	Water	04/17/24 14:29	04/19/24 13:15
160-53850-26	24040438-030	Water	04/17/24 10:45	04/19/24 13:15
160-53850-27	24040438-031	Water	04/17/24 11:58	04/19/24 13:15
160-53850-28	24040438-032	Water	04/18/24 11:45	04/19/24 13:15
160-53850-29	24040438-033	Water	04/16/24 11:30	04/19/24 13:15
160-53850-30	24040438-034	Water	04/18/24 15:20	04/19/24 13:15

Client Sample Results

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

Job ID: 160-53850-1
SDG: 24040438

Client Sample ID: 24040438-001
Date Collected: 04/17/24 11:44
Date Received: 04/19/24 13:15

Lab Sample ID: 160-53850-1
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0748	U	0.116	0.116	1.00	0.200	pCi/L	04/23/24 08:22	05/17/24 09:28	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.3*		*30 - 110*	*04/23/24 08:22*	*05/17/24 09:28*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0250	U	0.300	0.300	1.00	0.562	pCi/L	04/23/24 08:27	05/14/24 11:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.3*		*30 - 110*	*04/23/24 08:27*	*05/14/24 11:51*	*1*
Y Carrier	*77.4*		*30 - 110*	*04/23/24 08:27*	*05/14/24 11:51*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.0997	U	0.322	0.322	5.00	0.562	pCi/L		05/20/24 13:26	1

Client Sample ID: 24040438-002
Date Collected: 04/18/24 11:45
Date Received: 04/19/24 13:15

Lab Sample ID: 160-53850-2
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0219	U	0.0852	0.0852	1.00	0.163	pCi/L	04/23/24 08:22	05/17/24 09:28	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.4*		*30 - 110*	*04/23/24 08:22*	*05/17/24 09:28*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.267	U	0.287	0.288	1.00	0.465	pCi/L	04/23/24 08:27	05/14/24 11:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.4*		*30 - 110*	*04/23/24 08:27*	*05/14/24 11:51*	*1*
Y Carrier	*81.5*		*30 - 110*	*04/23/24 08:27*	*05/14/24 11:51*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.289	U	0.299	0.300	5.00	0.465	pCi/L		05/20/24 13:26	1

Client Sample Results

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

Job ID: 160-53850-1
SDG: 24040438

Client Sample ID: 24040438-003
Date Collected: 04/18/24 10:41
Date Received: 04/19/24 13:15

Lab Sample ID: 160-53850-3
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0870	U	0.181	0.181	1.00	0.319	pCi/L	04/23/24 08:22	05/17/24 09:28	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.0*		*30 - 110*	*04/23/24 08:22*	*05/17/24 09:28*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.679	U	0.474	0.478	1.00	0.702	pCi/L	04/23/24 08:27	05/14/24 11:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.0*		*30 - 110*	*04/23/24 08:27*	*05/14/24 11:51*	*1*
Y Carrier	*78.1*		*30 - 110*	*04/23/24 08:27*	*05/14/24 11:51*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.766**		0.507	0.511	5.00	0.702	pCi/L		05/20/24 13:26	1

Client Sample ID: 24040438-004
Date Collected: 04/18/24 10:47
Date Received: 04/19/24 13:15

Lab Sample ID: 160-53850-4
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.194	U	0.151	0.152	1.00	0.225	pCi/L	04/23/24 08:22	05/17/24 09:28	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.5*		*30 - 110*	*04/23/24 08:22*	*05/17/24 09:28*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.210	U	0.373	0.374	1.00	0.642	pCi/L	04/23/24 08:27	05/14/24 11:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.5*		*30 - 110*	*04/23/24 08:27*	*05/14/24 11:51*	*1*
Y Carrier	*78.1*		*30 - 110*	*04/23/24 08:27*	*05/14/24 11:51*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.404	U	0.402	0.404	5.00	0.642	pCi/L		05/20/24 13:26	1

Client Sample Results

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

Job ID: 160-53850-1
SDG: 24040438

Client Sample ID: 24040438-005
Date Collected: 04/16/24 11:39
Date Received: 04/19/24 13:15

Lab Sample ID: 160-53850-5
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0233	U	0.0844	0.0845	1.00	0.182	pCi/L	04/23/24 08:22	05/17/24 09:21	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.3*		*30 - 110*	*04/23/24 08:22*	*05/17/24 09:21*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0306	U	0.304	0.304	1.00	0.563	pCi/L	04/23/24 08:27	05/14/24 11:52	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.3*		*30 - 110*	*04/23/24 08:27*	*05/14/24 11:52*	*1*
Y Carrier	*79.6*		*30 - 110*	*04/23/24 08:27*	*05/14/24 11:52*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.0306	U	0.315	0.316	5.00	0.563	pCi/L		05/20/24 13:26	1

Client Sample ID: 24040438-006
Date Collected: 04/16/24 10:44
Date Received: 04/19/24 13:15

Lab Sample ID: 160-53850-6
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0378	U	0.114	0.114	1.00	0.210	pCi/L	04/23/24 08:22	05/17/24 09:21	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.2*		*30 - 110*	*04/23/24 08:22*	*05/17/24 09:21*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.854**		0.533	0.539	1.00	0.779	pCi/L	04/23/24 08:27	05/14/24 11:52	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.2*		*30 - 110*	*04/23/24 08:27*	*05/14/24 11:52*	*1*
Y Carrier	*62.8*		*30 - 110*	*04/23/24 08:27*	*05/14/24 11:52*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.892**		0.545	0.551	5.00	0.779	pCi/L		05/20/24 13:26	1

Client Sample Results

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

Job ID: 160-53850-1
SDG: 24040438

Client Sample ID: 24040438-007
Date Collected: 04/18/24 10:58
Date Received: 04/19/24 13:15

Lab Sample ID: 160-53850-7
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0592	U	0.0941	0.0942	1.00	0.163	pCi/L	04/23/24 08:22	05/17/24 09:21	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.3*		*30 - 110*	*04/23/24 08:22*	*05/17/24 09:21*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.350	U	0.342	0.344	1.00	0.547	pCi/L	04/23/24 08:27	05/14/24 11:52	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.3*		*30 - 110*	*04/23/24 08:27*	*05/14/24 11:52*	*1*
Y Carrier	*77.4*		*30 - 110*	*04/23/24 08:27*	*05/14/24 11:52*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.409	U	0.355	0.357	5.00	0.547	pCi/L		05/20/24 13:26	1

Client Sample ID: 24040438-009
Date Collected: 04/16/24 11:30
Date Received: 04/19/24 13:15

Lab Sample ID: 160-53850-8
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.147	U	0.116	0.116	1.00	0.167	pCi/L	04/23/24 08:22	05/17/24 09:21	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.5*		*30 - 110*	*04/23/24 08:22*	*05/17/24 09:21*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.866**		0.453	0.460	1.00	0.631	pCi/L	04/23/24 08:27	05/14/24 11:52	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.5*		*30 - 110*	*04/23/24 08:27*	*05/14/24 11:52*	*1*
Y Carrier	*72.9*		*30 - 110*	*04/23/24 08:27*	*05/14/24 11:52*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**1.01**		0.468	0.474	5.00	0.631	pCi/L		05/20/24 13:26	1

Client Sample Results

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

Job ID: 160-53850-1
SDG: 24040438

Client Sample ID: 24040438-012
Date Collected: 04/18/24 11:20
Date Received: 04/19/24 13:15

Lab Sample ID: 160-53850-9
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.470		0.182	0.187	1.00	0.199	pCi/L	04/23/24 08:22	05/17/24 09:21	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.2*		*30 - 110*	*04/23/24 08:22*	*05/17/24 09:21*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.435	U	0.383	0.385	1.00	0.600	pCi/L	04/23/24 08:27	05/14/24 11:52	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.2*		*30 - 110*	*04/23/24 08:27*	*05/14/24 11:52*	*1*
Y Carrier	*77.4*		*30 - 110*	*04/23/24 08:27*	*05/14/24 11:52*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.905		0.424	0.428	5.00	0.600	pCi/L		05/20/24 13:26	1

Client Sample ID: 24040438-013
Date Collected: 04/16/24 12:23
Date Received: 04/19/24 13:15

Lab Sample ID: 160-53850-10
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0325	U	0.102	0.102	1.00	0.193	pCi/L	04/23/24 08:22	05/17/24 09:20	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*74.9*		*30 - 110*	*04/23/24 08:22*	*05/17/24 09:20*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.180	U	0.400	0.400	1.00	0.702	pCi/L	04/23/24 08:27	05/14/24 11:52	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*74.9*		*30 - 110*	*04/23/24 08:27*	*05/14/24 11:52*	*1*
Y Carrier	*77.8*		*30 - 110*	*04/23/24 08:27*	*05/14/24 11:52*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.212	U	0.413	0.413	5.00	0.702	pCi/L		05/20/24 13:26	1

Client Sample Results

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

Job ID: 160-53850-1
SDG: 24040438

Client Sample ID: 24040438-014
Date Collected: 04/17/24 10:17
Date Received: 04/19/24 13:15

Lab Sample ID: 160-53850-11
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.301		0.177	0.179	1.00	0.226	pCi/L	04/23/24 08:22	05/17/24 09:20	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	78.7		30 - 110	04/23/24 08:22	05/17/24 09:20	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.10		0.616	0.624	1.00	0.880	pCi/L	04/23/24 08:27	05/14/24 11:53	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	78.7		30 - 110	04/23/24 08:27	05/14/24 11:53	1
Y Carrier	79.3		30 - 110	04/23/24 08:27	05/14/24 11:53	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.40		0.641	0.649	5.00	0.880	pCi/L		05/20/24 13:26	1

Client Sample ID: 24040438-015
Date Collected: 04/16/24 14:43
Date Received: 04/19/24 13:15

Lab Sample ID: 160-53850-12
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.260		0.146	0.148	1.00	0.191	pCi/L	04/23/24 08:22	05/17/24 09:20	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	87.8		30 - 110	04/23/24 08:22	05/17/24 09:20	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.705		0.379	0.384	1.00	0.522	pCi/L	04/23/24 08:27	05/14/24 11:53	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	87.8		30 - 110	04/23/24 08:27	05/14/24 11:53	1
Y Carrier	81.1		30 - 110	04/23/24 08:27	05/14/24 11:53	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.965		0.406	0.412	5.00	0.522	pCi/L		05/20/24 13:26	1

Client Sample Results

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

Job ID: 160-53850-1
SDG: 24040438

Client Sample ID: 24040438-016
Date Collected: 04/16/24 13:18
Date Received: 04/19/24 13:15

Lab Sample ID: 160-53850-13
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.131	U	0.126	0.126	1.00	0.195	pCi/L	04/23/24 08:22	05/17/24 09:20	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*78.2*		*30 - 110*	*04/23/24 08:22*	*05/17/24 09:20*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.699**		0.426	0.431	1.00	0.614	pCi/L	04/23/24 08:27	05/14/24 11:53	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*78.2*		*30 - 110*	*04/23/24 08:27*	*05/14/24 11:53*	*1*
Y Carrier	*80.4*		*30 - 110*	*04/23/24 08:27*	*05/14/24 11:53*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.829**		0.444	0.449	5.00	0.614	pCi/L		05/20/24 13:26	1

Client Sample ID: 24040438-017
Date Collected: 04/16/24 13:39
Date Received: 04/19/24 13:15

Lab Sample ID: 160-53850-14
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0860	U	0.0998	0.100	1.00	0.162	pCi/L	04/23/24 08:22	05/17/24 09:20	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.5*		*30 - 110*	*04/23/24 08:22*	*05/17/24 09:20*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.929**		0.467	0.475	1.00	0.652	pCi/L	04/23/24 08:27	05/14/24 11:54	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.5*		*30 - 110*	*04/23/24 08:27*	*05/14/24 11:54*	*1*
Y Carrier	*77.0*		*30 - 110*	*04/23/24 08:27*	*05/14/24 11:54*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**1.02**		0.478	0.485	5.00	0.652	pCi/L		05/20/24 13:26	1

Client Sample Results

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

Job ID: 160-53850-1
SDG: 24040438

Client Sample ID: 24040438-018
Date Collected: 04/17/24 13:47
Date Received: 04/19/24 13:15

Lab Sample ID: 160-53850-15
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0122	U	0.0925	0.0925	1.00	0.194	pCi/L	04/23/24 08:22	05/17/24 12:23	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.0*		*30 - 110*	*04/23/24 08:22*	*05/17/24 12:23*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.456	U	0.407	0.409	1.00	0.645	pCi/L	04/23/24 08:27	05/14/24 11:54	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.0*		*30 - 110*	*04/23/24 08:27*	*05/14/24 11:54*	*1*
Y Carrier	*84.1*		*30 - 110*	*04/23/24 08:27*	*05/14/24 11:54*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.456	U	0.417	0.419	5.00	0.645	pCi/L		05/20/24 13:26	1

Client Sample ID: 24040438-019
Date Collected: 04/17/24 14:26
Date Received: 04/19/24 13:15

Lab Sample ID: 160-53850-16
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.258**		0.133	0.135	1.00	0.158	pCi/L	04/23/24 08:22	05/17/24 12:24	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.3*		*30 - 110*	*04/23/24 08:22*	*05/17/24 12:24*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.935**		0.408	0.417	1.00	0.532	pCi/L	04/23/24 08:27	05/14/24 11:54	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.3*		*30 - 110*	*04/23/24 08:27*	*05/14/24 11:54*	*1*
Y Carrier	*84.5*		*30 - 110*	*04/23/24 08:27*	*05/14/24 11:54*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**1.19**		0.429	0.438	5.00	0.532	pCi/L		05/20/24 13:26	1

Client Sample Results

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

Lab ID: 160-53850-1
SDG: 24040438

Client Sample ID: 24040438-020

Date Collected: 04/17/24 13:07
Date Received: 04/19/24 13:15

Lab Sample ID: 160-53850-17

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.146	U	0.212	0.212	1.00	0.360	pCi/L	04/23/24 08:22	05/17/24 13:59	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.7*		*30 - 110*	*04/23/24 08:22*	*05/17/24 13:59*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**2.03**		0.770	0.792	1.00	0.946	pCi/L	04/23/24 08:27	05/14/24 11:54	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.7*		*30 - 110*	*04/23/24 08:27*	*05/14/24 11:54*	*1*
Y Carrier	*86.0*		*30 - 110*	*04/23/24 08:27*	*05/14/24 11:54*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**2.18**		0.799	0.820	5.00	0.946	pCi/L		05/20/24 13:26	1

Client Sample ID: 24040438-021

Date Collected: 04/17/24 10:52
Date Received: 04/19/24 13:15

Lab Sample ID: 160-53850-18

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0866	U	0.118	0.118	1.00	0.199	pCi/L	04/23/24 08:22	05/17/24 13:59	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.2*		*30 - 110*	*04/23/24 08:22*	*05/17/24 13:59*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.335	U	0.345	0.346	1.00	0.555	pCi/L	04/23/24 08:27	05/14/24 11:54	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.2*		*30 - 110*	*04/23/24 08:27*	*05/14/24 11:54*	*1*
Y Carrier	*83.0*		*30 - 110*	*04/23/24 08:27*	*05/14/24 11:54*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.422	U	0.365	0.366	5.00	0.555	pCi/L		05/20/24 13:26	1

Client Sample Results

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

Job ID: 160-53850-1
SDG: 24040438

Client Sample ID: 24040438-022
Date Collected: 04/17/24 11:17
Date Received: 04/19/24 13:15

Lab Sample ID: 160-53850-19
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0988	U	0.115	0.115	1.00	0.187	pCi/L	04/23/24 08:22	05/17/24 13:59	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.6*		*30 - 110*	*04/23/24 08:22*	*05/17/24 13:59*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.356	U	0.364	0.365	1.00	0.588	pCi/L	04/23/24 08:27	05/14/24 11:54	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.6*		*30 - 110*	*04/23/24 08:27*	*05/14/24 11:54*	*1*
Y Carrier	*76.3*		*30 - 110*	*04/23/24 08:27*	*05/14/24 11:54*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.455	U	0.382	0.383	5.00	0.588	pCi/L		05/20/24 13:26	1

Client Sample ID: 24040438-023
Date Collected: 04/16/24 14:19
Date Received: 04/19/24 13:15

Lab Sample ID: 160-53850-20
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.202**		0.119	0.120	1.00	0.149	pCi/L	04/23/24 08:22	05/17/24 13:59	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.8*		*30 - 110*	*04/23/24 08:22*	*05/17/24 13:59*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**1.17**		0.558	0.568	1.00	0.782	pCi/L	04/23/24 08:27	05/14/24 11:54	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.8*		*30 - 110*	*04/23/24 08:27*	*05/14/24 11:54*	*1*
Y Carrier	*69.2*		*30 - 110*	*04/23/24 08:27*	*05/14/24 11:54*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**1.38**		0.571	0.581	5.00	0.782	pCi/L		05/20/24 13:26	1

Client Sample Results

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

Job ID: 160-53850-1
SDG: 24040438

Client Sample ID: 24040438-025
Date Collected: 04/16/24 11:52
Date Received: 04/19/24 13:15

Lab Sample ID: 160-53850-21
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.189		0.111	0.113	1.00	0.141	pCi/L	04/23/24 08:30	05/17/24 14:14	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*97.2*		*30 - 110*	*04/23/24 08:30*	*05/17/24 14:14*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.802		0.369	0.376	1.00	0.494	pCi/L	04/23/24 08:34	05/14/24 12:03	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*97.2*		*30 - 110*	*04/23/24 08:34*	*05/14/24 12:03*	*1*
Y Carrier	*84.9*		*30 - 110*	*04/23/24 08:34*	*05/14/24 12:03*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.991		0.385	0.393	5.00	0.494	pCi/L		05/20/24 13:27	1

Client Sample ID: 24040438-026
Date Collected: 04/16/24 11:04
Date Received: 04/19/24 13:15

Lab Sample ID: 160-53850-22
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.160	U	0.132	0.133	1.00	0.199	pCi/L	04/23/24 08:30	05/17/24 14:14	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.2*		*30 - 110*	*04/23/24 08:30*	*05/17/24 14:14*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0898	U	0.325	0.325	1.00	0.581	pCi/L	04/23/24 08:34	05/14/24 12:03	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.2*		*30 - 110*	*04/23/24 08:34*	*05/14/24 12:03*	*1*
Y Carrier	*81.9*		*30 - 110*	*04/23/24 08:34*	*05/14/24 12:03*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.250	U	0.351	0.351	5.00	0.581	pCi/L		05/20/24 13:27	1

Client Sample Results

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

Lab ID: 160-53850-1
SDG: 24040438

Client Sample ID: 24040438-027
Date Collected: 04/16/24 10:10
Date Received: 04/19/24 13:15

Lab Sample ID: 160-53850-23
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.156	U	0.131	0.132	1.00	0.199	pCi/L	04/23/24 08:30	05/17/24 15:17	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.2*		*30 - 110*	*04/23/24 08:30*	*05/17/24 15:17*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.550**		0.321	0.325	1.00	0.455	pCi/L	04/23/24 08:34	05/14/24 12:03	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.2*		*30 - 110*	*04/23/24 08:34*	*05/14/24 12:03*	*1*
Y Carrier	*85.6*		*30 - 110*	*04/23/24 08:34*	*05/14/24 12:03*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.706**		0.347	0.351	5.00	0.455	pCi/L		05/20/24 13:27	1

Client Sample ID: 24040438-028
Date Collected: 04/17/24 15:00
Date Received: 04/19/24 13:15

Lab Sample ID: 160-53850-24
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.165**		0.114	0.115	1.00	0.154	pCi/L	04/23/24 08:30	05/17/24 15:17	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.7*		*30 - 110*	*04/23/24 08:30*	*05/17/24 15:17*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.509	U	0.365	0.368	1.00	0.551	pCi/L	04/23/24 08:34	05/14/24 12:03	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.7*		*30 - 110*	*04/23/24 08:34*	*05/14/24 12:03*	*1*
Y Carrier	*89.0*		*30 - 110*	*04/23/24 08:34*	*05/14/24 12:03*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.674**		0.382	0.386	5.00	0.551	pCi/L		05/20/24 13:27	1

Client Sample Results

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

Job ID: 160-53850-1
SDG: 24040438

Client Sample ID: 24040438-029
Date Collected: 04/17/24 14:29
Date Received: 04/19/24 13:15

Lab Sample ID: 160-53850-25
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.192	U	0.140	0.141	1.00	0.201	pCi/L	04/23/24 08:30	05/17/24 15:17	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.2*		*30 - 110*	*04/23/24 08:30*	*05/17/24 15:17*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.938**		0.409	0.418	1.00	0.537	pCi/L	04/23/24 08:34	05/14/24 12:03	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.2*		*30 - 110*	*04/23/24 08:34*	*05/14/24 12:03*	*1*
Y Carrier	*89.3*		*30 - 110*	*04/23/24 08:34*	*05/14/24 12:03*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**1.13**		0.432	0.441	5.00	0.537	pCi/L		05/20/24 13:27	1

Client Sample ID: 24040438-030
Date Collected: 04/17/24 10:45
Date Received: 04/19/24 13:15

Lab Sample ID: 160-53850-26
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0994	U	0.104	0.104	1.00	0.165	pCi/L	04/23/24 08:30	05/17/24 15:17	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.6*		*30 - 110*	*04/23/24 08:30*	*05/17/24 15:17*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.221	U	0.324	0.325	1.00	0.548	pCi/L	04/23/24 08:34	05/14/24 12:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.6*		*30 - 110*	*04/23/24 08:34*	*05/14/24 12:04*	*1*
Y Carrier	*84.9*		*30 - 110*	*04/23/24 08:34*	*05/14/24 12:04*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.320	U	0.340	0.341	5.00	0.548	pCi/L		05/20/24 13:27	1

Client Sample Results

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

Job ID: 160-53850-1
SDG: 24040438

Client Sample ID: 24040438-031
Date Collected: 04/17/24 11:58
Date Received: 04/19/24 13:15

Lab Sample ID: 160-53850-27
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0336	U	0.152	0.152	1.00	0.290	pCi/L	04/23/24 08:30	05/17/24 15:35	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*68.3*		*30 - 110*	*04/23/24 08:30*	*05/17/24 15:35*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**1.05**		0.622	0.629	1.00	0.891	pCi/L	04/23/24 08:34	05/14/24 12:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*68.3*		*30 - 110*	*04/23/24 08:34*	*05/14/24 12:04*	*1*
Y Carrier	*86.0*		*30 - 110*	*04/23/24 08:34*	*05/14/24 12:04*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**1.09**		0.640	0.647	5.00	0.891	pCi/L		05/20/24 13:27	1

Client Sample ID: 24040438-032
Date Collected: 04/18/24 11:45
Date Received: 04/19/24 13:15

Lab Sample ID: 160-53850-28
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0306	U	0.0659	0.0659	1.00	0.157	pCi/L	04/23/24 08:30	05/17/24 15:35	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.9*		*30 - 110*	*04/23/24 08:30*	*05/17/24 15:35*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.566**		0.347	0.351	1.00	0.500	pCi/L	04/23/24 08:34	05/14/24 12:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.9*		*30 - 110*	*04/23/24 08:34*	*05/14/24 12:04*	*1*
Y Carrier	*86.0*		*30 - 110*	*04/23/24 08:34*	*05/14/24 12:04*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.566**		0.353	0.357	5.00	0.500	pCi/L		05/20/24 13:27	1

Client Sample Results

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

Lab ID: 160-53850-1
SDG: 24040438

Client Sample ID: 24040438-033
Date Collected: 04/16/24 11:30
Date Received: 04/19/24 13:15

Lab Sample ID: 160-53850-29
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.145	U	0.108	0.109	1.00	0.153	pCi/L	04/23/24 08:30	05/17/24 15:35	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.1*		*30 - 110*	*04/23/24 08:30*	*05/17/24 15:35*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.638**		0.368	0.373	1.00	0.524	pCi/L	04/23/24 08:34	05/14/24 12:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.1*		*30 - 110*	*04/23/24 08:34*	*05/14/24 12:04*	*1*
Y Carrier	*84.1*		*30 - 110*	*04/23/24 08:34*	*05/14/24 12:04*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.784**		0.384	0.389	5.00	0.524	pCi/L		05/20/24 13:27	1

Client Sample ID: 24040438-034
Date Collected: 04/18/24 15:20
Date Received: 04/19/24 13:15

Lab Sample ID: 160-53850-30
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.00891	U	0.0903	0.0903	1.00	0.178	pCi/L	04/23/24 08:30	05/17/24 15:35	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.8*		*30 - 110*	*04/23/24 08:30*	*05/17/24 15:35*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.234	U	0.336	0.337	1.00	0.566	pCi/L	04/23/24 08:34	05/14/24 12:16	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.8*		*30 - 110*	*04/23/24 08:34*	*05/14/24 12:16*	*1*
Y Carrier	*84.1*		*30 - 110*	*04/23/24 08:34*	*05/14/24 12:16*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.243	U	0.348	0.349	5.00	0.566	pCi/L		05/20/24 13:27	1

QC Sample Results

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

Job ID: 160-53850-1
SDG: 24040438

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-658169/1-A
Matrix: Water
Analysis Batch: 662208

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 658169

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.02771	U	0.105	0.105	1.00	0.197	pCi/L	04/23/24 08:22	05/17/24 09:28	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*99.7*		*30 - 110*	*04/23/24 08:22*	*05/17/24 09:28*	*1*

Lab Sample ID: LCS 160-658169/2-A
Matrix: Water
Analysis Batch: 662208

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 658169

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			11.3	9.999		1.11	1.00	0.140	pCi/L	88	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*97.0*		*30 - 110*

Lab Sample ID: 160-53850-1 DU
Matrix: Water
Analysis Batch: 662208

Client Sample ID: 24040438-001
Prep Type: Total/NA
Prep Batch: 658169

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-226	0.0748	U		0.2204		0.132	1.00	0.165	pCi/L			0.59	1

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
Ba Carrier	*82.7*		*30 - 110*

Lab Sample ID: MB 160-658171/1-A
Matrix: Water
Analysis Batch: 662204

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 658171

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.01110	U	0.0739	0.0739	1.00	0.160	pCi/L	04/23/24 08:30	05/17/24 13:59	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.8*		*30 - 110*	*04/23/24 08:30*	*05/17/24 13:59*	*1*

Lab Sample ID: LCS 160-658171/2-A
Matrix: Water
Analysis Batch: 662208

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 658171

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			11.3	10.95		1.20	1.00	0.168	pCi/L	97	75 - 125		

QC Sample Results

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

Job ID: 160-53850-1
SDG: 24040438

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

Lab Sample ID: LCS 160-658171/2-A
Matrix: Water
Analysis Batch: 662208

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 658171

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	98.2		30 - 110

Lab Sample ID: 160-53850-21 DU
Matrix: Water
Analysis Batch: 662208

Client Sample ID: 24040438-025
Prep Type: Total/NA
Prep Batch: 658171

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-226	0.189			0.2673		0.162	1.00	0.226	pCi/L			0.29	1

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	89.1		30 - 110

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-658170/1-A
Matrix: Water
Analysis Batch: 661610

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 658170

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.3131	U	0.273	0.275	1.00	0.426	pCi/L	04/23/24 08:27	05/14/24 11:51	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	99.7		30 - 110	04/23/24 08:27	05/14/24 11:51	1
Y Carrier	83.4		30 - 110	04/23/24 08:27	05/14/24 11:51	1

Lab Sample ID: LCS 160-658170/2-A
Matrix: Water
Analysis Batch: 661610

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 658170

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			8.94	9.170		1.25	1.00	0.488	pCi/L	103	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	97.0		30 - 110
Y Carrier	81.1		30 - 110

Lab Sample ID: 160-53850-1 DU
Matrix: Water
Analysis Batch: 661610

Client Sample ID: 24040438-001
Prep Type: Total/NA
Prep Batch: 658170

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-228	0.0250	U		0.3582	U	0.375	1.00	0.603	pCi/L			0.49	1

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

Lab Sample ID: 160-53850-1 DU — **Client Sample ID: 24040438-001**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 661610 — **Prep Batch: 658170**

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	82.7		30 - 110
Y Carrier	72.9		30 - 110

Lab Sample ID: MB 160-658172/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 661452 — **Prep Batch: 658172**

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.2473	U	0.366	0.367	1.00	0.617	pCi/L	04/23/24 08:34	05/14/24 12:03	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	88.8		30 - 110	04/23/24 08:34	05/14/24 12:03	1
Y Carrier	85.6		30 - 110	04/23/24 08:34	05/14/24 12:03	1

Lab Sample ID: LCS 160-658172/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 661452 — **Prep Batch: 658172**

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			8.94	9.093		1.21	1.00	0.450	pCi/L	102	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	98.2		30 - 110
Y Carrier	90.8		30 - 110

Lab Sample ID: 160-53850-21 DU — **Client Sample ID: 24040438-025**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 661452 — **Prep Batch: 658172**

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-228	0.802			0.9947		0.443	1.00	0.572	pCi/L			0.24	1

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	89.1		30 - 110
Y Carrier	81.5		30 - 110

QC Association Summary

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

Job ID: 160-53850-1
SDG: 24040438

Rad

Prep Batch: 658169

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-53850-1	24040438-001	Total/NA	Water	PrecSep-21	
160-53850-2	24040438-002	Total/NA	Water	PrecSep-21	
160-53850-3	24040438-003	Total/NA	Water	PrecSep-21	
160-53850-4	24040438-004	Total/NA	Water	PrecSep-21	
160-53850-5	24040438-005	Total/NA	Water	PrecSep-21	
160-53850-6	24040438-006	Total/NA	Water	PrecSep-21	
160-53850-7	24040438-007	Total/NA	Water	PrecSep-21	
160-53850-8	24040438-009	Total/NA	Water	PrecSep-21	
160-53850-9	24040438-012	Total/NA	Water	PrecSep-21	
160-53850-10	24040438-013	Total/NA	Water	PrecSep-21	
160-53850-11	24040438-014	Total/NA	Water	PrecSep-21	
160-53850-12	24040438-015	Total/NA	Water	PrecSep-21	
160-53850-13	24040438-016	Total/NA	Water	PrecSep-21	
160-53850-14	24040438-017	Total/NA	Water	PrecSep-21	
160-53850-15	24040438-018	Total/NA	Water	PrecSep-21	
160-53850-16	24040438-019	Total/NA	Water	PrecSep-21	
160-53850-17	24040438-020	Total/NA	Water	PrecSep-21	
160-53850-18	24040438-021	Total/NA	Water	PrecSep-21	
160-53850-19	24040438-022	Total/NA	Water	PrecSep-21	
160-53850-20	24040438-023	Total/NA	Water	PrecSep-21	
MB 160-658169/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-658169/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
160-53850-1 DU	24040438-001	Total/NA	Water	PrecSep-21	

Prep Batch: 658170

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-53850-1	24040438-001	Total/NA	Water	PrecSep_0	
160-53850-2	24040438-002	Total/NA	Water	PrecSep_0	
160-53850-3	24040438-003	Total/NA	Water	PrecSep_0	
160-53850-4	24040438-004	Total/NA	Water	PrecSep_0	
160-53850-5	24040438-005	Total/NA	Water	PrecSep_0	
160-53850-6	24040438-006	Total/NA	Water	PrecSep_0	
160-53850-7	24040438-007	Total/NA	Water	PrecSep_0	
160-53850-8	24040438-009	Total/NA	Water	PrecSep_0	
160-53850-9	24040438-012	Total/NA	Water	PrecSep_0	
160-53850-10	24040438-013	Total/NA	Water	PrecSep_0	
160-53850-11	24040438-014	Total/NA	Water	PrecSep_0	
160-53850-12	24040438-015	Total/NA	Water	PrecSep_0	
160-53850-13	24040438-016	Total/NA	Water	PrecSep_0	
160-53850-14	24040438-017	Total/NA	Water	PrecSep_0	
160-53850-15	24040438-018	Total/NA	Water	PrecSep_0	
160-53850-16	24040438-019	Total/NA	Water	PrecSep_0	
160-53850-17	24040438-020	Total/NA	Water	PrecSep_0	
160-53850-18	24040438-021	Total/NA	Water	PrecSep_0	
160-53850-19	24040438-022	Total/NA	Water	PrecSep_0	
160-53850-20	24040438-023	Total/NA	Water	PrecSep_0	
MB 160-658170/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-658170/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
160-53850-1 DU	24040438-001	Total/NA	Water	PrecSep_0	

QC Association Summary

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

Job ID: 160-53850-1
SDG: 24040438

Rad

Prep Batch: 658171

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-53850-21	24040438-025	Total/NA	Water	PrecSep-21	
160-53850-22	24040438-026	Total/NA	Water	PrecSep-21	
160-53850-23	24040438-027	Total/NA	Water	PrecSep-21	
160-53850-24	24040438-028	Total/NA	Water	PrecSep-21	
160-53850-25	24040438-029	Total/NA	Water	PrecSep-21	
160-53850-26	24040438-030	Total/NA	Water	PrecSep-21	
160-53850-27	24040438-031	Total/NA	Water	PrecSep-21	
160-53850-28	24040438-032	Total/NA	Water	PrecSep-21	
160-53850-29	24040438-033	Total/NA	Water	PrecSep-21	
160-53850-30	24040438-034	Total/NA	Water	PrecSep-21	
MB 160-658171/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-658171/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
160-53850-21 DU	24040438-025	Total/NA	Water	PrecSep-21	

Prep Batch: 658172

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-53850-21	24040438-025	Total/NA	Water	PrecSep_0	
160-53850-22	24040438-026	Total/NA	Water	PrecSep_0	
160-53850-23	24040438-027	Total/NA	Water	PrecSep_0	
160-53850-24	24040438-028	Total/NA	Water	PrecSep_0	
160-53850-25	24040438-029	Total/NA	Water	PrecSep_0	
160-53850-26	24040438-030	Total/NA	Water	PrecSep_0	
160-53850-27	24040438-031	Total/NA	Water	PrecSep_0	
160-53850-28	24040438-032	Total/NA	Water	PrecSep_0	
160-53850-29	24040438-033	Total/NA	Water	PrecSep_0	
160-53850-30	24040438-034	Total/NA	Water	PrecSep_0	
MB 160-658172/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-658172/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
160-53850-21 DU	24040438-025	Total/NA	Water	PrecSep_0	

Tracer/Carrier Summary

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

Job ID: 160-53850-1
SDG: 24040438

Method: 903.0 - Radium-226 (GFPC)

Matrix: Water **Prep Type: Total/NA**

Lab Sample ID	Client Sample ID	Percent Yield (Acceptance Limits) Ba (30-110)
160-53850-1	24040438-001	86.3
160-53850-1 DU	24040438-001	82.7
160-53850-2	24040438-002	95.4
160-53850-3	24040438-003	85.0
160-53850-4	24040438-004	83.5
160-53850-5	24040438-005	89.3
160-53850-6	24040438-006	80.2
160-53850-7	24040438-007	86.3
160-53850-8	24040438-009	84.5
160-53850-9	24040438-012	82.2
160-53850-10	24040438-013	74.9
160-53850-11	24040438-014	78.7
160-53850-12	24040438-015	87.8
160-53850-13	24040438-016	78.2
160-53850-14	24040438-017	85.5
160-53850-15	24040438-018	83.0
160-53850-16	24040438-019	87.3
160-53850-17	24040438-020	80.7
160-53850-18	24040438-021	83.2
160-53850-19	24040438-022	92.6
160-53850-20	24040438-023	87.8
160-53850-21	24040438-025	97.2
160-53850-21 DU	24040438-025	89.1
160-53850-22	24040438-026	94.2
160-53850-23	24040438-027	95.2
160-53850-24	24040438-028	81.7
160-53850-25	24040438-029	82.2
160-53850-26	24040438-030	90.6
160-53850-27	24040438-031	68.3
160-53850-28	24040438-032	95.9
160-53850-29	24040438-033	90.1
160-53850-30	24040438-034	86.8
LCS 160-658169/2-A	Lab Control Sample	97.0
LCS 160-658171/2-A	Lab Control Sample	98.2
MB 160-658169/1-A	Method Blank	99.7
MB 160-658171/1-A	Method Blank	88.8

Tracer/Carrier Legend

Ba = Ba Carrier

Method: 904.0 - Radium-228 (GFPC)

Matrix: Water **Prep Type: Total/NA**

Lab Sample ID	Client Sample ID	Percent Yield (Acceptance Limits) Ba (30-110)	Y (30-110)
160-53850-1	24040438-001	86.3	77.4
160-53850-1 DU	24040438-001	82.7	72.9
160-53850-2	24040438-002	95.4	81.5
160-53850-3	24040438-003	85.0	78.1

Tracer/Carrier Summary

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

Job ID: 160-53850-1
SDG: 24040438

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

Matrix: Water **Prep Type: Total/NA**

		Percent Yield (Acceptance Limits)	
Lab Sample ID	Client Sample ID	Ba (30-110)	Y (30-110)
160-53850-4	24040438-004	83.5	78.1
160-53850-5	24040438-005	89.3	79.6
160-53850-6	24040438-006	80.2	62.8
160-53850-7	24040438-007	86.3	77.4
160-53850-8	24040438-009	84.5	72.9
160-53850-9	24040438-012	82.2	77.4
160-53850-10	24040438-013	74.9	77.8
160-53850-11	24040438-014	78.7	79.3
160-53850-12	24040438-015	87.8	81.1
160-53850-13	24040438-016	78.2	80.4
160-53850-14	24040438-017	85.5	77.0
160-53850-15	24040438-018	83.0	84.1
160-53850-16	24040438-019	87.3	84.5
160-53850-17	24040438-020	80.7	86.0
160-53850-18	24040438-021	83.2	83.0
160-53850-19	24040438-022	92.6	76.3
160-53850-20	24040438-023	87.8	69.2
160-53850-21	24040438-025	97.2	84.9
160-53850-21 DU	24040438-025	89.1	81.5
160-53850-22	24040438-026	94.2	81.9
160-53850-23	24040438-027	95.2	85.6
160-53850-24	24040438-028	81.7	89.0
160-53850-25	24040438-029	82.2	89.3
160-53850-26	24040438-030	90.6	84.9
160-53850-27	24040438-031	68.3	86.0
160-53850-28	24040438-032	95.9	86.0
160-53850-29	24040438-033	90.1	84.1
160-53850-30	24040438-034	86.8	84.1
LCS 160-658170/2-A	Lab Control Sample	97.0	81.1
LCS 160-658172/2-A	Lab Control Sample	98.2	90.8
MB 160-658170/1-A	Method Blank	99.7	83.4
MB 160-658172/1-A	Method Blank	88.8	85.6

Tracer/Carrier Legend

Ba = Ba Carrier
Y = Y Carrier

Site Samping Event: Baldwin- 2Q24
LIMS Workorder: 240040437
Technician(s): JC, TC, BG, PY

Groundwater Sampling Summary
Baldwin- 2Q 2024

			Weather				Well Condition				
WO Sample	Well ID	Program/ Sample Type	Temp (°F)	Precipitation	Wind Direction	Sky	Well Pad	Casing	Protective Cover	Reference Mark/ ID	Well Locked
001	MW-104DR	Groundwater Sample	81.0	None	N	Partly cloudy	Good	Good	Good	Yes	Yes
002	MW-104SR	Groundwater Sample	81.0	None	N	Partly cloudy	Good	Good	Good	Yes	Yes
003	MW-150	Groundwater Sample	73.0	None	W	Partly cloudy	Good	Good	Good	Yes	Yes
004	MW-151	Groundwater Sample	77.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
005	MW-152	Groundwater Sample	70.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
006	MW-153	Groundwater Sample	76.0	None	W	Partly cloudy	Good	Good	Good	Yes	Yes
007	MW-154	Groundwater Sample	73.0	None	W	Partly cloudy	Good	Good	Good	Yes	Yes
008	MW-155	Groundwater Sample	82.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
009	MW-192	Groundwater Sample	77.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
010	MW-193	Groundwater Sample	74.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
011	MW-252	Groundwater Sample	73.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
012	*MW-253*	*Groundwater Sample*	*71.0*	*None*	*S*	*Partly cloudy*	*Good*	*Good*	*Good*	*Yes*	*Yes*
013	MW-304	Groundwater Sample	80.0	None	N	Partly cloudy	Good	Good	Good	Yes	Yes
014	*MW-306*	*Groundwater Sample*	*71.0*	*None*	*S*	*Partly cloudy*	*Good*	*Good*	*Good*	*Yes*	*Yes*
015	*MW-350*	*Groundwater Sample*	*71.0*	*None*	*S*	*Partly cloudy*	*Good*	*Good*	*Good*	*Yes*	*Yes*
016	MW-352	Groundwater Sample	75.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
017	MW-355	Groundwater Sample	76.0	None	W	Partly cloudy	Good	Good	Good	Yes	Yes
018	MW-356	Groundwater Sample	78.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
019	MW-358	Groundwater Sample	69.0	None	W	Partly cloudy	Good	Good	Good	Yes	Yes
020	MW-366	Groundwater Sample	81.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
021	MW-369	Groundwater Sample	79.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
022	MW-370	Groundwater Sample	80.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
023	MW-375	Groundwater Sample	78.0	None	W	Partly cloudy	Good	Good	Good	Yes	Yes
024	MW-377	Groundwater Sample	76.0	None	E	Clear	Good	Good	Good	Yes	Yes
025	MW-382	Groundwater Sample	75.0	None	E	Clear	Good	Good	Good	Yes	Yes
026	MW-383	Groundwater Sample	71.0	None	W	Partly cloudy	Good	Good	Good	Yes	Yes
027	MW-384	Groundwater Sample	73.0	None	W	Partly cloudy	Good	Good	Good	Yes	Yes
028	MW-390	Groundwater Sample	81.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
029	MW-391	Groundwater Sample	68.0	None	SE	Partly cloudy	Good	Good	Good	Yes	Yes
030	MW-392	Groundwater Sample	77.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
031	MW-393	Groundwater Sample	74.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
032	MW-394	Groundwater Sample	73.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
033	OW-156	Stabilization Data Only	76.0	None	E	Clear	Good	Good	Good	Yes	Yes
034	OW-157	Stabilization Data Only	76.0	None	E	Clear	Good	Good	Good	Yes	Yes
035	OW-256	Groundwater Sample	80.0	None	W	Partly cloudy	Good	Good	Good	Yes	Yes
036	OW-257	Groundwater Sample	79.0	None	W	Partly cloudy	Good	Good	Good	Yes	Yes

Site Samping Event: Baldwin- 2Q24
LIMS Workorder: 240040437
Technician(s): JC, TC, BG, PY

Groundwater Sampling Summary
Baldwin- 2Q 2024

			Weather				Well Condition				
WO Sample	**Well ID**	**Program/ Sample Type**	**Temp (°F)**	**Precipitation**	**Wind Direction**	**Sky**	**Well Pad**	**Casing**	**Protective Cover**	**Reference Mark/ ID**	**Well Locked**
037	PZ-170	Groundwater Sample	73.0	None	E	Clear	Good	Good	Good	Yes	Yes
038	PZ-182	Groundwater Sample	74.0	None	E	Clear	Good	Good	Good	Yes	Yes
039	TPZ-164	Groundwater Sample	80.0	None	W	Clear	Good	Good	Good	Yes	Yes
040	XPW01	Groundwater Sample	64.0	None	SE	Partly cloudy	Good	Good	Good	Yes	Yes
041	XPW05	Groundwater Sample	65.0	None	SE	Partly cloudy	Good	Good	Good	Yes	Yes
042	XPW06	Groundwater Sample	68.0	None	SE	Partly cloudy	Good	Good	Good	Yes	Yes
043	Field Blank	QA/QC Sample	80.0	None	W	Clear					
044	MW-304 Duplicate	QA/QC Sample	80.0	None	N	Partly cloudy	Good	Good	Good	Yes	Yes
045	Equipment Blank 1	QA/QC Sample	80.0	None	W	Clear					

Site Samping Event: Baldwin- 2Q24
LIMS Workorder: 240040437
Technician(s): JC, TC, BG, PY

Groundwater Sampling Summary
Baldwin- 2Q 2024

		GW Level Measurement				Purge Activities							
WO Sample	Well ID	Sampler Initials	Date/Time	DTW (ft)	DTB (ft)	Sampler Initials	Purge Date	Purge Start Time	Purge End Time	Purging Device	Well Diameter (in)	Actual Volume Purged (L)	Purge Rate (mL/min)
001	MW-104DR	TAC	4/16/24 11:55	8.76	31.50	PY	4/16/2024	13:20	13:47	Dedicated Bladder Pump	2"	5.0	185.2
002	MW-104SR	TAC	4/16/24 13:51	8.66	18.00	py	4/16/2024	14:06	14:32	Dedicated Bladder Pump	2"	4.0	153.8
003	MW-150	JC	4/17/24 11:29	18.86	27.90	JC	4/17/2024	11:30	11:44	Dedicated Bladder Pump	2"	2.0	142.9
004	MW-151	JC	4/18/24 11:31	6.66	19.00	JC	4/17/2024	11:31	11:45	Dedicated Bladder Pump	2"	4.0	285.7
005	MW-152	JC	4/18/24 10:00	6.23	20.00	JC	4/18/2024	10:01	10:41	Dedicated Bladder Pump	2"	7.0	175.0
006	MW-153	TAC	4/18/24 10:22	13.43	23.40	PY	4/18/2024	10:24	10:47	Dedicated Bladder Pump	2"	4.0	173.9
007	MW-154	TAC	4/16/24 9:35	10.56	15.40	TCA	4/16/2024	09:37	09:56	Peristaltic Pump	2"	2.0	105.3
008	MW-155	JC	4/17/24 12:28	T.O.P.	23.40	JC	4/17/2024	12:27	12:55	Dedicated Bladder Pump	2"	1.5	53.6
009	MW-192	JC	4/16/24 11:28	8.24	32.91	JC	4/16/2024	11:28	11:39	Dedicated Bladder Pump	2"	2.5	227.3
010	MW-193	JC	4/16/24 10:23	8.86	35.54	JC	4/16/2024	10:30	10:44	Dedicated Bladder Pump	2"	2.5	178.6
011	MW-252	JC	4/18/24 10:43	4.40	52.30	JC	4/18/2024	10:45	10:58	Submersible Pump	2"	4.0	307.7
012	*MW-253*	*JC*	*4/15/24 10:02*	*15.26*	*38.20*								
013	MW-304	PY	4/16/24 10:55	9.21	57.50	PY	4/16/2024	10:59	11:30	Dedicated Bladder Pump	2"	3.0	96.8
014	*MW-306*	*JC*	*4/15/24 10:38*	*17.54*	*90.00*								
015	*MW-350*	*JC*	*4/15/24 12:25*	*23.98*	*49.30*								
016	MW-352	JC	4/18/24 11:03	3.55	75.70	JC	4/18/2024	11:03	11:20	Dedicated Bladder Pump	2"	2.5	147.1
017	MW-355	JC	4/17/24 12:09	23.71	35.40	JC	4/17/2024	12:09	12:23	Dedicated Bladder Pump	2"	3.0	214.3
018	MW-356	JC	4/16/24 12:07	4.64	68.40	JC	4/16/2024	12:07	12:23	Dedicated Bladder Pump	2"	3.5	218.8
019	MW-358	JC	4/17/24 9:23	3.81	92.14	JC	4/17/2024	09:24	10:17	Dedicated Bladder Pump	2"	6.5	122.6
020	MW-366	JC	4/16/24 14:27	16.54	54.50	JC	4/16/2024	14:27	14:43	Dedicated Bladder Pump	2"	2.5	156.2
021	MW-369	JC	4/16/24 12:42	10.49	68.20	JC	4/16/2024	12:42	13:18	Dedicated Bladder Pump	2"	6.0	166.7
022	MW-370	JC	4/16/24 13:24	17.95	65.20	JC	4/16/2024	13:25	13:39	Dedicated Bladder Pump	2"	2.5	178.6
023	MW-375	JC	4/17/24 13:32	34.05	69.50	JC	4/17/2024	13:33	13:47	Dedicated Bladder Pump	2"	3.0	214.3
024	MW-377	PY	4/17/24 14:12	7.72	7.72	PY	4/17/2024	14:13	14:26	Dedicated Bladder Pump	2"	2.0	153.8
025	MW-382	PY	4/17/24 12:33	16.47	68.50	PY	4/17/2024	12:38	13:07	Dedicated Bladder Pump	2"	6.5	224.1
026	MW-383	JC	4/17/24 10:35	20.59	70.30	JC	4/17/2024	10:35	10:52	Dedicated Bladder Pump	2"	3.0	176.5
027	MW-384	JC	4/17/24 10:59	16.22	72.70	JC	4/17/2024	11:00	11:17	Dedicated Bladder Pump	2"	2.5	147.1
028	MW-390	JC	4/16/24 14:00	6.71	67.10	JC	4/16/2024	14:00	14:19	Dedicated Bladder Pump	2"	3.0	157.9
029	MW-391	PY	4/18/24 9:32	71.48	72.40	py	4/18/2024	09:35		Bailer	2"		
030	MW-392	JC	4/16/24 11:37	8.83	86.96	JC	4/16/2024	11:38	11:52	Dedicated Bladder Pump	2"	3.0	214.3
031	MW-393	JC	4/16/24 10:48	8.25	88.27	JC	4/16/2024	10:52	11:04	Dedicated Bladder Pump	2"	2.5	208.3
032	MW-394	JC	4/16/24 9:56	6.64	85.78	JC	4/16/2024	09:58	10:10	Dedicated Bladder Pump	2"	2.5	208.3
033	OW-156	PY	4/17/24 15:21	6.14	20.40	PY	4/17/2024	15:20	15:24	Bailer	2"		
034	OW-157	PY	4/17/24 15:13	5.98	20.40	PY	4/17/2024	15:10	15:15	Bailer	2"		
035	OW-256	JC	4/17/24 14:40	8.61	35.60	JC	4/17/2024	14:41	15:00	Submersible Pump	2"	3.5	184.2
036	OW-257	JC	4/17/24 14:10	6.50	41.90	JC	4/17/2024	14:10	14:29	Submersible Pump	2"	4.0	210.5

Site Samping Event: Baldwin- 2Q24
LIMS Workorder: 240040437
Technician(s): JC, TC, BG, PY

Groundwater Sampling Summary
Baldwin- 2Q 2024

		GW Level Measurement				Purge Activities							
WO Sample	**Well ID**	**Sampler Initials**	**Date/Time**	**DTW (ft)**	**DTB (ft)**	**Sampler Initials**	**Purge Date**	**Purge Start Time**	**Purge End Time**	**Purging Device**	**Well Diameter (in)**	**Actual Volume Purged (L)**	**Purge Rate (mL/min)**
037	PZ-170	PY	4/17/24 10:22	14.25	34.00	PY	4/17/2024	10:24	10:45	Peristaltic Pump	2"	4.0	190.5
038	PZ-182	PY	4/17/24 11:14	17.16	37.10	PY	4/17/2024	11:16	11:58	Peristaltic Pump	2"	7.5	178.6
039	TPZ-164	PY	4/18/24 11:48	3.68	12.90	PY	4/18/2024	11:58	12:29	Peristaltic Pump	2"	6.0	193.5
040	XPW01	JC	4/18/24 8:29	9.70	14.53	JC	4/18/2024	08:29	08:41	Dedicated Bladder Pump	2"	3.0	250.0
041	XPW05	JC	4/18/24 8:54	4.56	31.15	JC	4/18/2024	08:56	09:20	Dedicated Bladder Pump	2"	5.0	208.3
042	XPW06	JC	4/18/24 9:33	2.24	9.66	JC	4/18/2024	09:33	09:47	Dedicated Bladder Pump	2"	3.0	214.3
043	Field Blank				-								
044	MW-304 Duplicate	PY	4/16/24 10:55	9.21	57.50	PY	4/16/2024	10:59	11:30	Dedicated Bladder Pump	2"	3.0	96.8
045	Equipment Blank 1				-								

Site Samping Event: Baldwin- 2Q24
LIMS Workorder: 240040437
Technician(s): JC, TC, BG, PY

Groundwater Sampling Summary
Baldwin- 2Q 2024

		Sampling Activities and Observations										
WO Sample	**Well ID**	**Sampler Initials**	**Date**	**Time**	**Sampling Method**	**Instrument ID**	**Field Filtered**	**Appearance**	**Odor**	**Color**	**Post-Sample DTW (ft)**	**Drawdown (ft)**
001	MW-104DR	TAC	04/16/24	13:47	Low Flow	218083	Yes	Clear	None	None	9.14	0.38
002	MW-104SR	TAC	04/16/24	14:32	Low Flow	218083	Yes	Clear	None	None	10.53	1.87
003	MW-150	JC	04/17/24	11:44	Low Flow	26599	Yes	Clear	None	none	19.19	0.33
004	MW-151	JC	04/18/24	11:45	Low Flow	26599	Yes	Clear	None	none	7.12	0.46
005	MW-152	JC	04/18/24	10:41	Low Flow	26599	Yes	Slightly cloudy	None	none	6.40	0.17
006	MW-153	TAC	04/18/24	10:47	Low Flow	218083	Yes	Clear	None	None	13.88	0.45
007	MW-154											
008	MW-155	JC	04/17/24	12:55	Low Flow	26599	Yes	Slightly cloudy	Slight	none	T.O.P.	N/A
009	MW-192	JC	04/16/24	11:39	Low Flow	26599	No	Clear	None	none	10.24	2
010	MW-193	JC	04/16/24	10:44	Low Flow	26599	No	Clear	None	none	9.40	0.54
011	MW-252	JC	04/18/24	10:58	Low Flow	26599	Yes	Clear	None	none	7.90	3.5
012	*MW-253*											
013	MW-304	TAC	04/16/24	11:30	Low Flow	218083	Yes	Clear	None	None	13.33	4.12
014	*MW-306*											
015	*MW-350*											
016	MW-352	JC	04/18/24	11:20	Low Flow	26599	Yes	Clear	None	none	5.98	2.43
017	MW-355	JC	04/17/24	12:23	Low Flow	26599	Yes	Clear	None	none	24.89	1.18
018	MW-356	JC	04/16/24	12:23	Low Flow	26599	No	Clear	None	none	6.37	1.73
019	MW-358	JC	04/17/24	10:17	Low Flow	26599	No	Clear	Strong	none	7.02	3.21
020	MW-366	JC	04/16/24	14:43	Low Flow	26599	No	Clear	None	none	19.35	2.81
021	MW-369	JC	04/16/24	13:18	Low Flow	26599	No	Clear	None	none	16.87	6.38
022	MW-370	JC	04/16/24	13:39	Low Flow	26599	No	Clear	None	none	19.62	1.67
023	MW-375	JC	04/17/24	13:47	Low Flow	26599	No	Clear	None	none	35.56	1.51
024	MW-377	TAC	04/17/24	14:26	Low Flow	218083	No	Clear	None	None	7.86	0.14
025	MW-382	TAC	04/17/24	13:07	Low Flow	218083	No	Clear	None	None	25.31	8.84
026	MW-383	JC	04/17/24	10:52	Low Flow	26599	No	Clear	None	none	23.25	2.66
027	MW-384	JC	04/17/24	11:17	Low Flow	26599	No	Clear	None	none	19.65	3.43
028	MW-390	JC	04/16/24	14:19	Low Flow	26599	No	Clear	None	none	8.87	2.16
029	MW-391											
030	MW-392	JC	04/16/24	11:52	Low Flow	26599	No	Clear	None	none	11.53	2.7
031	MW-393	JC	04/16/24	11:04	Low Flow	26599	No	Clear	None	none	11.38	3.13
032	MW-394	JC	04/16/24	10:10	Low Flow	26599	No	Clear	Slight	none	9.54	2.9
033	OW-156	TAC	04/17/24	15:24	No Purge	218083					7.22	1.08
034	OW-157	TAC	04/17/24	15:15	No Purge	218083					6.35	0.37
035	OW-256	JC	04/17/24	15:00	Low Flow	26599	No	Clear	None	none	10.21	1.6
036	OW-257	JC	04/17/24	14:29	Low Flow	26599	No	Clear	None	none	9.14	2.64

Site Samping Event: Baldwin- 2Q24
LIMS Workorder: 240040437
Technician(s): JC, TC, BG, PY

Groundwater Sampling Summary
Baldwin- 2Q 2024

		Sampling Activities and Observations										
WO Sample	**Well ID**	**Sampler Initials**	**Date**	**Time**	**Sampling Method**	**Instrument ID**	**Field Filtered**	**Appearance**	**Odor**	**Color**	**Post-Sample DTW (ft)**	**Drawdown (ft)**
037	PZ-170	TAC	04/17/24	10:45	Low Flow	218083	No	Clear	None	None	17.54	**3.29**
038	PZ-182	TAC	04/17/24	11:58	Low Flow	218083	No	Clear	Strong	Grey	17.44	0.28
039	TPZ-164	TAC	04/18/24	12:29	Low Flow	218083	No	Clear	None	None	3.70	0.02
040	XPW01	JC	04/18/24	08:41	Low Flow	26599	No	Slightly cloudy	None	none	10.04	0.34
041	XPW05	JC	04/18/24	09:20	Low Flow	26599	No	Slightly cloudy	Slight	none	5.45	**0.89**
042	XPW06	JC	04/18/24	09:47	Low Flow	26599	No	Clear	None	none	2.44	0.2
043	Field Blank	JC	04/18/24	11:45	No Purge	-	No					
044	MW-304 Duplicate	TAC	04/16/24	11:30	Low Flow	218083	Yes	Clear	None	None	13.33	**4.12**
045	Equipment Blank 1	JC	04/18/24	15:20	No Purge	-	No					

Site Samping Event: Baldwin- 2Q24
LIMS Workorder: 240040437
Technician(s): JC, TC, BG, PY

Groundwater Sampling Summary
Baldwin- 2Q 2024

WO Sample	Well ID	COMMENTS
001	MW-104DR	
002	MW-104SR	
003	MW-150	
004	MW-151	
005	MW-152	
006	MW-153	
007	MW-154	Went dry during stabilization. DTW on 4/17=15.22', 4/18=15.16'. **DRY**
008	MW-155	T.O.P.= 20.47'
009	MW-192	
010	MW-193	
011	MW-252	
012	*MW-253*	***Request Not to Sample per Ramboll*
013	MW-304	
014	*MW-306*	***Request Not to Sample per Ramboll*
015	*MW-350*	***Request Not to Sample per Ramboll*
016	MW-352	
017	MW-355	
018	MW-356	
019	MW-358	
020	MW-366	
021	MW-369	
022	MW-370	
023	MW-375	
024	MW-377	
025	MW-382	
026	MW-383	
027	MW-384	
028	MW-390	
029	MW-391	DRY. Not enough water to collect sample. Bailer had less than a inch of water from hitting the bottom.
030	MW-392	
031	MW-393	
032	MW-394	
033	OW-156	
034	OW-157	
035	OW-256	
036	OW-257	

Site Samping Event: Baldwin- 2Q24
LIMS Workorder: 240040437
Technician(s): JC, TC, BG, PY

Groundwater Sampling Summary
Baldwin- 2Q 2024

WO Sample	Well ID	COMMENTS
037	PZ-170	
038	PZ-182	
039	TPZ-164	
040	XPW01	
041	XPW05	
042	XPW06	
043	Field Blank	
044	MW-304 Duplicate	
045	Equipment Blank 1	

Site Samping Event: Baldwin- 2Q24
LIMS Workorder: 240040437
Technician(s): JC, TC, BG, PY

Stabilized Field Parameters
Baldwin- 2Q 2024

Well ID	Date	Time	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	DTW (ft)	LIMS ID
MW-104DR	4/16/2024	13:47	18.0	64.4	7.05	998.2	0.81	14.60	74.0	8.76	24040437-001A
MW-104SR	4/16/2024	14:32	15.1	59.2	6.80	1,140.9	0.76	44.15	-85.8	8.66	24040437-002A
MW-150	4/17/2024	11:44	14.5	58.1	7.05	1,568.5	2.37	2.04	-18.9	18.86	24040437-003A
MW-151	4/18/2024	11:45	15.9	60.6	6.80	1,058.9	0.83	13.63	53.9	6.66	24040437-004A
MW-152	4/18/2024	10:41	14.1	57.4	6.72	1,399.7	0.73	25.07	95.8	6.23	24040437-005A
MW-153	4/18/2024	10:47	15.3	59.5	6.87	626.0	1.87	23.87	29.1	13.43	24040437-006A
MW-154	4/15/2024	9:35	Dry- No Sample							10.56	24040437-007A
MW-155	4/17/2024	12:55	18.0	64.4	7.02	645.5	2.11	21.80	41.4	T.O.P	24040437-008A
MW-192	4/16/2024	11:39	17.3	63.1	6.96	572.2	0.81	5.08	-14.9	8.24	24040437-009A
MW-193	4/16/2024	10:44	17.8	64.0	6.81	706.4	2.09	8.24	29.5	8.86	24040437-010A
MW-252	4/18/2024	10:58	17.9	64.2	6.79	1,693.4	0.74	23.23	79.0	4.40	24040437-011A
MW-253	4/15/2024	10:02	*Request not to Sample per Ramboll							15.26	24040437-012A
MW-304	4/16/2024	11:30	17.3	63.1	7.81	2,465.0	0.21	7.09	43.8	9.21	24040437-013A
MW-306	4/15/2024	10:38	*Request not to Sample per Ramboll							17.54	24040437-014A
MW-350	4/15/2024	12:25	*Request not to Sample per Ramboll							23.98	24040437-015A
MW-352	4/18/2024	11:20	17.0	62.6	7.41	2,191.7	2.90	2.60	-93.7	3.55	24040437-016A
MW-355	4/17/2024	12:23	15.2	59.4	7.09	660.1	0.71	3.42	-23.6	23.71	24040437-017A
MW-356	4/16/2024	12:23	16.2	61.2	7.77	922.8	0.79	1.95	-72.1	4.64	24040437-018A
MW-358	4/17/2024	10:17	16.2	61.2	7.69	2,511.3	0.54	22.55	-279.9	3.81	24040437-019A
MW-366	4/16/2024	14:43	16.4	61.5	6.77	1,447.1	0.75	27.93	67.0	16.54	24040437-020A
MW-369	4/16/2024	13:18	16.3	61.3	7.00	991.1	0.68	4.52	-46.6	10.49	24040437-021A
MW-370	4/16/2024	13:39	18.4	65.1	7.59	4,470.0	0.81	2.01	20.0	17.95	24040437-022A
MW-375	4/17/2024	13:47	15.6	60.1	7.81	1,261.0	0.76	4.72	-4.5	34.05	24040437-023A
MW-377	4/17/2024	14:26	18.0	64.4	7.12	1,117.0	0.26	9.45	-28.4	7.72	24040437-024A
MW-382	4/17/2024	13:07	17.2	63.0	7.70	1,786.8	0.13	149.34	-27.0	16.47	24040437-025A
MW-383	4/17/2024	10:52	19.3	66.7	7.58	1,138.7	0.66	5.25	-43.6	20.59	24040437-026A
MW-384	4/17/2024	11:17	18.4	65.1	8.07	2,158.6	0.66	4.56	-18.4	16.22	24040437-027A
MW-390	4/16/2024	14:19	18.1	64.6	7.19	1,541.5	0.70	5.98	22.8	6.71	24040437-028A
MW-391	4/18/2024	9:32	Dry- No Sample							71.48	24040437-029A
MW-392	4/16/2024	11:52	17.5	63.5	7.67	2,685.7	0.90	7.80	-117.5	8.83	24040437-030A
MW-393	4/16/2024	11:04	17.1	62.8	8.16	3,232.1	0.70	7.60	-165.9	8.25	24040437-031A
MW-394	4/16/2024	10:10	16.9	62.4	7.90	3,243.9	0.72	2.83	-267.7	6.64	24040437-032A
OW-156	4/17/2024	15:24	14.7	58.5	6.68	939.4	4.29	16.89	39.6	6.14	24040437-033A
OW-157	4/17/2024	15:15	17.9	64.2	6.29	4,099.6	3.83	34.99	49.1	5.98	24040437-034A
OW-256	4/17/2024	15:00	22.0	71.6	6.89	632.1	1.04	10.99	73.7	8.61	24040437-035A
OW-257	4/17/2024	14:29	22.8	73.0	7.18	858.0	2.06	19.21	60.6	6.50	24040437-036A
PZ-170	4/17/2024	10:45	16.4	61.5	6.62	1,866.5	0.70	4.04	-174.3	14.25	24040437-037A
PZ-182	4/17/2024	11:58	18.1	64.6	6.66	1,165.2	1.06	13.22	-140.6	17.16	24040437-038A
TPZ-164	4/18/2024	12:29	15.8	60.4	7.25	860.6	1.66	2.19	-122.8	3.68	24040437-039A
XPW01	4/18/2024	8:41	14.9	58.8	6.88	733.7	0.82	6.64	-110.2	9.70	24040437-040A
XPW05	4/18/2024	9:20	17.6	63.7	7.03	859.0	1.40	13.36	-100.9	4.56	24040437-041A
XPW06	4/18/2024	9:47	14.2	57.6	7.16	672.9	0.76	1.79	-99.3	2.24	24040437-042A

Site Samping Event: Baldwin- 2Q24
LIMS Workorder: 240040437
Technician(s): JC, TC, BG, PY

Stabilized Field Parameters
Baldwin- 2Q 2024

Well ID	Date	Time	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	DTW (ft)	LIMS ID
Field Blank	4/18/2024	11:45	QA/QC Sample								24040437-043A
MW-304 Duplicate	4/16/2024	11:30	17.3	63.1	7.81	2,465.0	0.21	7.09	43.8	9.21	24040437-044A
Equipment Blank 1	4/18/2024	15:20	QA/QC Sample								24040437-045A

Site Samping Event: Baldwin- 2Q24
LIMS Workorder: 240040437
Technician(s): JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Baldwin- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-104DR	4/16/2024	13:35	8.76	17.5	63.5	7.06	999.6	1.16	11.77	77.2
MW-104DR	4/16/2024	13:38	8.76	17.9	64.2	7.06	1,001.5	1.01	11.39	75.8
MW-104DR	4/16/2024	13:41	8.76	18.0	64.4	7.06	1,000.5	0.94	13.08	75.0
MW-104DR	4/16/2024	13:44	8.76	18.0	64.4	7.06	998.2	0.89	13.82	74.4
MW-104DR	4/16/2024	13:47	8.76	18.0	64.4	7.05	998.2	0.81	14.60	74.0

Site Samping Event: Baldwin- 2Q24
LIMS Workorder: 240040437
Technician(s): JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Baldwin- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-104SR	4/16/2024	14:17	8.66	15.3	59.5	6.80	1,153.0	0.75	15.75	-60.8
MW-104SR	4/16/2024	14:20	8.66	15.1	59.2	6.81	1,152.7	0.66	16.76	-70.5
MW-104SR	4/16/2024	14:23	8.66	15.0	59.0	6.81	1,154.1	0.58	21.67	-76.8
MW-104SR	4/16/2024	14:26	8.66	15.0	59.0	6.81	1,148.8	0.71	24.22	-81.4
MW-104SR	4/16/2024	14:29	8.66	15.0	59.0	6.81	1,146.0	0.78	33.98	-84.8
MW-104SR	4/16/2024	14:32	8.66	15.1	59.2	6.80	1,140.9	0.76	44.15	-85.8

Site Samping Event: Baldwin- 2Q24
LIMS Workorder: 240040437
Technician(s): JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Baldwin- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-150	4/17/2024	11:38	18.86	14.7	58.5	7.07	1,566.7	2.32	2.73	-48.0
MW-150	4/17/2024	11:41	18.86	14.5	58.1	7.06	1,562.7	2.26	1.95	-31.3
MW-150	4/17/2024	11:44	18.86	14.5	58.1	7.05	1,568.5	2.37	2.04	-18.9

Site Samping Event: Baldwin- 2Q24
LIMS Workorder: 240040437
Technician(s): JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Baldwin- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-151	4/18/2024	11:36	6.66	14.8	58.6	6.81	1,072.6	1.05	19.18	23.5
MW-151	4/18/2024	11:39	6.66	15.2	59.4	6.80	1,072.3	0.92	15.44	37.8
MW-151	4/18/2024	11:42	6.66	15.6	60.1	6.80	1,066.2	0.86	13.82	47.3
MW-151	4/18/2024	11:45	6.66	15.9	60.6	6.80	1,058.9	0.83	13.63	53.9

Site Samping Event: Baldwin- 2Q24
LIMS Workorder: 240040437
Technician(s): JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Baldwin- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-152	4/18/2024	10:23	6.23	13.6	56.5	6.72	1,400.6	0.86	52.55	85.9
MW-152	4/18/2024	10:26	6.23	13.6	56.5	6.72	1,400.0	0.81	44.46	88.3
MW-152	4/18/2024	10:29	6.23	13.8	56.8	6.72	1,397.9	0.78	43.55	90.2
MW-152	4/18/2024	10:32	6.23	13.9	57.0	6.72	1,398.1	0.77	36.49	91.9
MW-152	4/18/2024	10:35	6.23	14.2	57.6	6.72	1,396.8	0.75	31.81	93.3
MW-152	4/18/2024	10:38	6.23	14.2	57.6	6.72	1,398.1	0.74	27.65	94.7
MW-152	4/18/2024	10:41	6.23	14.1	57.4	6.72	1,399.7	0.73	25.07	95.8

Site Samping Event: Baldwin- 2Q24
LIMS Workorder: 240040437
Technician(s): JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Baldwin- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-153	4/18/2024	10:38	13.43	15.3	59.5	6.86	626.3	1.94	19.89	27.8
MW-153	4/18/2024	10:41	13.43	15.3	59.5	6.86	626.0	1.89	21.98	27.6
MW-153	4/18/2024	10:44	13.43	15.3	59.5	6.87	626.0	1.86	22.72	28.3
MW-153	4/18/2024	10:47	13.43	15.3	59.5	6.87	626.0	1.87	23.87	29.1

Site Samping Event: Baldwin- 2Q24
LIMS Workorder: 240040437
Technician(s): JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Baldwin- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-154	4/16/2024	9:35	10.56	Dry- No Sample						

Site Samping Event: Baldwin- 2Q24
LIMS Workorder: 240040437
Technician(s): JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Baldwin- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-155	4/17/2024	12:31		14.5	58.1	7.05	646.8	2.31	143.12	22.5
MW-155	4/17/2024	12:34		15.4	59.7	7.03	644.6	1.87	130.61	25.3
MW-155	4/17/2024	12:37		16.2	61.2	7.02	646.6	1.70	98.31	28.1
MW-155	4/17/2024	12:40		16.9	62.4	7.02	647.2	1.72	78.94	30.9
MW-155	4/17/2024	12:43		17.5	63.5	7.02	646.7	1.86	61.21	33.6
MW-155	4/17/2024	12:46		17.7	63.9	7.02	648.0	1.93	42.26	35.9
MW-155	4/17/2024	12:49		17.8	64.0	7.02	646.7	1.98	32.91	38.3
MW-155	4/17/2024	12:52		18.0	64.4	7.02	646.4	2.06	28.80	40.1
MW-155	4/17/2024	12:55		18.0	64.4	7.02	645.5	2.11	21.80	41.4

Site Samping Event: Baldwin- 2Q24
LIMS Workorder: 240040437
Technician(s): JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Baldwin- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-192	4/16/2024	11:33	8.24	17.5	63.5	6.99	575.8	1.59	6.21	-16.3
MW-192	4/16/2024	11:36	8.24	17.3	63.1	6.96	573.5	0.98	4.92	-15.3
MW-192	4/16/2024	11:39	8.24	17.3	63.1	6.96	572.2	0.81	5.08	-14.9

Site Samping Event: Baldwin- 2Q24
LIMS Workorder: 240040437
Technician(s): JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Baldwin- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-193	4/16/2024	10:38	8.86	18.0	64.4	6.83	708.3	2.62	11.19	20.4
MW-193	4/16/2024	10:41	8.86	17.9	64.2	6.82	706.6	2.31	9.43	26.9
MW-193	4/16/2024	10:44	8.86	17.8	64.0	6.81	706.4	2.09	8.24	29.5

Site Samping Event: Baldwin- 2Q24
LIMS Workorder: 240040437
Technician(s): JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Baldwin- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-252	4/18/2024	10:49	4.4	16.2	61.2	6.74	1,694.7	0.99	20.26	85.3
MW-252	4/18/2024	10:52	4.4	16.6	61.9	6.77	1,696.3	0.81	19.11	81.7
MW-252	4/18/2024	10:55	4.4	17.4	63.3	6.78	1,683.8	0.76	21.72	79.6
MW-252	4/18/2024	10:58	4.4	17.9	64.2	6.79	1,693.4	0.74	23.23	79.0

Site Samping Event: Baldwin- 2Q24
LIMS Workorder: 240040437
Technician(s): JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Baldwin- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-253	4/16/2024	10:02	15.26	**Request not to Sample per Ramboll*						

Site Samping Event: Baldwin- 2Q24
LIMS Workorder: 240040437
Technician(s): JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Baldwin- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-304	4/16/2024	11:12	9.21	16.7	62.1	7.82	2,487.0	0.52	3.87	8.4
MW-304	4/16/2024	11:15	9.21	16.7	62.1	7.82	2,486.2	0.34	6.03	18.9
MW-304	4/16/2024	11:18	9.21	16.8	62.2	7.82	2,478.2	0.28	2.15	26.4
MW-304	4/16/2024	11:21	9.21	16.8	62.2	7.82	2,478.5	0.25	4.14	32.1
MW-304	4/16/2024	11:24	9.21	17.2	63.0	7.81	2,473.9	0.23	7.29	36.4
MW-304	4/16/2024	11:27	9.21	17.3	63.1	7.81	2,470.1	0.22	4.75	40.3
MW-304	4/16/2024	11:30	9.21	17.3	63.1	7.81	2,465.0	0.21	7.09	43.8

Site Samping Event: Baldwin- 2Q24
LIMS Workorder: 240040437
Technician(s): JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Baldwin- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-306	4/16/2024	10:38	17.54	**Request not to Sample per Ramboll*						

Site Samping Event: Baldwin- 2Q24
LIMS Workorder: 240040437
Technician(s): JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Baldwin- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-350	4/16/2024	12:25	23.98	**Request not to Sample per Ramboll*						

Site Samping Event: Baldwin- 2Q24
LIMS Workorder: 240040437
Technician(s): JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Baldwin- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-352	4/18/2024	11:11	3.55	16.6	61.9	7.32	2,151.4	3.28	1.49	-106.4
MW-352	4/18/2024	11:14	3.55	16.7	62.1	7.37	2,178.5	3.04	1.66	-100.6
MW-352	4/18/2024	11:17	3.55	16.7	62.1	7.40	2,189.0	2.85	1.99	-97.0
MW-352	4/18/2024	11:20	3.55	17.0	62.6	7.41	2,191.7	2.90	2.60	-93.7

Site Samping Event: Baldwin- 2Q24
LIMS Workorder: 240040437
Technician(s): JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Baldwin- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-355	4/17/2024	12:14	23.71	15.4	59.7	7.11	663.8	1.06	5.68	-51.6
MW-355	4/17/2024	12:17	23.71	15.3	59.5	7.10	660.8	0.83	4.08	-40.0
MW-355	4/17/2024	12:20	23.71	15.2	59.4	7.10	659.7	0.75	3.87	-30.6
MW-355	4/17/2024	12:23	23.71	15.2	59.4	7.09	660.1	0.71	3.42	-23.6

Site Samping Event: Baldwin- 2Q24
LIMS Workorder: 240040437
Technician(s): JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Baldwin- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-356	4/16/2024	12:14	4.64	16.2	61.2	7.78	972.6	1.73	3.17	-70.3
MW-356	4/16/2024	12:17	4.64	16.2	61.2	7.77	964.2	1.10	2.81	-80.2
MW-356	4/16/2024	12:20	4.64	16.2	61.2	7.77	940.4	0.87	2.15	-79.3
MW-356	4/16/2024	12:23	4.64	16.2	61.2	7.77	922.8	0.79	1.95	-72.1

Site Samping Event: Baldwin- 2Q24
LIMS Workorder: 240040437
Technician(s): JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Baldwin- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-358	4/17/2024	9:42	3.81	16.2	61.2	7.94	3,610.0	0.59	18.96	-163.4
MW-358	4/17/2024	9:45	3.81	16.2	61.2	7.94	3,510.8	0.58	28.33	-164.9
MW-358	4/17/2024	9:48	3.81	16.2	61.2	7.95	3,402.3	0.57	56.23	-164.2
MW-358	4/17/2024	9:51	3.81	16.1	61.0	7.96	3,263.7	0.56	80.39	-165.1
MW-358	4/17/2024	9:54	3.81	16.2	61.2	7.96	3,168.1	0.55	63.76	-170.0
MW-358	4/17/2024	9:57	3.81	16.1	61.0	7.94	3,047.6	0.54	93.23	-185.5
MW-358	4/17/2024	10:00	3.81	16.2	61.2	7.86	2,924.0	0.54	96.35	-219.8
MW-358	4/17/2024	10:03	3.81	16.1	61.0	7.77	2,725.5	0.55	27.16	-246.6
MW-358	4/17/2024	10:08	3.81	16.1	61.0	7.73	2,598.4	1.88	13.36	-248.0
MW-358	4/17/2024	10:11	3.81	16.1	61.0	7.71	2,560.3	0.66	13.72	-264.0
MW-358	4/17/2024	10:14	3.81	16.1	61.0	7.70	2,536.0	0.57	19.35	-273.3
MW-358	4/17/2024	10:17	3.81	16.2	61.2	7.69	2,511.3	0.54	22.55	-279.9

Site Samping Event: Baldwin- 2Q24
LIMS Workorder: 240040437
Technician(s): JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Baldwin- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-366	4/16/2024	14:34	16.54	15.8	60.4	6.79	1,468.0	1.08	31.48	58.2
MW-366	4/16/2024	14:37	16.54	16.2	61.2	6.78	1,457.9	0.88	27.14	61.9
MW-366	4/16/2024	14:40	16.54	16.3	61.3	6.78	1,452.5	0.79	25.84	64.8
MW-366	4/16/2024	14:43	16.54	16.4	61.5	6.77	1,447.1	0.75	27.93	67.0

Site Samping Event: Baldwin- 2Q24
LIMS Workorder: 240040437
Technician(s): JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Baldwin- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-369	4/16/2024	12:57	10.49	16.4	61.5	8.41	1,811.2	0.83	36.91	-120.5
MW-369	4/16/2024	13:00	10.49	16.2	61.2	8.44	1,676.1	0.77	42.25	-110.9
MW-369	4/16/2024	13:09	10.49	16.0	60.8	7.78	1,336.6	1.79	5.59	-47.8
MW-369	4/16/2024	13:12	10.49	16.3	61.3	7.33	1,213.1	0.85	5.28	-57.3
MW-369	4/16/2024	13:15	10.49	16.4	61.5	7.08	1,077.1	0.72	4.76	-52.1
MW-369	4/16/2024	13:18	10.49	16.3	61.3	7.00	991.1	0.68	4.52	-46.6

Site Samping Event: Baldwin- 2Q24
LIMS Workorder: 240040437
Technician(s): JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Baldwin- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-370	4/16/2024	13:30	17.95	17.0	62.6	7.56	4,333.5	1.90	2.59	12.0
MW-370	4/16/2024	13:33	17.95	17.2	63.0	7.59	4,437.7	1.06	2.40	9.9
MW-370	4/16/2024	13:36	17.95	18.2	64.8	7.59	4,444.5	0.85	2.28	14.7
MW-370	4/16/2024	13:39	17.95	18.4	65.1	7.59	4,470.0	0.81	2.01	20.0

Site Samping Event: Baldwin- 2Q24
LIMS Workorder: 240040437
Technician(s): JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Baldwin- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-375	4/17/2024	13:41	34.05	15.6	60.1	7.83	1,299.6	1.03	5.38	-15.4
MW-375	4/17/2024	13:44	34.05	15.5	59.9	7.81	1,278.3	0.82	5.32	-10.7
MW-375	4/17/2024	13:47	34.05	15.6	60.1	7.81	1,261.0	0.76	4.72	-4.5

Site Samping Event: Baldwin- 2Q24
LIMS Workorder: 240040437
Technician(s): JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Baldwin- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-377	4/17/2024	14:17	7.72	18.0	64.4	7.12	1,131.7	0.71	5.52	-39.1
MW-377	4/17/2024	14:20	7.72	17.9	64.2	7.12	1,124.3	0.42	9.16	-36.0
MW-377	4/17/2024	14:23	7.72	18.0	64.4	7.12	1,118.9	0.32	7.99	-31.9
MW-377	4/17/2024	14:26	7.72	18.0	64.4	7.12	1,117.0	0.26	9.45	-28.4

Site Samping Event: Baldwin- 2Q24
LIMS Workorder: 240040437
Technician(s): JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Baldwin- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-382	4/17/2024	12:49	16.47	17.1	62.8	7.77	1,837.1	0.47	31.66	-59.2
MW-382	4/17/2024	12:52	16.47	17.1	62.8	7.74	1,808.3	0.25	74.42	-42.8
MW-382	4/17/2024	12:55	16.47	17.0	62.6	7.72	1,796.3	0.19	130.35	-33.5
MW-382	4/17/2024	12:58	16.47	17.0	62.6	7.71	1,795.9	0.16	170.68	-29.2
MW-382	4/17/2024	13:01	16.47	17.2	63.0	7.71	1,794.8	0.14	133.13	-27.4
MW-382	4/17/2024	13:04	16.47	17.1	62.8	7.70	1,795.2	0.14	150.14	-26.5
MW-382	4/17/2024	13:07	16.47	17.2	63.0	7.70	1,786.8	0.13	149.34	-27.0

Site Samping Event: Baldwin- 2Q24
LIMS Workorder: 240040437
Technician(s): JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Baldwin- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-383	4/17/2024	10:40	20.59	19.4	66.9	7.63	1,138.9	1.34	5.93	-82.2
MW-383	4/17/2024	10:43	20.59	19.4	66.9	7.62	1,144.0	0.94	6.44	-66.3
MW-383	4/17/2024	10:46	20.59	19.4	66.9	7.60	1,142.8	0.77	5.21	-56.7
MW-383	4/17/2024	10:49	20.59	19.4	66.9	7.59	1,140.4	0.69	4.60	-49.6
MW-383	4/17/2024	10:52	20.59	19.3	66.7	7.58	1,138.7	0.66	5.25	-43.6

Site Samping Event: Baldwin- 2Q24
LIMS Workorder: 240040437
Technician(s): JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Baldwin- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-384	4/17/2024	11:08	16.22	18.4	65.1	8.06	2,154.0	1.17	8.03	-24.2
MW-384	4/17/2024	11:11	16.22	18.4	65.1	8.07	2,160.0	0.82	5.12	-23.3
MW-384	4/17/2024	11:14	16.22	18.4	65.1	8.08	2,160.8	0.71	5.62	-21.2
MW-384	4/17/2024	11:17	16.22	18.4	65.1	8.07	2,158.6	0.66	4.56	-18.4

Site Samping Event: Baldwin- 2Q24
LIMS Workorder: 240040437
Technician(s): JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Baldwin- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-390	4/16/2024	14:10	6.71	18.3	64.9	7.23	1,907.6	1.11	7.49	-6.7
MW-390	4/16/2024	14:13	6.71	18.2	64.8	7.21	1,807.1	0.82	6.91	7.2
MW-390	4/16/2024	14:16	6.71	18.3	64.9	7.20	1,689.6	0.75	5.88	16.6
MW-390	4/16/2024	14:19	6.71	18.1	64.6	7.19	1,541.5	0.70	5.98	22.8

Site Samping Event: Baldwin- 2Q24
LIMS Workorder: 240040437
Technician(s): JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Baldwin- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-391	4/18/2024	9:32	71.48	Dry- No Sample						

Site Samping Event: Baldwin- 2Q24
LIMS Workorder: 240040437
Technician(s): JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Baldwin- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-392	4/16/2024	11:46	8.83	17.6	63.7	7.65	2,658.5	1.77	7.69	-105.2
MW-392	4/16/2024	11:49	8.83	17.6	63.7	7.66	2,679.9	1.13	9.53	-115.2
MW-392	4/16/2024	11:52	8.83	17.5	63.5	7.67	2,685.7	0.90	7.80	-117.5

Site Samping Event: Baldwin- 2Q24
LIMS Workorder: 240040437
Technician(s): JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Baldwin- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-393	4/16/2024	10:58	8.25	16.9	62.4	8.16	3,105.0	1.22	7.16	-157.3
MW-393	4/16/2024	11:01	8.25	16.9	62.4	8.16	3,216.3	0.79	4.79	-162.0
MW-393	4/16/2024	11:04	8.25	17.1	62.8	8.16	3,232.1	0.70	7.60	-165.9

Site Samping Event: Baldwin- 2Q24
LIMS Workorder: 240040437
Technician(s): JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Baldwin- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-394	4/16/2024	10:04	6.64	16.5	61.7	7.87	3,299.8	0.88	2.81	-206.2
MW-394	4/16/2024	10:07	6.64	16.8	62.2	7.88	3,286.0	0.79	2.41	-236.8
MW-394	4/16/2024	10:10	6.64	16.9	62.4	7.90	3,243.9	0.72	2.83	-267.7

Site Samping Event: Baldwin- 2Q24
LIMS Workorder: 240040437
Technician(s): JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Baldwin- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
OW-156	4/17/2024	15:24	6.14	14.7	58.5	6.68	939.4	4.29	16.89	39.6

Site Samping Event: Baldwin- 2Q24
LIMS Workorder: 240040437
Technician(s): JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Baldwin- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
OW-157	4/17/2024	15:15	5.98	17.9	64.2	6.29	4,099.6	3.83	34.99	49.1

Site Samping Event: Baldwin- 2Q24
LIMS Workorder: 240040437
Technician(s): JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Baldwin- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
OW-256	4/17/2024	14:45	8.61	18.6	65.5	7.07	631.1	1.85	12.18	73.8
OW-256	4/17/2024	14:48	8.61	18.0	64.4	7.03	630.8	1.66	14.03	76.3
OW-256	4/17/2024	14:51	8.61	17.9	64.2	6.96	635.8	1.41	20.03	78.1
OW-256	4/17/2024	14:54	8.61	18.1	64.6	6.91	640.3	1.11	15.66	78.1
OW-256	4/17/2024	14:57	8.61	18.9	66.0	6.90	639.2	1.06	13.05	76.1
OW-256	4/17/2024	15:00	8.61	22.0	71.6	6.89	632.1	1.04	10.99	73.7

Site Samping Event: Baldwin- 2Q24
LIMS Workorder: 240040437
Technician(s): JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Baldwin- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
OW-257	4/17/2024	14:14	6.5	21.6	70.9	7.16	849.2	2.19	28.90	63.5
OW-257	4/17/2024	14:17	6.5	20.5	68.9	7.18	863.1	2.07	42.92	69.4
OW-257	4/17/2024	14:20	6.5	21.1	70.0	7.17	853.3	2.06	50.07	64.1
OW-257	4/17/2024	14:23	6.5	23.2	73.8	7.16	854.5	2.09	26.60	62.2
OW-257	4/17/2024	14:26	6.5	22.6	72.7	7.18	862.3	2.08	24.79	61.4
OW-257	4/17/2024	14:29	6.5	22.8	73.0	7.18	858.0	2.06	19.21	60.6

Site Samping Event: Baldwin- 2Q24
LIMS Workorder: 240040437
Technician(s): JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Baldwin- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
PZ-170	4/17/2024	10:36	14.25	16.7	62.1	6.61	1,666.4	1.09	5.79	-123.9
PZ-170	4/17/2024	10:39	14.25	16.3	61.3	6.61	1,708.8	0.87	5.53	-143.1
PZ-170	4/17/2024	10:42	14.25	16.4	61.5	6.60	1,978.5	0.78	4.92	-187.5
PZ-170	4/17/2024	10:45	14.25	16.4	61.5	6.62	1,866.5	0.70	4.04	-174.3

Site Samping Event: Baldwin- 2Q24
LIMS Workorder: 240040437
Technician(s): JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Baldwin- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
PZ-182	4/17/2024	11:46	17.16	18.0	64.4	6.65	1,167.1	1.00	41.94	-153.8
PZ-182	4/17/2024	11:49	17.16	17.8	64.0	6.66	1,167.6	1.06	22.00	-150.5
PZ-182	4/17/2024	11:52	17.16	18.0	64.4	6.66	1,167.4	1.15	15.18	-146.3
PZ-182	4/17/2024	11:55	17.16	18.2	64.8	6.66	1,166.4	1.11	23.92	-141.7
PZ-182	4/17/2024	11:58	17.16	18.1	64.6	6.66	1,165.2	1.06	13.22	-140.6

Site Samping Event: Baldwin- 2Q24
LIMS Workorder: 240040437
Technician(s): JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Baldwin- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
TPZ-164	4/18/2024	12:17	3.68	15.7	60.3	7.24	859.5	1.97	7.77	-118.2
TPZ-164	4/18/2024	12:20	3.68	15.5	59.9	7.25	862.0	1.90	4.71	-118.9
TPZ-164	4/18/2024	12:23	3.68	15.4	59.7	7.25	863.2	1.80	4.30	-120.6
TPZ-164	4/18/2024	12:26	3.68	15.4	59.7	7.25	861.6	1.74	3.02	-121.7
TPZ-164	4/18/2024	12:29	3.68	15.8	60.4	7.25	860.6	1.66	2.19	-122.8

Site Samping Event: Baldwin- 2Q24
LIMS Workorder: 240040437
Technician(s): JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Baldwin- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
XPW01	4/18/2024	8:32	9.7	14.7	58.5	6.87	739.4	1.06	9.48	-97.9
XPW01	4/18/2024	8:35	9.7	14.8	58.6	6.88	736.3	0.92	12.15	-105.6
XPW01	4/18/2024	8:38	9.7	14.8	58.6	6.88	733.7	0.88	10.63	-108.6
XPW01	4/18/2024	8:41	9.7	14.9	58.8	6.88	733.7	0.82	6.64	-110.2

Site Samping Event: Baldwin- 2Q24
LIMS Workorder: 240040437
Technician(s): JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Baldwin- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
XPW05	4/18/2024	9:11	4.56	17.7	63.9	6.96	881.1	1.85	20.27	-97.4
XPW05	4/18/2024	9:14	4.56	17.7	63.9	6.99	871.8	1.66	17.69	-100.4
XPW05	4/18/2024	9:17	4.56	17.6	63.7	7.01	864.2	1.53	14.93	-97.3
XPW05	4/18/2024	9:20	4.56	17.6	63.7	7.03	859.0	1.40	13.36	-100.9

Site Samping Event: Baldwin- 2Q24
LIMS Workorder: 240040437
Technician(s): JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Baldwin- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
XPW06	4/18/2024	9:38	2.24	14.2	57.6	7.19	738.9	1.12	15.01	-116.5
XPW06	4/18/2024	9:41	2.24	14.1	57.4	7.19	670.8	0.85	4.19	-107.3
XPW06	4/18/2024	9:44	2.24	14.1	57.4	7.17	670.9	0.78	2.65	-102.2
XPW06	4/18/2024	9:47	2.24	14.2	57.6	7.16	672.9	0.76	1.79	-99.3

Site Samping Event: Baldwin- 2Q24
LIMS Workorder: 240040437
Technician(s): JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Baldwin- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
Field Blank	4/18/2024	11:45	QA/QC Sample							

Site Samping Event: Baldwin- 2Q24
LIMS Workorder: 240040437
Technician(s): JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Baldwin- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-304 Duplicate	4/16/2024	11:12	9.21	16.7	62.1	7.82	2,487.0	0.52	3.87	8.4
MW-304 Duplicate	4/16/2024	11:15	9.21	16.7	62.1	7.82	2,486.2	0.34	6.03	18.9
MW-304 Duplicate	4/16/2024	11:18	9.21	16.8	62.2	7.82	2,478.2	0.28	2.15	26.4
MW-304 Duplicate	4/16/2024	11:21	9.21	16.8	62.2	7.82	2,478.5	0.25	4.14	32.1
MW-304 Duplicate	4/16/2024	11:24	9.21	17.2	63.0	7.81	2,473.9	0.23	7.29	36.4
MW-304 Duplicate	4/16/2024	11:27	9.21	17.3	63.1	7.81	2,470.1	0.22	4.75	40.3
MW-304 Duplicate	4/16/2024	11:30	9.21	17.3	63.1	7.81	2,465.0	0.21	7.09	43.8

Site Samping Event: Baldwin- 2Q24
LIMS Workorder: 240040437
Technician(s): JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Baldwin- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
Equipment Blank 1	4/18/2024	15:20	QA/QC Sample							

Site Samping Event: Baldwin- 2Q24
LIMS Workorder: 240040437
Technician(s): JC, TC, BG, PY

Field Calibration Log(s)
Baldwin- 2Q 2024

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 26599 Technician(s): justin colp Date: 4/16/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230830b	3.98	4/16/24 9:58
7.0 Buffer	wc240307f	7.00	4/16/24 9:52
10.0 Buffer	wc231027d	9.96	4/16/24 10:01
LCS/CCV (7.0 Buffer)			

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1412	4/16/24 10:04

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.09	4/16/24 10:04
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-1	LCS	4/16/24 10:04	16.9	7.00	1,414	0.04		
CCV-1	CCV	4/16/24 14:48	20.1	7.04	1,446	0.06		

Comments:

Field Meter ID: Pine 26599 Technician(s): justin colp Date: 4/17/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230830b	3.99	4/17/24 9:14
7.0 Buffer	wc240307f	7.00	4/17/24 9:08
10.0 Buffer	wc231027d	9.97	4/17/24 9:16
LCS/CCV (7.0 Buffer)			

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1413	4/17/24 9:19

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.08	4/17/24 9:20
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-2	LCS	4/17/24 9:22	19.2	7.01	1,413	0.08		
CCV-M-2	CCV	4/17/24 11:55	20.7	7.04	1,423	0.1		
CCV-2	CCV	4/17/24 15:03	22.1	7.05	1,427	0.1		

Comments:

Site Samping Event: Baldwin- 2Q24
LIMS Workorder: 240040437
Technician(s): JC, TC, BG, PY

Field Calibration Log(s)
Baldwin- 2Q 2024

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 26599 Technician(s): justin colp Date: 4/18/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230830b	4.00	4/18/24 8:04
7.0 Buffer	wc240307f	7.01	4/18/24 7:59
10.0 Buffer	wc231027d	10.01	4/18/24 8:09
LCS/CCV (7.0 Buffer)			

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1413	4/18/24 8:12

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.45	4/18/24 8:13
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-3	LCS	4/18/24 8:16	18.3	7.01	1,413	0.45		
CCV-3	CCV	4/18/24 11:48	21.1	7.04	1,425	0.49		

Comments:

Field Meter ID: Technician(s): Date:

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer			
7.0 Buffer			
10.0 Buffer			
LCS/CCV (7.0 Buffer)			

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.			

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1		
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-4	LCS							
CCV-M-4	CCV							
CCV-4	CCV							

Comments:

Site Samping Event: Baldwin- 2Q24
LIMS Workorder: 240040437
Technician(s): JC, TC, BG, PY

Field Calibration Log(s)
Baldwin- 2Q 2024

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 218083 Technician(s): Tracy Carroll/ Payton Yoch Date: 4/16/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230830B	4.00	4/16/24 10:33
7.0 Buffer	WC240307F	7.00	4/16/24 10:28
10.0 Buffer	WC230619B	10.00	4/16/24 10:35
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1412	4/16/24 10:39

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1		
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-1	LCS	4/16/24 10:42	21.8	7.07	1,412	1.46		
CCV-1	CCV	4/16/24 14:46	26.5	7.10	1,410	1.43		

Comments:

Field Meter ID: Pine 218083 Technician(s): Tracy Carroll/ Payton Yoch Date: 4/17/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230830B	4.00	4/17/24 9:56
7.0 Buffer	WC240307F	7.02	4/17/24 9:56
10.0 Buffer	WC230619B	10.00	4/17/24 9:57
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1412	4/17/24 10:02

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1		
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-2	LCS	4/17/24 10:06	20.8	7.06	1,409	0.46		
CCV-2	CCV	4/17/24 15:39	25.3	7.00	1,425	1.66		

Comments:

Site Samping Event: Baldwin- 2Q24
LIMS Workorder: 240040437
Technician(s): JC, TC, BG, PY

Field Calibration Log(s)
Baldwin- 2Q 2024

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 218083 Technician(s): Tracy Carroll/ Payton Yoch Date: 4/18/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230830B	3.96	4/18/24 9:22
7.0 Buffer	WC240307F	7.01	4/18/24 9:23
10.0 Buffer	WC230619B	9.95	4/18/24 9:25
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1413	4/18/24 9:25

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1		
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-3	LCS	4/18/24 9:29	18.9	7.04	1,367	0.67		
CCV-M-3	CCV	4/18/24 11:56	20.6	7.04	1,411	0.5		
CCV-3	CCV	4/18/24 14:04	23.7	7.05	1,432	0.45		

Comments:

Field Meter ID: Technician(s): Date:

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer			
7.0 Buffer			
10.0 Buffer			
LCS/CCV (7.0 Buffer)			

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.			

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1		
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-4	LCS							
CCV-M-4	CCV							
CCV-4	CCV							

Comments:

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 26599
Description YSI ProDSS
Calibrated 3/25/2024 12:25:29PM

Group # 5
Group Name Disolved Oxygen Span
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.0

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
100.0 / 100.0	%	100.0	%	96.9	99.3	-0.70%	Pass

Test Instruments Used During the Calibration (As Of Cal Entry Date)

Test Standard ID	Description	Manufacturer	Model Number	Serial Number / Lot Number	Last Cal Date/ Opened Date	Next Cal Date / Expiration Date
STL 126 NTU L#23E24002133	STL 126 NTU L#23E24002133	YSI	126 NTU	23E24002133		5/20/2024
STL 1413 COND L#4GB0749	STL 1413 COND L#4GB0749	AquaPhoenix Scientific	31986	4GB0749		2/25/2025
STL AUTOCAL L#24009059	Auto Cal Solution 0 NTU/PH 4	GFS	8483	24009059		3/20/2025
STL ORP SOLUTION 240MV L#3GJ0994	STL ORP SOLUTION 240MV L#3GJ0994	AquaPhoenix Scientific	ORP Solution	3GJ0994		7/25/2024
STL PH10 #3GK0004	STL PH10 #3GK0004	AquaPhoenix Scientific	PH 10	3GK0004		11/25/2025
STL PH4 L#3GH0675	STL pH4 L#3GH0675	AquaPhoenix Scientific	pH 4	3GH0675		8/25/2025
STL PH7 L#3GK1332	STL PH7 L#3GK1332	AquaPhoenix Scientific	PH7	3GK1332		11/25/2025

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated Chris Harkins

All instruments are calibrated by Pine Environmental Services LLC according to the manufacturer's specifications, but it is the customer's responsibility to calibrate and maintain this unit in accordance with the manufacturer's specifications and/or the customer's own specific needs.

Notify Pine Environmental Services LLC of any defect within 24 hours of receipt of equipment
Please call 800-301-9663 for Technical Assistance

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 26599
Description YSI ProDSS
Calibrated 3/25/2024 12:25:29PM

Manufacturer YSI
Model Number ProDSS
Serial Number/ Lot Number 15H101893
Location St. Louis
Department

State Certified
Status Pass
Temp °C 22.2
Humidity % 43

Calibration Specifications

Group # 1
Group Name PH
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
7.00 / 7.00	PH	7.00	PH	7.25	7.02	0.29%	Pass
4.00 / 4.00	PH	4.00	PH	4.31	4.00	0.00%	Pass
10.00 / 10.00	PH	10.00	PH	10.15	10.05	0.50%	Pass

Group # 2
Group Name Turbidity
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
0.00 / 0.00	NTU	0.00	NTU	0.36	0.00	0.00%	Pass
124.00 / 124.00	NTU	124.00	NTU	118.31	124.00	0.00%	Pass

Group # 3
Group Name Conductivity
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.000

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
1.413 / 1.413	ms/cm	1.413	ms/cm	1.469	1.413	0.00%	Pass

Group # 4
Group Name Redox (ORP)
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.0

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
240.0 / 240.0	mv	240.0	mv	224.4	240.0	0.00%	Pass

Group # 5
Group Name Disolved Oxygen Span
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.0

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 218083
Description YSI Pro DSS Sonde
Calibrated 3/27/2024 5:59:58PM

Group # 5
Group Name Dissolved Oxygen Span
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
100.00 / 100.00	%	100.00	%	97.30	100.00	0.00%	Pass

Test Instruments Used During the Calibration (As Of Cal Entry Date)

Test Standard ID	Description	Manufacturer	Model Number	Serial Number / Lot Number	Last Cal Date/ Opened Date	Next Cal Date / Expiration Date
STL 126 NTU L#23E24002133	STL 126 NTU L#23E24002133	YSI	126 NTU	23E24002133		5/20/2024
STL 1413 COND L#4GB0749	STL 1413 COND L#4GB0749	AquaPhoenix Scientific	31986	4GB0749		2/25/2025
STL AUTOCAL L#24009059	Auto Cal Solution 0 NTU/PH 4	GFS	8483	24009059		3/20/2025
STL ORP SOLUTION 240MV L#3GJ0994	STL ORP SOLUTION 240MV L#3GJ0994	AquaPhoenix Scientific	ORP Solution	3GJ0994		7/25/2024
STL PH10 #3GK0004	STL PH10 #3GK0004	AquaPhoenix Scientific	PH 10	3GK0004		11/25/2025
STL PH4 L#3GH0675	STL pH4 L#3GH0675	AquaPhoenix Scientific	pH 4	3GH0675		8/25/2025
STL PH7 L#3GK1332	STL PH7 L#3GK1332	AquaPhoenix Scientific	PH7	3GK1332		11/25/2025

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated Chris Harkins

All instruments are calibrated by Pine Environmental Services LLC according to the manufacturer's specifications, but it is the customer's responsibility to calibrate and maintain this unit in accordance with the manufacturer's specifications and/or the customer's own specific needs.

Notify Pine Environmental Services LLC of any defect within 24 hours of receipt of equipment
Please call 800-301-9663 for Technical Assistance

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 218083
Description YSI Pro DSS Sonde
Calibrated 3/27/2024 5:59:58PM

Manufacturer YSI
Model Number Pro DSS
Serial Number/ Lot Number 23F102674
Location St. Louis
Department

State Certified
Status Pass
Temp °C 22.2
Humidity % 43

Calibration Specifications

Group # 1
Group Name PH
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
7.00 / 7.00	PH	7.00	PH	7.30	7.02	0.29%	Pass
4.00 / 4.00	PH	4.00	PH	4.31	4.00	0.00%	Pass
10.00 / 10.00	PH	10.00	PH	10.24	10.05	0.50%	Pass

Group # 2
Group Name Turbidity (NTU)
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
0.00 / 0.00	FNU	0.00	FNU	0.59	0.00	0.00%	Pass
124.00 / 124.00	FNU	124.00	FNU	118.44	124.00	0.00%	Pass

Group # 3
Group Name Conductivity
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.000

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
1.413 / 1.413	ms/cm	1.413	ms/cm	1.474	1.413	0.00%	Pass

Group # 4
Group Name Redox (ORP)
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
240.00 / 240.00	mv	240.00	mv	228.50	240.00	0.00%	Pass

Group # 5
Group Name Dissolved Oxygen Span
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail

Teklab, Inc.
Environmental Laboratory

http://www.teklabinc.com/

August 13, 2024

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

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

RE: BAL-24Q3 **WorkOrder:** 24061962

Dear Eric Bauer:

TEKLAB, INC received 22 samples for BAL_257_601 on 7/23/2024 1:24:00 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
Client Project: BAL-24Q3

Work Order: 24061962
Report Date: 13-Aug-24

This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	5
Accreditations	6
Laboratory Results	7
Sample Summary	49
Quality Control Results	50
Receiving Check List	113
Chain of Custody	Appended

Definitions

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

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

Definitions

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

Qualifiers

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

Case Narrative

Client: Ramboll
Client Project: BAL-24Q3

Work Order: 24061962
Report Date: 13-Aug-24

Cooler Receipt Temp: 19.9 °C

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

Equipment Blank 2 was not needed.

MW-152, OW-256, and OW-257 collection times per field file. EAH 7/25/24

Per Eric Bauer's request, only BAL_257_601 data is included in this report.

This program-specific report was revised on August 13, 2024 per Eric Bauer's request. The reason for the revision is to include MW-394 data. Please replace report dated August 12, 2024 with this report. EAH 8/13/24

Locations

Collinsville

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

Springfield

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

Kansas City

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

Collinsville Air

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

Chicago

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

Accreditations

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2025	Collinsville
Illinois	IEPA	1004652024-2	NELAP	4/30/2025	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2025	Collinsville
Louisiana	LDEQ	05002	NELAP	6/30/2025	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2025	Collinsville
Oklahoma	ODEQ	9978	NELAP	8/31/2024	Collinsville
Arkansas	ADEQ	88-0966		3/14/2025	Collinsville
Illinois	IDPH	17584		5/31/2025	Collinsville
Iowa	IDNR	430		6/1/2026	Collinsville
Kentucky	UST	0073		1/31/2025	Collinsville
Mississippi	MSDH			4/30/2025	Collinsville
Missouri	MDNR	930		1/31/2025	Collinsville
Missouri	MDNR	00930		10/31/2026	Collinsville

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

Lab ID: 24061962-009 **Client Sample ID:** MW-192

Matrix: GROUNDWATER **Collection Date:** 07/17/2024 14:12

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**8.14**	ft	1	07/17/2024 14:12	R350621
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**110**	NTU	1	07/17/2024 14:12	R350621
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-110**	mV	1	07/17/2024 14:12	R350621
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**702**	µS/cm	1	07/17/2024 14:12	R350621
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**18.9**	°C	1	07/17/2024 14:12	R350621
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.16**	mg/L	1	07/17/2024 14:12	R350621
SW-846 9040B FIELD									
pH	*	0	1.00		**6.75**		1	07/17/2024 14:12	R350621
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**377**	mg/L	1	07/18/2024 12:29	R350412
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	07/18/2024 12:29	R350412
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**430**	mg/L	1	07/19/2024 9:34	R350547
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10	S	**18**	mg/L	1	07/22/2024 23:21	R350574
Matrix spike did not recover within control limits. Results verify by dilution.									
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.45**	mg/L	1	07/18/2024 10:51	R350406
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**20**	mg/L	1	07/22/2024 23:20	R350587
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**62.2**	mg/L	1	07/19/2024 10:22	225880
Magnesium	NELAP	0.0055	0.0500		**26.6**	mg/L	1	07/19/2024 10:22	225880
Potassium	NELAP	0.0400	0.100		**0.502**	mg/L	1	07/19/2024 10:22	225880
Sodium	NELAP	0.0180	0.0500		**48.7**	mg/L	1	07/19/2024 10:22	225880
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	B	**< 0.0010**	mg/L	5	07/19/2024 14:20	225880
Arsenic	NELAP	0.0004	0.0010	J	**0.0005**	mg/L	5	07/19/2024 14:20	225880
Barium	NELAP	0.0007	0.0010		**0.0833**	mg/L	5	07/22/2024 13:03	225880
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	07/19/2024 14:20	225880
Boron	NELAP	0.0092	0.025	J	**0.025**	mg/L	5	07/19/2024 14:20	225880
Cadmium	*	0.0002	0.0010		**< 0.0010**	mg/L	5	07/19/2024 14:20	225880
Chromium	NELAP	0.0007	0.0015	J	**0.0011**	mg/L	5	07/19/2024 14:20	225880
Cobalt	NELAP	0.0001	0.0010	J	**0.0007**	mg/L	5	07/19/2024 14:20	225880
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	07/19/2024 14:20	225880
Lithium	*	0.0015	0.0030		**0.0037**	mg/L	5	07/19/2024 14:20	225880
Molybdenum	NELAP	0.0006	0.0015	J	**0.0013**	mg/L	5	07/22/2024 13:03	225880
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	07/19/2024 14:20	225880
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	07/19/2024 14:20	225880
Contamination present in the MBLK. Sample results below the reporting limit are reportable per the TNI Standard.									

Laboratory Results

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

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

Lab ID: 24061962-009 **Client Sample ID:** MW-192

Matrix: GROUNDWATER **Collection Date:** 07/17/2024 14:12

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	07/19/2024 14:20	225881

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

Lab ID: 24061962-010 **Client Sample ID:** MW-193

Matrix: GROUNDWATER **Collection Date:** 07/17/2024 8:26

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**9.19**	ft	1	07/17/2024 8:26	R350621
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**17**	NTU	1	07/17/2024 8:26	R350621
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-39**	mV	1	07/17/2024 8:26	R350621
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**940**	µS/cm	1	07/17/2024 8:26	R350621
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**18.8**	°C	1	07/17/2024 8:26	R350621
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.45**	mg/L	1	07/17/2024 8:26	R350621
SW-846 9040B FIELD									
pH	*	0	1.00		**6.96**		1	07/17/2024 8:26	R350621
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**298**	mg/L	1	07/18/2024 12:41	R350412
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	07/18/2024 12:41	R350412
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**596**	mg/L	1	07/19/2024 10:11	R350547
SW-846 9036 (TOTAL)									
Sulfate	NELAP	31	50		**175**	mg/L	5	07/22/2024 20:45	R350574
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.24**	mg/L	1	07/18/2024 10:53	R350406
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**32**	mg/L	1	07/22/2024 23:42	R350587
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**74.6**	mg/L	1	07/19/2024 9:58	225880
Magnesium	NELAP	0.0055	0.0500		**28.6**	mg/L	1	07/19/2024 9:58	225880
Potassium	NELAP	0.0400	0.100		**0.608**	mg/L	1	07/19/2024 9:58	225880
Sodium	NELAP	0.0180	0.0500		**73.1**	mg/L	1	07/19/2024 9:58	225880
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	BJ	**0.0005**	mg/L	5	07/19/2024 15:06	225880
Arsenic	NELAP	0.0004	0.0010	J	**0.0008**	mg/L	5	07/19/2024 15:06	225880
Barium	NELAP	0.0007	0.0010		**0.0681**	mg/L	5	07/22/2024 12:29	225880
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	07/19/2024 15:06	225880
Boron	NELAP	0.0092	0.0250		**0.0398**	mg/L	5	07/19/2024 15:06	225880
Cadmium	*	0.0002	0.0010		**< 0.0010**	mg/L	5	07/19/2024 15:06	225880
Chromium	NELAP	0.0007	0.0015	J	**0.0013**	mg/L	5	07/19/2024 15:06	225880
Cobalt	NELAP	0.0001	0.0010	J	**0.0008**	mg/L	5	07/19/2024 15:06	225880
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	07/19/2024 15:06	225880
Lithium	*	0.0015	0.0030		**0.0043**	mg/L	5	07/19/2024 15:06	225880
Molybdenum	NELAP	0.0006	0.0015	J	**0.0008**	mg/L	5	07/19/2024 15:06	225880
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	07/19/2024 15:06	225880
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	07/19/2024 15:06	225880

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

Laboratory Results

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

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

Lab ID: 24061962-010 **Client Sample ID:** MW-193

Matrix: GROUNDWATER **Collection Date:** 07/17/2024 8:26

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	07/19/2024 14:27	225881

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

Lab ID: 24061962-016 **Client Sample ID:** MW-304

Matrix: GROUNDWATER **Collection Date:** 07/17/2024 10:20

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**9.01**	ft	1	07/17/2024 10:20	R350621
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**14**	NTU	1	07/17/2024 10:20	R350621
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-22**	mV	1	07/17/2024 10:20	R350621
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**2240**	µS/cm	1	07/17/2024 10:20	R350621
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**18.6**	°C	1	07/17/2024 10:20	R350621
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.39**	mg/L	1	07/17/2024 10:20	R350621
SW-846 9040B FIELD									
pH	*	0	1.00		**7.70**		1	07/17/2024 10:20	R350621
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**811**	mg/L	1	07/18/2024 12:46	R350412
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	07/18/2024 12:46	R350412
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**1520**	mg/L	1	07/19/2024 10:12	R350547
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**201**	mg/L	10	07/26/2024 17:20	R350878
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**1.69**	mg/L	1	07/18/2024 10:56	R350406
SW-846 9251 (TOTAL)									
Chloride	NELAP	2	20		**169**	mg/L	5	07/26/2024 16:53	R350886
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**9.99**	mg/L	1	07/19/2024 10:24	225880
Magnesium	NELAP	0.0055	0.0500		**4.00**	mg/L	1	07/19/2024 10:24	225880
Potassium	NELAP	0.0400	0.100		**2.12**	mg/L	1	07/19/2024 10:24	225880
Sodium	NELAP	0.360	1.00		**515**	mg/L	20	07/24/2024 18:21	225880
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	B	**< 0.0010**	mg/L	5	07/19/2024 15:12	225880
Arsenic	NELAP	0.0004	0.0010		**0.0025**	mg/L	5	07/19/2024 15:12	225880
Barium	NELAP	0.0007	0.0010		**0.0175**	mg/L	5	07/22/2024 12:35	225880
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	07/19/2024 15:12	225880
Boron	NELAP	0.0092	0.0250		**1.47**	mg/L	5	07/19/2024 15:12	225880
Cadmium	*	0.0002	0.0010		**< 0.0010**	mg/L	5	07/19/2024 15:12	225880
Chromium	NELAP	0.0007	0.0015		**< 0.0015**	mg/L	5	07/19/2024 15:12	225880
Cobalt	NELAP	0.0001	0.0010		**< 0.0010**	mg/L	5	07/19/2024 15:12	225880
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	07/19/2024 15:12	225880
Lithium	*	0.0015	0.0030		**0.0750**	mg/L	5	07/19/2024 15:12	225880
Molybdenum	NELAP	0.0006	0.0015	J	**0.0007**	mg/L	5	07/19/2024 15:12	225880
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	07/19/2024 15:12	225880
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	07/19/2024 15:12	225880

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

Laboratory Results

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

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

Lab ID: 24061962-016 **Client Sample ID:** MW-304

Matrix: GROUNDWATER **Collection Date:** 07/17/2024 10:20

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	07/19/2024 14:29	225881

Laboratory Results

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

Lab ID: 24061962-020 **Client Sample ID:** MW-356

Matrix: GROUNDWATER **Collection Date:** 07/18/2024 9:55

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**4.98**	ft	1	07/18/2024 9:55	R350621
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**18**	NTU	1	07/18/2024 9:55	R350621
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**46**	mV	1	07/18/2024 9:55	R350621
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1040**	µS/cm	1	07/18/2024 9:55	R350621
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**17.4**	°C	1	07/18/2024 9:55	R350621
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.90**	mg/L	1	07/18/2024 9:55	R350621
SW-846 9040B FIELD									
pH	*	0	1.00		**7.90**		1	07/18/2024 9:55	R350621
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**526**	mg/L	1	07/19/2024 12:25	R350481
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	07/19/2024 12:25	R350481
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**716**	mg/L	1	07/23/2024 8:54	R350690
SW-846 9036 (TOTAL)									
Sulfate	NELAP	12	20		**46**	mg/L	2	07/26/2024 18:16	R350878
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**2.00**	mg/L	1	07/19/2024 12:25	R350479
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**31**	mg/L	1	07/26/2024 17:49	R350886
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**12.4**	mg/L	1	07/22/2024 19:45	225932
Magnesium	NELAP	0.0055	0.0500		**7.69**	mg/L	1	07/22/2024 19:45	225932
Potassium	NELAP	0.0400	0.100		**2.99**	mg/L	1	07/22/2024 19:45	225932
Sodium	NELAP	0.0180	0.0500		**273**	mg/L	1	07/22/2024 19:45	225932
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	J	**0.0005**	mg/L	5	07/23/2024 0:27	225932
Arsenic	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	07/23/2024 0:27	225932
Barium	NELAP	0.0007	0.0010		**0.0300**	mg/L	5	07/23/2024 0:27	225932
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	07/23/2024 0:27	225932
Boron	NELAP	0.0092	0.0250		**1.90**	mg/L	5	07/23/2024 0:27	225932
Cadmium	*	0.0002	0.0010		**< 0.0010**	mg/L	5	07/23/2024 0:27	225932
Chromium	NELAP	0.0007	0.0015		**< 0.0015**	mg/L	5	07/23/2024 0:27	225932
Cobalt	NELAP	0.0001	0.0010		**< 0.0010**	mg/L	5	07/23/2024 13:22	225932
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	07/23/2024 0:27	225932
Lithium	*	0.0015	0.0030		**0.0557**	mg/L	5	07/23/2024 13:22	225932
Molybdenum	NELAP	0.0006	0.0015	J	**0.0014**	mg/L	5	07/23/2024 13:22	225932
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	07/23/2024 0:27	225932
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	07/23/2024 13:22	225932

Laboratory Results

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

Client: Ramboll
Work Order: 24061962
Client Project: BAL-24Q3
Report Date: 13-Aug-24
Lab ID: 24061962-020
Client Sample ID: MW-356
Matrix: GROUNDWATER
Collection Date: 07/18/2024 9:55

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	07/22/2024 14:17	225937

Laboratory Results

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

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

Lab ID: 24061962-021 **Client Sample ID:** MW-358

Matrix: GROUNDWATER **Collection Date:** 07/18/2024 11:10

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**2.16**	ft	1	07/18/2024 11:10	R350621
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**790**	NTU	1	07/18/2024 11:10	R350621
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-224**	mV	1	07/18/2024 11:10	R350621
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1120**	µS/cm	1	07/18/2024 11:10	R350621
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**17.8**	°C	1	07/18/2024 11:10	R350621
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**< 0**	mg/L	1	07/18/2024 11:10	R350621
SW-846 9040B FIELD									
pH	*	0	1.00		**7.60**		1	07/18/2024 11:10	R350621
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**353**	mg/L	1	07/19/2024 12:32	R350481
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	07/19/2024 12:32	R350481
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**640**	mg/L	1	07/23/2024 8:55	R350690
SW-846 9036 (TOTAL)									
Sulfate	NELAP	12	20		**88**	mg/L	2	07/29/2024 12:52	R350922
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.75**	mg/L	1	07/19/2024 12:27	R350479
SW-846 9251 (TOTAL)									
Chloride	NELAP	10	80		**101**	mg/L	20	07/26/2024 18:32	R350886
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**70.6**	mg/L	1	07/22/2024 19:47	225932
Magnesium	NELAP	0.0055	0.0500		**33.7**	mg/L	1	07/22/2024 19:47	225932
Potassium	NELAP	0.0400	0.100		**2.02**	mg/L	1	07/22/2024 19:47	225932
Sodium	NELAP	0.0180	0.0500		**126**	mg/L	1	07/22/2024 19:47	225932
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**0.0011**	mg/L	5	07/23/2024 1:13	225932
Arsenic	NELAP	0.0004	0.0010		**0.0011**	mg/L	5	07/23/2024 1:13	225932
Barium	NELAP	0.0007	0.0010		**0.111**	mg/L	5	07/23/2024 1:13	225932
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	07/23/2024 1:13	225932
Boron	NELAP	0.0092	0.0250		**0.142**	mg/L	5	07/23/2024 1:13	225932
Cadmium	*	0.0002	0.0010		**< 0.0010**	mg/L	5	07/23/2024 1:13	225932
Chromium	NELAP	0.0007	0.0015		**0.0021**	mg/L	5	07/25/2024 17:57	225932
Cobalt	NELAP	0.0001	0.0010	J	**0.0006**	mg/L	5	07/23/2024 13:28	225932
Lead	NELAP	0.0006	0.0010	J	**0.0006**	mg/L	5	07/23/2024 1:13	225932
Lithium	*	0.0015	0.0030		**0.0379**	mg/L	5	07/23/2024 13:28	225932
Molybdenum	NELAP	0.0006	0.0015		**0.0037**	mg/L	5	07/23/2024 1:13	225932
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	07/23/2024 1:13	225932
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	07/23/2024 13:28	225932

Laboratory Results

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

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

Lab ID: 24061962-021 **Client Sample ID:** MW-358

Matrix: GROUNDWATER **Collection Date:** 07/18/2024 11:10

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020	J	**0.00008**	mg/L	1	07/22/2024 14:19	225937

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

Lab ID: 24061962-023 **Client Sample ID:** MW-369

Matrix: GROUNDWATER **Collection Date:** 07/18/2024 9:56

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**11.27**	ft	1	07/18/2024 9:56	R350621
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**49**	NTU	1	07/18/2024 9:56	R350621
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-239**	mV	1	07/18/2024 9:56	R350621
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1590**	µS/cm	1	07/18/2024 9:56	R350621
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**16.8**	°C	1	07/18/2024 9:56	R350621
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.16**	mg/L	1	07/18/2024 9:56	R350621
SW-846 9040B FIELD									
pH	*	0	1.00		**7.61**		1	07/18/2024 9:56	R350621
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**509**	mg/L	1	07/19/2024 12:46	R350481
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	07/19/2024 12:46	R350481
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**794**	mg/L	1	07/23/2024 8:55	R350690
SW-846 9036 (TOTAL)									
Sulfate	NELAP	31	50		**113**	mg/L	5	07/26/2024 18:48	R350878
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.69**	mg/L	1	07/19/2024 12:31	R350479
SW-846 9251 (TOTAL)									
Chloride	NELAP	2	20		**70**	mg/L	5	07/26/2024 18:48	R350886
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**132**	mg/L	1	07/22/2024 19:50	225932
Magnesium	NELAP	0.0055	0.0500		**42.2**	mg/L	1	07/22/2024 19:50	225932
Potassium	NELAP	0.0400	0.100		**4.02**	mg/L	1	07/22/2024 19:50	225932
Sodium	NELAP	0.0180	0.0500		**106**	mg/L	1	07/22/2024 19:50	225932
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	J	**0.0005**	mg/L	5	07/23/2024 1:25	225932
Arsenic	NELAP	0.0004	0.0010		**0.0011**	mg/L	5	07/23/2024 1:25	225932
Barium	NELAP	0.0007	0.0010		**0.124**	mg/L	5	07/23/2024 1:25	225932
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	07/23/2024 1:25	225932
Boron	NELAP	0.0092	0.0250		**0.237**	mg/L	5	07/23/2024 1:25	225932
Cadmium	*	0.0002	0.0010		**< 0.0010**	mg/L	5	07/23/2024 1:25	225932
Chromium	NELAP	0.0007	0.0015		**< 0.0015**	mg/L	5	07/23/2024 1:25	225932
Cobalt	NELAP	0.0001	0.0010		**0.0013**	mg/L	5	07/24/2024 15:41	225932
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	07/23/2024 1:25	225932
Lithium	*	0.0015	0.0030		**0.0140**	mg/L	5	07/23/2024 14:37	225932
Molybdenum	NELAP	0.0006	0.0015		**0.0026**	mg/L	5	07/23/2024 14:37	225932
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	07/23/2024 1:25	225932
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	07/23/2024 14:37	225932

Laboratory Results

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

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

Lab ID: 24061962-023 **Client Sample ID:** MW-369

Matrix: GROUNDWATER **Collection Date:** 07/18/2024 9:56

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	07/22/2024 14:28	225937

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

Lab ID: 24061962-024 **Client Sample ID:** MW-370

Matrix: GROUNDWATER **Collection Date:** 07/18/2024 10:51

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**18.32**	ft	1	07/18/2024 10:51	R350621
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**6.8**	NTU	1	07/18/2024 10:51	R350621
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-49**	mV	1	07/18/2024 10:51	R350621
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**5440**	µS/cm	1	07/18/2024 10:51	R350621
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**16.9**	°C	1	07/18/2024 10:51	R350621
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.27**	mg/L	1	07/18/2024 10:51	R350621
SW-846 9040B FIELD									
pH	*	0	1.00		**7.51**		1	07/18/2024 10:51	R350621
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**383**	mg/L	1	07/19/2024 13:18	R350481
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	07/19/2024 13:18	R350481
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**2990**	mg/L	1	07/23/2024 8:55	R350690
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**254**	mg/L	10	07/26/2024 19:05	R350878
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**3.13**	mg/L	1	07/19/2024 12:33	R350479
SW-846 9251 (TOTAL)									
Chloride	NELAP	25	200		**1320**	mg/L	50	07/26/2024 19:12	R350886
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**42.8**	mg/L	1	07/22/2024 19:59	225932
Magnesium	NELAP	0.0055	0.0500		**24.3**	mg/L	1	07/22/2024 19:59	225932
Potassium	NELAP	0.0400	0.100		**6.84**	mg/L	1	07/22/2024 19:59	225932
Sodium	NELAP	0.0180	0.0500		**1300**	mg/L	1	07/22/2024 19:59	225932
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	07/23/2024 1:30	225932
Arsenic	NELAP	0.0004	0.0010	J	**0.0007**	mg/L	5	07/23/2024 1:30	225932
Barium	NELAP	0.0007	0.0010		**0.0318**	mg/L	5	07/23/2024 1:30	225932
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	07/23/2024 1:30	225932
Boron	NELAP	0.0092	0.0250		**1.83**	mg/L	5	07/23/2024 1:30	225932
Cadmium	*	0.0002	0.0010		**< 0.0010**	mg/L	5	07/23/2024 1:30	225932
Chromium	NELAP	0.0007	0.0015		**< 0.0015**	mg/L	5	07/23/2024 1:30	225932
Cobalt	NELAP	0.0001	0.0010		**< 0.0010**	mg/L	5	07/23/2024 14:43	225932
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	07/23/2024 1:30	225932
Lithium	*	0.0015	0.0030		**0.140**	mg/L	5	07/23/2024 14:43	225932
Molybdenum	NELAP	0.0006	0.0015		**0.0063**	mg/L	5	07/23/2024 14:43	225932
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	07/23/2024 1:30	225932
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	07/23/2024 14:43	225932

Laboratory Results

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

Client: Ramboll
Work Order: 24061962
Client Project: BAL-24Q3
Report Date: 13-Aug-24
Lab ID: 24061962-024
Client Sample ID: MW-370
Matrix: GROUNDWATER
Collection Date: 07/18/2024 10:51

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	07/22/2024 14:30	225937

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

Lab ID: 24061962-027 **Client Sample ID:** MW-382

Matrix: GROUNDWATER **Collection Date:** 07/18/2024 12:04

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**16.13**	ft	1	07/18/2024 12:04	R350621
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**120**	NTU	1	07/18/2024 12:04	R350621
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-45**	mV	1	07/18/2024 12:04	R350621
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1670**	µS/cm	1	07/18/2024 12:04	R350621
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**17.0**	°C	1	07/18/2024 12:04	R350621
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.22**	mg/L	1	07/18/2024 12:04	R350621
SW-846 9040B FIELD									
pH	*	0	1.00		**7.62**		1	07/18/2024 12:04	R350621
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**459**	mg/L	1	07/19/2024 13:39	R350481
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**5**	mg/L	1	07/19/2024 13:39	R350481
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**1240**	mg/L	1	07/23/2024 9:08	R350690
SW-846 9036 (TOTAL)									
Sulfate	NELAP	123	200		**422**	mg/L	20	07/26/2024 20:07	R350878
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**3.18**	mg/L	1	07/19/2024 12:46	R350479
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**37**	mg/L	1	07/26/2024 20:02	R350886
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**26.7**	mg/L	1	07/22/2024 20:07	225932
Magnesium	NELAP	0.0055	0.0500		**12.3**	mg/L	1	07/22/2024 20:07	225932
Potassium	NELAP	0.0400	0.100		**6.76**	mg/L	1	07/22/2024 20:07	225932
Sodium	NELAP	0.0180	0.0500		**420**	mg/L	1	07/22/2024 20:07	225932
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	07/23/2024 1:42	225932
Arsenic	NELAP	0.0004	0.0010		**0.0014**	mg/L	5	07/23/2024 1:42	225932
Barium	NELAP	0.0007	0.0010		**0.0254**	mg/L	5	07/23/2024 1:42	225932
Beryllium	NELAP	0.0002	0.0010	J	**0.0005**	mg/L	5	07/23/2024 1:42	225932
Boron	NELAP	0.0092	0.0250		**1.66**	mg/L	5	07/23/2024 1:42	225932
Cadmium	*	0.0002	0.0010		**< 0.0010**	mg/L	5	07/23/2024 1:42	225932
Chromium	NELAP	0.0007	0.0015		**0.0131**	mg/L	5	07/23/2024 1:42	225932
Cobalt	NELAP	0.0001	0.0010		**0.0027**	mg/L	5	07/24/2024 15:47	225932
Lead	NELAP	0.0006	0.0010		**0.0026**	mg/L	5	07/23/2024 1:42	225932
Lithium	*	0.0015	0.0030		**0.0616**	mg/L	5	07/23/2024 14:54	225932
Molybdenum	NELAP	0.0006	0.0015		**0.0023**	mg/L	5	07/24/2024 15:47	225932
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	07/23/2024 1:42	225932
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	07/23/2024 14:54	225932

Laboratory Results

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

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

Lab ID: 24061962-027 **Client Sample ID:** MW-382

Matrix: GROUNDWATER **Collection Date:** 07/18/2024 12:04

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	07/22/2024 14:41	225937

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

Lab ID: 24061962-032 **Client Sample ID:** MW-392

Matrix: GROUNDWATER **Collection Date:** 07/17/2024 13:23

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**8.79**	ft	1	07/17/2024 13:23	R350621
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**38**	NTU	1	07/17/2024 13:23	R350621
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-151**	mV	1	07/17/2024 13:23	R350621
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**3310**	µS/cm	1	07/17/2024 13:23	R350621
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**19.7**	°C	1	07/17/2024 13:23	R350621
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.49**	mg/L	1	07/17/2024 13:23	R350621
SW-846 9040B FIELD									
pH	*	0	1.00		**7.66**		1	07/17/2024 13:23	R350621
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**355**	mg/L	1	07/18/2024 13:18	R350412
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	07/18/2024 13:18	R350412
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**1940**	mg/L	1	07/19/2024 10:25	R350547
SW-846 9036 (TOTAL)									
Sulfate	NELAP	31	50		**60**	mg/L	5	07/26/2024 20:58	R350878
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**4.19**	mg/L	1	07/18/2024 11:04	R350406
SW-846 9251 (TOTAL)									
Chloride	NELAP	25	200		**875**	mg/L	50	07/26/2024 21:04	R350886
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100	S	**23.3**	mg/L	1	07/19/2024 10:39	225880
Magnesium	NELAP	0.110	1.00		**15.7**	mg/L	20	07/24/2024 7:21	225880
Potassium	NELAP	0.0400	0.100		**4.43**	mg/L	1	07/19/2024 10:39	225880
Sodium	NELAP	0.360	1.00	S	**669**	mg/L	20	07/24/2024 7:21	225880
Matrix spike control limits are not applicable due to high sample/spike ratio.									
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	B	**< 0.0010**	mg/L	5	07/19/2024 15:40	225880
Arsenic	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	07/19/2024 15:40	225880
Barium	NELAP	0.0007	0.0010		**0.0365**	mg/L	5	07/22/2024 14:23	225880
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	07/19/2024 15:40	225880
Boron	NELAP	0.0092	0.0250		**1.84**	mg/L	5	07/19/2024 15:40	225880
Cadmium	*	0.0002	0.0010		**< 0.0010**	mg/L	5	07/19/2024 15:40	225880
Chromium	NELAP	0.0007	0.0015		**< 0.0015**	mg/L	5	07/19/2024 15:40	225880
Cobalt	NELAP	0.0001	0.0010		**< 0.0010**	mg/L	5	07/19/2024 15:40	225880
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	07/19/2024 15:40	225880
Lithium	*	0.0015	0.0030		**0.0779**	mg/L	5	07/19/2024 15:40	225880
Molybdenum	NELAP	0.0006	0.0015		**< 0.0015**	mg/L	5	07/19/2024 15:40	225880
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	07/19/2024 15:40	225880
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	07/19/2024 15:40	225880
Contamination present in the MBLK. Sample results below the reporting limit are reportable per the TNI Standard.									

Laboratory Results

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

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

Lab ID: 24061962-032 **Client Sample ID:** MW-392

Matrix: GROUNDWATER **Collection Date:** 07/17/2024 13:23

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	07/19/2024 14:43	225881

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

Lab ID: 24061962-033 **Client Sample ID:** MW-393

Matrix: GROUNDWATER **Collection Date:** 07/17/2024 9:08

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**8.20**	ft	1	07/17/2024 9:08	R350621
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**17**	NTU	1	07/17/2024 9:08	R350621
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-141**	mV	1	07/17/2024 9:08	R350621
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**4310**	µS/cm	1	07/17/2024 9:08	R350621
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**19.3**	°C	1	07/17/2024 9:08	R350621
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.11**	mg/L	1	07/17/2024 9:08	R350621
SW-846 9040B FIELD									
pH	*	0	1.00		**8.41**		1	07/17/2024 9:08	R350621
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**774**	mg/L	1	07/18/2024 13:24	R350412
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**39**	mg/L	1	07/18/2024 13:24	R350412
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**2560**	mg/L	1	07/19/2024 10:26	R350547
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**226**	mg/L	10	07/26/2024 21:06	R350878
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.07	0.20		**9.93**	mg/L	2	07/18/2024 11:44	R350406
SW-846 9251 (TOTAL)									
Chloride	NELAP	25	200		**775**	mg/L	50	07/26/2024 21:12	R350886
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**5.61**	mg/L	1	07/19/2024 10:41	225880
Magnesium	NELAP	0.110	1.00		**3.85**	mg/L	20	07/24/2024 7:23	225880
Potassium	NELAP	0.0400	0.100		**3.12**	mg/L	1	07/19/2024 10:41	225880
Sodium	NELAP	0.360	1.00		**943**	mg/L	20	07/24/2024 7:23	225880
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	B	**< 0.0010**	mg/L	5	07/19/2024 15:34	225880
Arsenic	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	07/19/2024 15:34	225880
Barium	NELAP	0.0007	0.0010		**0.0348**	mg/L	5	07/22/2024 12:58	225880
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	07/19/2024 15:34	225880
Boron	NELAP	0.0092	0.0250		**1.74**	mg/L	5	07/19/2024 15:34	225880
Cadmium	*	0.0002	0.0010		**< 0.0010**	mg/L	5	07/19/2024 15:34	225880
Chromium	NELAP	0.0007	0.0015		**< 0.0015**	mg/L	5	07/19/2024 15:34	225880
Cobalt	NELAP	0.0001	0.0010		**< 0.0010**	mg/L	5	07/19/2024 15:34	225880
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	07/19/2024 15:34	225880
Lithium	*	0.0015	0.0030		**0.0767**	mg/L	5	07/19/2024 15:34	225880
Molybdenum	NELAP	0.0006	0.0015		**< 0.0015**	mg/L	5	07/19/2024 15:34	225880
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	07/19/2024 15:34	225880
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	07/19/2024 15:34	225880

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

Laboratory Results

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

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

Lab ID: 24061962-033 **Client Sample ID:** MW-393

Matrix: GROUNDWATER **Collection Date:** 07/17/2024 9:08

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	07/19/2024 14:45	225881

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

Lab ID: 24061962-034 **Client Sample ID:** MW-394

Matrix: GROUNDWATER **Collection Date:** 07/17/2024 9:54

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**10.52**	ft	1	07/17/2024 9:54	R350621
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**9.9**	NTU	1	07/17/2024 9:54	R350621
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-279**	mV	1	07/17/2024 9:54	R350621
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**4280**	µS/cm	1	07/17/2024 9:54	R350621
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**18.9**	°C	1	07/17/2024 9:54	R350621
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.04**	mg/L	1	07/17/2024 9:54	R350621
SW-846 9040B FIELD									
pH	*	0	1.00		**8.26**		1	07/17/2024 9:54	R350621
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**801**	mg/L	1	07/18/2024 13:33	R350412
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	07/18/2024 13:33	R350412
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**2380**	mg/L	1	07/19/2024 10:26	R350547
SW-846 9036 (TOTAL)									
Sulfate	NELAP	31	50		**111**	mg/L	5	07/26/2024 21:14	R350878
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**5.00**	mg/L	1	07/18/2024 11:20	R350406
SW-846 9251 (TOTAL)									
Chloride	NELAP	10	80		**784**	mg/L	20	07/26/2024 21:20	R350886
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**7.23**	mg/L	1	07/19/2024 10:42	225880
Magnesium	NELAP	0.110	1.00		**4.08**	mg/L	20	07/24/2024 7:24	225880
Potassium	NELAP	0.0400	0.100		**2.66**	mg/L	1	07/19/2024 10:42	225880
Sodium	NELAP	0.360	1.00		**845**	mg/L	20	07/24/2024 7:24	225880
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	BJ	**0.0008**	mg/L	5	07/19/2024 16:55	225880
Arsenic	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	07/19/2024 16:55	225880
Barium	NELAP	0.0007	0.0010		**0.0188**	mg/L	5	07/22/2024 13:55	225880
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	07/19/2024 16:55	225880
Boron	NELAP	0.0092	0.0250		**1.75**	mg/L	5	07/19/2024 16:55	225880
Cadmium	*	0.0002	0.0010		**< 0.0010**	mg/L	5	07/19/2024 16:55	225880
Chromium	NELAP	0.0007	0.0015		**< 0.0015**	mg/L	5	07/19/2024 16:55	225880
Cobalt	NELAP	0.0001	0.0010		**< 0.0010**	mg/L	5	07/19/2024 16:55	225880
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	07/19/2024 16:55	225880
Lithium	*	0.0015	0.0030		**0.0662**	mg/L	5	07/19/2024 16:55	225880
Molybdenum	NELAP	0.0006	0.0015		**< 0.0015**	mg/L	5	07/19/2024 16:55	225880
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	07/19/2024 16:55	225880
Thallium	NELAP	0.0010	0.0020	J	**0.0013**	mg/L	5	07/19/2024 16:55	225880

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

Laboratory Results

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

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

Lab ID: 24061962-034 **Client Sample ID:** MW-394

Matrix: GROUNDWATER **Collection Date:** 07/17/2024 9:54

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	07/19/2024 14:47	225881

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

Lab ID: 24061962-037 **Client Sample ID:** OW-256

Matrix: GROUNDWATER **Collection Date:** 07/17/2024 14:06

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**7.62**	ft	1	07/17/2024 14:06	R350621
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**2.6**	NTU	1	07/17/2024 14:06	R350621
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**24**	mV	1	07/17/2024 14:06	R350621
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**825**	µS/cm	1	07/17/2024 14:06	R350621
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**18.6**	°C	1	07/17/2024 14:06	R350621
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.36**	mg/L	1	07/17/2024 14:06	R350621
SW-846 9040B FIELD									
pH	*	0	1.00		**7.05**		1	07/17/2024 14:06	R350621
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**315**	mg/L	1	07/18/2024 13:42	R350412
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	07/18/2024 13:42	R350412
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**504**	mg/L	1	07/19/2024 10:27	R350547
SW-846 9036 (TOTAL)									
Sulfate	NELAP	31	50		**74**	mg/L	5	07/26/2024 21:27	R350878
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.29**	mg/L	1	07/18/2024 11:22	R350406
SW-846 9251 (TOTAL)									
Chloride	NELAP	2	20		**59**	mg/L	5	07/26/2024 21:28	R350886
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**79.5**	mg/L	1	07/19/2024 10:42	225880
Magnesium	NELAP	0.0055	0.0500		**35.6**	mg/L	1	07/24/2024 8:15	225880
Potassium	NELAP	0.0400	0.100		**0.917**	mg/L	1	07/19/2024 10:42	225880
Sodium	NELAP	0.0180	0.0500		**56.9**	mg/L	1	07/19/2024 10:42	225880
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	B	**< 0.0010**	mg/L	5	07/19/2024 17:00	225880
Arsenic	NELAP	0.0004	0.0010		**0.0013**	mg/L	5	07/19/2024 17:00	225880
Barium	NELAP	0.0007	0.0010		**0.0818**	mg/L	5	07/22/2024 14:01	225880
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	07/19/2024 17:00	225880
Boron	NELAP	0.0092	0.0250		**0.192**	mg/L	5	07/19/2024 17:00	225880
Cadmium	*	0.0002	0.0010		**< 0.0010**	mg/L	5	07/19/2024 17:00	225880
Chromium	NELAP	0.0007	0.0015		**< 0.0015**	mg/L	5	07/19/2024 17:00	225880
Cobalt	NELAP	0.0001	0.0010	J	**0.0006**	mg/L	5	07/19/2024 17:00	225880
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	07/19/2024 17:00	225880
Lithium	*	0.0015	0.0030		**0.0078**	mg/L	5	07/19/2024 17:00	225880
Molybdenum	NELAP	0.0006	0.0015	J	**0.0010**	mg/L	5	07/19/2024 17:00	225880
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	07/19/2024 17:00	225880
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	07/19/2024 17:00	225880

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

Laboratory Results

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

Client: Ramboll
Work Order: 24061962
Client Project: BAL-24Q3
Report Date: 13-Aug-24
Lab ID: 24061962-037
Client Sample ID: OW-256
Matrix: GROUNDWATER
Collection Date: 07/17/2024 14:06

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	07/19/2024 14:50	225881

Laboratory Results

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

Lab ID: 24061962-038 **Client Sample ID:** OW-257

Matrix: GROUNDWATER **Collection Date:** 07/17/2024 10:33

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**6.24**	ft	1	07/17/2024 10:33	R350621
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**2.9**	NTU	1	07/17/2024 10:33	R350621
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**113**	mV	1	07/17/2024 10:33	R350621
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1100**	µS/cm	1	07/17/2024 10:33	R350621
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**18.6**	°C	1	07/17/2024 10:33	R350621
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**4.30**	mg/L	1	07/17/2024 10:33	R350621
SW-846 9040B FIELD									
pH	*	0	1.00		**6.87**		1	07/17/2024 10:33	R350621
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**547**	mg/L	1	07/18/2024 13:48	R350412
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	07/18/2024 13:48	R350412
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**744**	mg/L	1	07/19/2024 10:27	R350547
SW-846 9036 (TOTAL)									
Sulfate	NELAP	31	50		**115**	mg/L	5	07/26/2024 21:36	R350878
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.42**	mg/L	1	07/18/2024 11:25	R350406
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**8**	mg/L	1	07/26/2024 21:30	R350886
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**103**	mg/L	1	07/19/2024 10:43	225880
Magnesium	NELAP	0.0055	0.0500		**50.4**	mg/L	1	07/24/2024 8:16	225880
Potassium	NELAP	0.0400	0.100		**2.65**	mg/L	1	07/19/2024 10:43	225880
Sodium	NELAP	0.0180	0.0500		**87.5**	mg/L	1	07/19/2024 10:43	225880
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	B	**< 0.0010**	mg/L	5	07/19/2024 17:06	225880
Arsenic	NELAP	0.0004	0.0010		**0.0026**	mg/L	5	07/19/2024 17:06	225880
Barium	NELAP	0.0007	0.0010		**0.0988**	mg/L	5	07/22/2024 14:06	225880
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	07/19/2024 17:06	225880
Boron	NELAP	0.0092	0.0250		**0.509**	mg/L	5	07/19/2024 17:06	225880
Cadmium	*	0.0002	0.0010		**< 0.0010**	mg/L	5	07/19/2024 17:06	225880
Chromium	NELAP	0.0007	0.0015		**< 0.0015**	mg/L	5	07/19/2024 17:06	225880
Cobalt	NELAP	0.0001	0.0010		**0.0036**	mg/L	5	07/19/2024 17:06	225880
Lead	NELAP	0.0006	0.0010	J	**0.0008**	mg/L	5	07/19/2024 17:06	225880
Lithium	*	0.0015	0.0030		**0.0319**	mg/L	5	07/19/2024 17:06	225880
Molybdenum	NELAP	0.0006	0.0015		**0.0028**	mg/L	5	07/19/2024 17:06	225880
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	07/19/2024 17:06	225880
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	07/19/2024 17:06	225880

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

Laboratory Results

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

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

Lab ID: 24061962-038 **Client Sample ID:** OW-257

Matrix: GROUNDWATER **Collection Date:** 07/17/2024 10:33

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	07/19/2024 14:52	225881

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

Lab ID: 24061962-039 **Client Sample ID:** PZ-170

Matrix: GROUNDWATER **Collection Date:** 07/17/2024 12:25

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**15.18**	ft	1	07/17/2024 12:25	R350621
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**1.7**	NTU	1	07/17/2024 12:25	R350621
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-122**	mV	1	07/17/2024 12:25	R350621
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1630**	µS/cm	1	07/17/2024 12:25	R350621
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**18.3**	°C	1	07/17/2024 12:25	R350621
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.97**	mg/L	1	07/17/2024 12:25	R350621
SW-846 9040B FIELD									
pH	*	0	1.00		**6.74**		1	07/17/2024 12:25	R350621
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**640**	mg/L	1	07/18/2024 13:56	R350412
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	07/18/2024 13:56	R350412
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**1240**	mg/L	1	07/19/2024 10:27	R350547
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**299**	mg/L	10	07/26/2024 21:59	R350878
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.22**	mg/L	1	07/18/2024 11:26	R350406
SW-846 9251 (TOTAL)									
Chloride	NELAP	5	40		**82**	mg/L	10	07/26/2024 22:00	R350886
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**202**	mg/L	1	07/19/2024 14:19	225880
Magnesium	NELAP	0.0055	0.0500		**88.1**	mg/L	1	07/24/2024 8:43	225880
Potassium	NELAP	0.0400	0.100		**1.49**	mg/L	1	07/19/2024 14:19	225880
Sodium	NELAP	0.0180	0.0500		**99.6**	mg/L	1	07/19/2024 14:19	225880
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	B	**< 0.0010**	mg/L	5	07/19/2024 17:12	225880
Arsenic	NELAP	0.0004	0.0010		**0.0011**	mg/L	5	07/19/2024 17:12	225880
Barium	NELAP	0.0007	0.0010		**0.0825**	mg/L	5	07/22/2024 14:12	225880
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	07/19/2024 17:12	225880
Boron	NELAP	0.0092	0.0250		**0.255**	mg/L	5	07/19/2024 17:12	225880
Cadmium	*	0.0002	0.0010		**< 0.0010**	mg/L	5	07/19/2024 17:12	225880
Chromium	NELAP	0.0007	0.0015		**< 0.0015**	mg/L	5	07/19/2024 17:12	225880
Cobalt	NELAP	0.0001	0.0010		**0.0031**	mg/L	5	07/19/2024 17:12	225880
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	07/19/2024 17:12	225880
Lithium	*	0.0015	0.0030		**0.0306**	mg/L	5	07/19/2024 17:12	225880
Molybdenum	NELAP	0.0006	0.0015		**< 0.0015**	mg/L	5	07/19/2024 17:12	225880
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	07/19/2024 17:12	225880
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	07/19/2024 17:12	225880

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

Laboratory Results

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

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

Lab ID: 24061962-039 **Client Sample ID:** PZ-170

Matrix: GROUNDWATER **Collection Date:** 07/17/2024 12:25

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	07/19/2024 14:54	225881

Laboratory Results

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

Lab ID: 24061962-040 **Client Sample ID:** PZ-182

Matrix: GROUNDWATER **Collection Date:** 07/17/2024 11:38

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**16.73**	ft	1	07/17/2024 11:38	R350621
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**17**	NTU	1	07/17/2024 11:38	R350621
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-49**	mV	1	07/17/2024 11:38	R350621
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**777**	µS/cm	1	07/17/2024 11:38	R350621
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**28.2**	°C	1	07/17/2024 11:38	R350621
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**3.16**	mg/L	1	07/17/2024 11:38	R350621
SW-846 9040B FIELD									
pH	*	0	1.00		**6.78**		1	07/17/2024 11:38	R350621
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**298**	mg/L	1	07/18/2024 14:08	R350412
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	07/18/2024 14:08	R350412
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**578**	mg/L	1	07/19/2024 10:34	R350547
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**141**	mg/L	10	07/26/2024 22:08	R350878
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.24**	mg/L	1	07/18/2024 11:29	R350406
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**18**	mg/L	1	07/26/2024 22:02	R350886
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**129**	mg/L	1	07/19/2024 14:20	225880
Magnesium	NELAP	0.0055	0.0500		**54.3**	mg/L	1	07/24/2024 8:44	225880
Potassium	NELAP	0.0400	0.100		**0.603**	mg/L	1	07/19/2024 14:20	225880
Sodium	NELAP	0.0180	0.0500		**40.2**	mg/L	1	07/19/2024 14:20	225880
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	B	**< 0.0010**	mg/L	5	07/19/2024 17:17	225880
Arsenic	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	07/19/2024 17:17	225880
Barium	NELAP	0.0007	0.0010		**0.0555**	mg/L	5	07/22/2024 14:18	225880
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	07/19/2024 17:17	225880
Boron	NELAP	0.0092	0.0250		**0.396**	mg/L	5	07/19/2024 17:17	225880
Cadmium	*	0.0002	0.0010	J	**0.0006**	mg/L	5	07/19/2024 17:17	225880
Chromium	NELAP	0.0007	0.0015	J	**0.0009**	mg/L	5	07/19/2024 17:17	225880
Cobalt	NELAP	0.0001	0.0010	J	**0.0003**	mg/L	5	07/19/2024 17:17	225880
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	07/19/2024 17:17	225880
Lithium	*	0.0015	0.0030		**0.0152**	mg/L	5	07/19/2024 17:17	225880
Molybdenum	NELAP	0.0006	0.0015		**< 0.0015**	mg/L	5	07/19/2024 17:17	225880
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	07/19/2024 17:17	225880
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	07/19/2024 17:17	225880

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

Laboratory Results

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

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

Lab ID: 24061962-040 **Client Sample ID:** PZ-182

Matrix: GROUNDWATER **Collection Date:** 07/17/2024 11:38

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	07/19/2024 14:56	225881

Laboratory Results

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

Lab ID: 24061962-041 **Client Sample ID:** TPZ-164

Matrix: GROUNDWATER **Collection Date:** 07/22/2024 13:13

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**4.31**	ft	1	07/22/2024 13:13	R350621
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**6.1**	NTU	1	07/22/2024 13:13	R350621
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-180**	mV	1	07/22/2024 13:13	R350621
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**888**	µS/cm	1	07/22/2024 13:13	R350621
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**21.0**	°C	1	07/22/2024 13:13	R350621
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.15**	mg/L	1	07/22/2024 13:13	R350621
SW-846 9040B FIELD									
pH	*	0	1.00		**7.39**		1	07/22/2024 13:13	R350621
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**265**	mg/L	1	07/23/2024 13:11	R350627
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	07/23/2024 13:11	R350627
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**498**	mg/L	1	07/25/2024 9:37	R350848
SW-846 9036 (TOTAL)									
Sulfate	NELAP	31	50		**126**	mg/L	5	07/29/2024 9:56	R350922
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.30**	mg/L	1	07/23/2024 9:38	R350609
SW-846 9251 (TOTAL)									
Chloride	NELAP	2	20		**54**	mg/L	5	07/29/2024 9:56	R350942
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**66.9**	mg/L	1	07/23/2024 16:49	226025
Magnesium	NELAP	0.0055	0.0500		**27.2**	mg/L	1	07/23/2024 16:49	226025
Potassium	NELAP	0.200	0.500		**11.4**	mg/L	5	07/25/2024 13:04	226025
Sodium	NELAP	0.0180	0.0500		**78.0**	mg/L	1	07/23/2024 16:49	226025
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	B	**< 0.0010**	mg/L	5	07/24/2024 18:27	226025
Arsenic	NELAP	0.0004	0.0010	J	**0.0009**	mg/L	5	07/24/2024 18:27	226025
Barium	NELAP	0.0007	0.0010		**0.0777**	mg/L	5	07/24/2024 18:27	226025
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	07/24/2024 18:27	226025
Boron	NELAP	0.0092	0.0250		**1.15**	mg/L	5	07/24/2024 18:27	226025
Cadmium	*	0.0002	0.0010		**< 0.0010**	mg/L	5	07/24/2024 18:27	226025
Chromium	NELAP	0.0007	0.0015		**< 0.0015**	mg/L	5	07/24/2024 18:27	226025
Cobalt	NELAP	0.0001	0.0010	J	**0.0002**	mg/L	5	07/24/2024 18:27	226025
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	07/24/2024 18:27	226025
Lithium	*	0.0015	0.0030		**0.0128**	mg/L	5	07/24/2024 18:27	226025
Molybdenum	NELAP	0.0006	0.0015		**0.0132**	mg/L	5	07/25/2024 18:03	226025
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	07/24/2024 18:27	226025
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	07/24/2024 18:27	226025

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

Laboratory Results

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

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

Lab ID: 24061962-041 **Client Sample ID:** TPZ-164

Matrix: GROUNDWATER **Collection Date:** 07/22/2024 13:13

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	07/23/2024 12:28	226026

Laboratory Results

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

Lab ID: 24061962-042 **Client Sample ID:** XPW01

Matrix: GROUNDWATER **Collection Date:** 07/22/2024 12:03

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**6.57**	ft	1	07/22/2024 12:03	R350621
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**5.5**	NTU	1	07/22/2024 12:03	R350621
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-68**	mV	1	07/22/2024 12:03	R350621
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**646**	µS/cm	1	07/22/2024 12:03	R350621
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**19.1**	°C	1	07/22/2024 12:03	R350621
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.13**	mg/L	1	07/22/2024 12:03	R350621
SW-846 9040B FIELD									
pH	*	0	1.00		**7.18**		1	07/22/2024 12:03	R350621
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**203**	mg/L	1	07/23/2024 13:16	R350627
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	07/23/2024 13:16	R350627
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**338**	mg/L	1	07/25/2024 9:37	R350848
SW-846 9036 (TOTAL)									
Sulfate	NELAP	31	50		**78**	mg/L	5	07/29/2024 9:59	R350922
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.65**	mg/L	1	07/23/2024 9:41	R350609
SW-846 9251 (TOTAL)									
Chloride	NELAP	2	20		**42**	mg/L	5	07/29/2024 9:59	R350942
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**60.0**	mg/L	1	07/23/2024 16:50	226025
Magnesium	NELAP	0.0055	0.0500		**20.2**	mg/L	1	07/23/2024 16:50	226025
Potassium	NELAP	0.0400	0.100		**9.30**	mg/L	1	07/23/2024 16:50	226025
Sodium	NELAP	0.0180	0.0500		**41.7**	mg/L	1	07/23/2024 16:50	226025
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	07/25/2024 18:09	226025
Arsenic	NELAP	0.0004	0.0010	J	**0.0009**	mg/L	5	07/25/2024 18:09	226025
Barium	NELAP	0.0007	0.0010		**0.113**	mg/L	5	07/24/2024 19:13	226025
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	07/24/2024 19:13	226025
Boron	NELAP	0.0092	0.0250		**0.964**	mg/L	5	07/24/2024 19:13	226025
Cadmium	*	0.0002	0.0010		**< 0.0010**	mg/L	5	07/24/2024 19:13	226025
Chromium	NELAP	0.0007	0.0015		**0.0016**	mg/L	5	07/24/2024 19:13	226025
Cobalt	NELAP	0.0001	0.0010	J	**0.0002**	mg/L	5	07/24/2024 19:13	226025
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	07/24/2024 19:13	226025
Lithium	*	0.0015	0.0030		**0.0167**	mg/L	5	07/24/2024 19:13	226025
Molybdenum	NELAP	0.0006	0.0015		**0.0529**	mg/L	5	07/24/2024 19:13	226025
Selenium	NELAP	0.0006	0.0010	J	**0.0008**	mg/L	5	07/24/2024 19:13	226025
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	07/24/2024 19:13	226025

Laboratory Results

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

Lab ID: 24061962-042 **Client Sample ID:** XPW01

Matrix: GROUNDWATER **Collection Date:** 07/22/2024 12:03

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	07/23/2024 12:31	226026

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

Lab ID: 24061962-043 **Client Sample ID:** XPW05

Matrix: GROUNDWATER **Collection Date:** 07/22/2024 12:42

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**5.15**	ft	1	07/22/2024 12:42	R350621
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**11**	NTU	1	07/22/2024 12:42	R350621
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-97**	mV	1	07/22/2024 12:42	R350621
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**853**	µS/cm	1	07/22/2024 12:42	R350621
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**22.6**	°C	1	07/22/2024 12:42	R350621
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.55**	mg/L	1	07/22/2024 12:42	R350621
SW-846 9040B FIELD									
pH	*	0	1.00		**7.21**		1	07/22/2024 12:42	R350621
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**258**	mg/L	1	07/23/2024 13:20	R350627
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	07/23/2024 13:20	R350627
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**482**	mg/L	1	07/25/2024 9:37	R350848
SW-846 9036 (TOTAL)									
Sulfate	NELAP	31	50		**100**	mg/L	5	07/29/2024 10:13	R350922
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.57**	mg/L	1	07/23/2024 9:43	R350609
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**49**	mg/L	1	07/29/2024 10:07	R350942
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**54.7**	mg/L	1	07/23/2024 16:52	226025
Magnesium	NELAP	0.0055	0.0500		**23.2**	mg/L	1	07/23/2024 16:52	226025
Potassium	NELAP	0.0400	0.100		**9.59**	mg/L	1	07/23/2024 16:52	226025
Sodium	NELAP	0.0180	0.0500		**80.5**	mg/L	1	07/23/2024 16:52	226025
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	BJ	**0.0006**	mg/L	5	07/24/2024 19:19	226025
Arsenic	NELAP	0.0004	0.0010		**0.0067**	mg/L	5	07/24/2024 19:19	226025
Barium	NELAP	0.0007	0.0010		**0.278**	mg/L	5	07/24/2024 19:19	226025
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	07/24/2024 19:19	226025
Boron	NELAP	0.0092	0.0250		**0.828**	mg/L	5	07/24/2024 19:19	226025
Cadmium	*	0.0002	0.0010		**< 0.0010**	mg/L	5	07/24/2024 19:19	226025
Chromium	NELAP	0.0007	0.0015		**0.0018**	mg/L	5	07/24/2024 19:19	226025
Cobalt	NELAP	0.0001	0.0010	J	**0.0003**	mg/L	5	07/24/2024 19:19	226025
Lead	NELAP	0.0006	0.0010	J	**0.0007**	mg/L	5	07/24/2024 19:19	226025
Lithium	*	0.0015	0.0030		**0.0063**	mg/L	5	07/24/2024 19:19	226025
Molybdenum	NELAP	0.0006	0.0015		**0.0120**	mg/L	5	07/25/2024 18:14	226025
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	07/24/2024 19:19	226025
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	07/24/2024 19:19	226025

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

Laboratory Results

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

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

Lab ID: 24061962-043 **Client Sample ID:** XPW05

Matrix: GROUNDWATER **Collection Date:** 07/22/2024 12:42

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	07/23/2024 12:33	226026

Laboratory Results

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

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

Lab ID: 24061962-044 **Client Sample ID:** XPW06

Matrix: GROUNDWATER **Collection Date:** 07/22/2024 11:27

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**2.47**	ft	1	07/22/2024 11:27	R350621
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**2.8**	NTU	1	07/22/2024 11:27	R350621
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-71**	mV	1	07/22/2024 11:27	R350621
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**814**	µS/cm	1	07/22/2024 11:27	R350621
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**21.4**	°C	1	07/22/2024 11:27	R350621
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.09**	mg/L	1	07/22/2024 11:27	R350621
SW-846 9040B FIELD									
pH	*	0	1.00		**7.35**		1	07/22/2024 11:27	R350621
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**249**	mg/L	1	07/23/2024 13:26	R350627
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	07/23/2024 13:26	R350627
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**560**	mg/L	1	07/25/2024 9:09	R350848
SW-846 9036 (TOTAL)									
Sulfate	NELAP	31	50		**190**	mg/L	5	07/29/2024 10:20	R350922
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.52**	mg/L	1	07/23/2024 9:44	R350609
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4	J	**3**	mg/L	1	07/29/2024 10:15	R350942
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100	S	**83.9**	mg/L	1	07/23/2024 16:54	226025
Magnesium	NELAP	0.0055	0.0500	S	**20.8**	mg/L	1	07/23/2024 16:54	226025
Potassium	NELAP	0.400	1.00		**24.4**	mg/L	10	07/25/2024 13:05	226025
Sodium	NELAP	0.0180	0.0500	S	**46.9**	mg/L	1	07/23/2024 16:54	226025
Matrix spike control limits are not applicable due to high sample/spike ratio.									
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	BJ	**0.0005**	mg/L	5	07/24/2024 18:33	226025
Arsenic	NELAP	0.0004	0.0010		**0.0047**	mg/L	5	07/24/2024 18:33	226025
Barium	NELAP	0.0007	0.0010		**0.238**	mg/L	5	07/24/2024 18:33	226025
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	07/24/2024 18:33	226025
Boron	NELAP	0.0092	0.0250		**2.80**	mg/L	5	08/05/2024 9:33	226553
Cadmium	*	0.0002	0.0010		**< 0.0010**	mg/L	5	07/24/2024 18:33	226025
Chromium	NELAP	0.0007	0.0015		**< 0.0015**	mg/L	5	07/24/2024 18:33	226025
Cobalt	NELAP	0.0001	0.0010	J	**0.0005**	mg/L	5	07/24/2024 18:33	226025
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	07/24/2024 18:33	226025
Lithium	*	0.0015	0.0030		**0.0130**	mg/L	5	07/24/2024 18:33	226025
Molybdenum	NELAP	0.0006	0.0015		**0.0879**	mg/L	5	07/24/2024 18:33	226025
Selenium	NELAP	0.0006	0.0010		**0.0012**	mg/L	5	07/24/2024 18:33	226025
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	07/24/2024 18:33	226025

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

Laboratory Results

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

Lab ID: 24061962-044 **Client Sample ID:** XPW06

Matrix: GROUNDWATER **Collection Date:** 07/22/2024 11:27

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	07/23/2024 12:35	226026

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

Lab ID: 24061962-045 **Client Sample ID:** Field Blank

Matrix: AQUEOUS **Collection Date:** 07/23/2024 12:04

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**1**	mg/L	1	07/25/2024 12:02	R350768
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	07/25/2024 12:02	R350768
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**< 20**	mg/L	1	07/27/2024 11:32	R350897
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10		**< 10**	mg/L	1	07/29/2024 10:26	R350922
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**< 0.10**	mg/L	1	07/25/2024 10:13	R350762
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**< 4**	mg/L	1	07/29/2024 10:26	R350942
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**< 0.100**	mg/L	1	07/24/2024 13:44	226078
Magnesium	NELAP	0.0055	0.0500		**< 0.0500**	mg/L	1	07/24/2024 13:44	226078
Potassium	NELAP	0.0400	0.100		**< 0.100**	mg/L	1	07/24/2024 13:44	226078
Sodium	NELAP	0.0180	0.0500		**< 0.0500**	mg/L	1	07/24/2024 13:44	226078
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	B	**< 0.0010**	mg/L	5	07/25/2024 0:09	226078
Arsenic	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	07/25/2024 0:09	226078
Barium	NELAP	0.0007	0.0010		**< 0.0010**	mg/L	5	07/25/2024 0:09	226078
Beryllium	NELAP	0.0002	0.0010	J	**0.0006**	mg/L	5	07/25/2024 0:09	226078
Boron	NELAP	0.0092	0.0250		**< 0.0250**	mg/L	5	07/25/2024 0:09	226078
Cadmium	*	0.0002	0.0010		**< 0.0010**	mg/L	5	07/25/2024 0:09	226078
Chromium	NELAP	0.0007	0.0015		**< 0.0015**	mg/L	5	07/25/2024 19:29	226078
Cobalt	NELAP	0.0001	0.0010	J	**0.0004**	mg/L	5	07/25/2024 0:09	226078
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	07/25/2024 0:09	226078
Lithium	*	0.0015	0.0030		**< 0.0030**	mg/L	5	07/25/2024 0:09	226078
Molybdenum	NELAP	0.0006	0.0015		**< 0.0015**	mg/L	5	07/25/2024 0:09	226078
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	07/25/2024 0:09	226078
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	07/25/2024 0:09	226078

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

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

SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	07/26/2024 13:02	226132

Laboratory Results

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

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

Lab ID: 24061962-046 **Client Sample ID:** MW-304 Duplicate

Matrix: GROUNDWATER **Collection Date:** 07/17/2024 10:20

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**9.01**	ft	1	07/17/2024 10:20	R350621
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**14**	NTU	1	07/17/2024 10:20	R350621
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-22**	mV	1	07/17/2024 10:20	R350621
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**2240**	µS/cm	1	07/17/2024 10:20	R350621
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**18.6**	°C	1	07/17/2024 10:20	R350621
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.39**	mg/L	1	07/17/2024 10:20	R350621
SW-846 9040B FIELD									
pH	*	0	1.00		**7.70**		1	07/17/2024 10:20	R350621
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**822**	mg/L	1	07/18/2024 14:14	R350412
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	07/18/2024 14:14	R350412
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**1500**	mg/L	1	07/19/2024 10:34	R350547
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**184**	mg/L	10	07/29/2024 10:29	R350922
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**1.65**	mg/L	1	07/18/2024 11:31	R350406
SW-846 9251 (TOTAL)									
Chloride	NELAP	5	40		**160**	mg/L	10	07/29/2024 10:28	R350942
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**10.5**	mg/L	1	07/19/2024 14:20	225880
Magnesium	NELAP	0.110	1.00		**4.40**	mg/L	20	07/24/2024 7:24	225880
Potassium	NELAP	0.0400	0.100		**2.24**	mg/L	1	07/19/2024 14:20	225880
Sodium	NELAP	0.360	1.00		**540**	mg/L	20	07/24/2024 7:24	225880
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	J	**0.0010**	mg/L	5	07/22/2024 15:04	225880
Arsenic	NELAP	0.0004	0.0010		**0.0035**	mg/L	5	07/19/2024 18:04	225880
Barium	NELAP	0.0007	0.0010		**0.0191**	mg/L	5	07/22/2024 15:04	225880
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	07/19/2024 18:04	225880
Boron	NELAP	0.0092	0.0250		**2.03**	mg/L	5	07/19/2024 18:04	225880
Cadmium	*	0.0002	0.0010		**< 0.0010**	mg/L	5	07/19/2024 18:04	225880
Chromium	NELAP	0.0007	0.0015	J	**0.0011**	mg/L	5	07/19/2024 18:04	225880
Cobalt	NELAP	0.0001	0.0010		**< 0.0010**	mg/L	5	07/19/2024 18:04	225880
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	07/19/2024 18:04	225880
Lithium	*	0.0015	0.0030		**0.0950**	mg/L	5	07/19/2024 18:04	225880
Molybdenum	NELAP	0.0006	0.0015	J	**0.0009**	mg/L	5	07/19/2024 18:04	225880
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	07/19/2024 18:04	225880
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	07/19/2024 18:04	225880

Laboratory Results

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

Client: Ramboll
Work Order: 24061962
Client Project: BAL-24Q3
Report Date: 13-Aug-24
Lab ID: 24061962-046
Client Sample ID: MW-304 Duplicate
Matrix: GROUNDWATER
Collection Date: 07/17/2024 10:20

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	07/19/2024 15:08	225881

Laboratory Results

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

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

Lab ID: 24061962-047 **Client Sample ID:** Equipment Blank 1

Matrix: AQUEOUS **Collection Date:** 07/23/2024 12:11

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**1**	mg/L	1	07/25/2024 12:05	R350768
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	07/25/2024 12:05	R350768
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**< 20**	mg/L	1	07/27/2024 11:33	R350897
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10		**< 10**	mg/L	1	07/29/2024 10:53	R350922
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**< 0.10**	mg/L	1	07/25/2024 10:16	R350762
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**< 4**	mg/L	1	07/29/2024 10:52	R350942
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**0.142**	mg/L	1	07/24/2024 13:45	226078
Magnesium	NELAP	0.0055	0.050	J	**0.027**	mg/L	1	07/24/2024 13:45	226078
Potassium	NELAP	0.0400	0.100		**< 0.100**	mg/L	1	07/24/2024 13:45	226078
Sodium	NELAP	0.018	0.050	J	**0.028**	mg/L	1	07/24/2024 13:45	226078
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	B	**< 0.0010**	mg/L	5	07/25/2024 0:15	226078
Arsenic	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	07/25/2024 0:15	226078
Barium	NELAP	0.0007	0.0010	J	**0.0008**	mg/L	5	07/25/2024 0:15	226078
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	07/25/2024 0:15	226078
Boron	NELAP	0.0092	0.0250		**< 0.0250**	mg/L	5	07/25/2024 0:15	226078
Cadmium	*	0.0002	0.0010		**< 0.0010**	mg/L	5	07/25/2024 0:15	226078
Chromium	NELAP	0.0007	0.0015		**< 0.0015**	mg/L	5	07/25/2024 20:55	226078
Cobalt	NELAP	0.0001	0.0010	J	**0.0001**	mg/L	5	07/25/2024 0:15	226078
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	07/25/2024 0:15	226078
Lithium	*	0.0015	0.0030		**< 0.0030**	mg/L	5	07/25/2024 0:15	226078
Molybdenum	NELAP	0.0006	0.0015		**< 0.0015**	mg/L	5	07/25/2024 0:15	226078
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	07/25/2024 0:15	226078
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	07/25/2024 0:15	226078

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

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

SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	07/26/2024 13:04	226132

Teklab, Inc.
Environmental Laboratory

Sample Summary

Client: Ramboll
Client Project: BAL-24Q3

Work Order: 24061962
Report Date: 13-Aug-24

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
24061962-009	MW-192	Groundwater	2	07/17/2024 14:12
24061962-010	MW-193	Groundwater	2	07/17/2024 8:26
24061962-016	MW-304	Groundwater	4	07/17/2024 10:20
24061962-020	MW-356	Groundwater	2	07/18/2024 9:55
24061962-021	MW-358	Groundwater	2	07/18/2024 11:10
24061962-023	MW-369	Groundwater	2	07/18/2024 9:56
24061962-024	MW-370	Groundwater	2	07/18/2024 10:51
24061962-027	MW-382	Groundwater	2	07/18/2024 12:04
24061962-032	MW-392	Groundwater	2	07/17/2024 13:23
24061962-033	MW-393	Groundwater	2	07/17/2024 9:08
24061962-034	MW-394	Groundwater	2	07/17/2024 9:54
24061962-037	OW-256	Groundwater	2	07/17/2024 14:06
24061962-038	OW-257	Groundwater	2	07/17/2024 10:33
24061962-039	PZ-170	Groundwater	2	07/17/2024 12:25
24061962-040	PZ-182	Groundwater	2	07/17/2024 11:38
24061962-041	TPZ-164	Groundwater	2	07/22/2024 13:13
24061962-042	XPW01	Groundwater	2	07/22/2024 12:03
24061962-043	XPW05	Groundwater	2	07/22/2024 12:42
24061962-044	XPW06	Groundwater	2	07/22/2024 11:27
24061962-045	Field Blank	Aqueous	4	07/23/2024 12:04
24061962-046	MW-304 Duplicate	Groundwater	4	07/17/2024 10:20
24061962-047	Equipment Blank 1	Aqueous	4	07/23/2024 12:11

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

STANDARD METHODS 2510 B FIELD

Batch R350621 **SampType:** LCS Units **µS/cm**
SampID: LCS-1J

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	100.0	90	110	07/16/2024

Batch R350621 **SampType:** LCS Units **µS/cm**
SampID: LCS-1T

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	99.7	90	110	07/17/2024

Batch R350621 **SampType:** LCS Units **µS/cm**
SampID: LCS-2B

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1420**	1412	0	100.3	90	110	07/17/2024

Batch R350621 **SampType:** LCS Units **µS/cm**
SampID: LCS-2J

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	99.9	90	110	07/17/2024

Batch R350621 **SampType:** LCS Units **µS/cm**
SampID: LCS-2T

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	100.1	90	110	07/18/2024

Batch R350621 **SampType:** LCS Units **µS/cm**
SampID: LCS-3B

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	100.1	90	110	07/18/2024

Batch R350621 **SampType:** LCS Units **µS/cm**
SampID: LCS-3J

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	100.1	90	110	07/18/2024

Batch R350621 **SampType:** LCS Units **µS/cm**
SampID: LCS-4B

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1420**	1412	0	100.4	90	110	07/19/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

STANDARD METHODS 2510 B FIELD

Batch R350621 **SampType:** LCS Units **µS/cm**
SampID: LCS-4J

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1400**	1412	0	99.5	90	110	07/19/2024

Batch R350621 **SampType:** LCS Units **µS/cm**
SampID: LCS-5J

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	99.6	90	110	07/22/2024

Batch R350621 **SampType:** LCS Units **µS/cm**
SampID: LCS-6J

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	99.8	90	110	07/23/2024

SW-846 9040B FIELD

Batch R350621 **SampType:** LCS Units
SampID: LCS-1J

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.00**	7.000	0	100.0	98.57	101.4	07/16/2024

Batch R350621 **SampType:** LCS Units
SampID: LCS-1T

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	07/17/2024

Batch R350621 **SampType:** LCS Units
SampID: LCS-2B

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.01**	7.000	0	100.1	98.57	101.4	07/17/2024

Batch R350621 **SampType:** LCS Units
SampID: LCS-2J

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.00**	7.000	0	100.0	98.57	101.4	07/17/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

SW-846 9040B FIELD

Batch R350621 **SampType:** LCS Units

SampID: LCS-2T

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.01**	7.000	0	100.1	98.57	101.4	07/18/2024

Batch R350621 **SampType:** LCS Units

SampID: LCS-3B

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.00**	7.000	0	100.0	98.57	101.4	07/18/2024

Batch R350621 **SampType:** LCS Units

SampID: LCS-3J

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.01**	7.000	0	100.1	98.57	101.4	07/18/2024

Batch R350621 **SampType:** LCS Units

SampID: LCS-4B

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.01**	7.000	0	100.1	98.57	101.4	07/19/2024

Batch R350621 **SampType:** LCS Units

SampID: LCS-4J

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**6.99**	7.000	0	99.9	98.57	101.4	07/19/2024

Batch R350621 **SampType:** LCS Units

SampID: LCS-5J

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**6.98**	7.000	0	99.7	98.57	101.4	07/22/2024

Batch R350621 **SampType:** LCS Units

SampID: LCS-6J

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.00**	7.000	0	100.0	98.57	101.4	07/23/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R350547 **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	07/19/2024

Batch R350547 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**940**	1000	0	94.0	90	110	07/19/2024

Batch R350547 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24061962-030ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**1080**				1052	2.26	07/19/2024

Batch R350690 **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	07/23/2024

Batch R350690 **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		**962**	1000	0	96.2	90	110	07/23/2024

Batch R350690 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24061962-018ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**1340**				1320	1.20	07/23/2024

Batch R350752 **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	07/24/2024

Batch R350752 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**1010**	1000	0	101.2	90	110	07/24/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R350752 **SampType:** DUP Units **mg/L** RPD Limit **10**

SampID: 24071773-006ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		50		**3340**				3635	8.61	07/24/2024

Batch R350848 **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	07/25/2024
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	07/25/2024

Batch R350848 **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		**962**	1000	0	96.2	90	110	07/25/2024
Total Dissolved Solids		20		**954**	1000	0	95.4	90	110	07/25/2024

Batch R350848 **SampType:** DUP Units **mg/L** RPD Limit **10**

SampID: 24071455-010ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**260**				256.0	1.55	07/25/2024

Batch R350848 **SampType:** DUP Units **mg/L** RPD Limit **10**

SampID: 24071732-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**242**				254.0	4.84	07/25/2024

Batch R350897 **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	07/27/2024

Batch R350897 **SampType:** LCS Units **mg/L**

SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**1020**	1000	0	102.2	90	110	07/27/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R350897 **SampType:** DUP Units **mg/L** RPD Limit **10**

SampID: 24071132-027ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**314**				298.0	5.23	07/27/2024

Batch R350897 **SampType:** DUP Units **mg/L** RPD Limit **10**

SampID: 24071873-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		1000		**15600**				16600	6.21	07/27/2024

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

Batch R350402 **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	07/18/2024

Batch R350402 **SampType:** LCS Units **mg/L**

SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.31**	0.3045	0	100.5	90	110	07/18/2024

Batch R350402 **SampType:** MS Units **mg/L**

SampID: 24061962-046AMS

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	07/18/2024

Batch R350402 **SampType:** MSD Units **mg/L** RPD Limit **10**

SampID: 24061962-046AMSD

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	95.4	0.4890	2.48	07/18/2024

Batch R350402 **SampType:** MS Units **mg/L**

SampID: 24071526-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.56**	0.5000	0.05200	101.0	85	115	07/18/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

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

Batch R350402 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24071526-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.56**	0.5000	0.05200	101.2	0.5570	0.18	07/18/2024

Batch R350402 **SampType:** MS Units **mg/L**
SampID: 24071605-010AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.48**	0.5000	0	95.4	85	115	07/18/2024

Batch R350402 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24071605-010AMSD

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	95.4	0.4770	0.00	07/18/2024

Batch R350489 **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	07/19/2024

Batch R350489 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.31**	0.3045	0	100.5	90	110	07/19/2024

Batch R350489 **SampType:** MS Units **mg/L**
SampID: 24061962-005AMS

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	07/19/2024

Batch R350489 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24061962-005AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.49**	0.5000	0	98.2	0.4910	0.00	07/19/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

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

Batch R350628 **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	07/23/2024
Nitrogen, Nitrite (as N)		0.05		**< 0.05**	0.0250	0	0	-100	100	07/23/2024

Batch R350628 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.32**	0.3045	0	106.7	90	110	07/23/2024
Nitrogen, Nitrite (as N)		0.05		**0.32**	0.3045	0	106.7	90	110	07/23/2024

Batch R350628 **SampType:** MS Units **mg/L**
SampID: 24071781-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.62**	0.5000	0.1470	94.8	85	115	07/23/2024

Batch R350628 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24071781-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.63**	0.5000	0.1470	95.8	0.6210	0.80	07/23/2024

Batch R350628 **SampType:** MS Units **mg/L**
SampID: 24071826-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.50**	0.5000	0	101.0	85	115	07/23/2024

Batch R350628 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24071826-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.50**	0.5000	0	100.4	0.5050	0.60	07/23/2024

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

Batch R350393 **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**						07/18/2024
Nitrogen, Nitrate-Nitrite (as N)		0.050		**< 0.050**	0.0090	0	0	-100	100	07/18/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

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

Batch R350393 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.509**	0.5000	0	101.8	90	110	07/18/2024

Batch R350393 **SampType:** MS Units **mg/Kg-dry**
SampID: 24071290-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.511		**3.16**	2.557	0.6238	99.2	90	110	07/18/2024

Batch R350393 **SampType:** MSD Units **mg/Kg-dry** RPD Limit **10**
SampID: 24071290-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.511		**3.14**	2.557	0.6238	98.4	3.160	0.65	07/18/2024

Batch R350393 **SampType:** MS Units **mg/L**
SampID: 24071319-008AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.100		**1.39**	0.5000	0.8790	103.0	90	110	07/18/2024

Batch R350393 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24071319-008AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.100		**1.39**	0.5000	0.8790	102.4	1.394	0.22	07/18/2024

Batch R350393 **SampType:** MS Units **mg/L**
SampID: 24071382-003AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.250		**4.67**	1.250	3.451	97.6	90	110	07/18/2024

Batch R350393 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24071382-003AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.250		**4.70**	1.250	3.451	99.8	4.671	0.58	07/18/2024

Batch R350393 **SampType:** MS Units **mg/L**
SampID: 24071407-003BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.500		**4.56**	2.500	2.004	102.4	90	110	07/18/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

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

Batch R350393 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24071407-003BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.500		**4.45**	2.500	2.004	97.8	4.563	2.55	07/18/2024

Batch R350393 **SampType:** MS Units **mg/L**
SampID: 24071407-010BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		**16.3**	5.000	11.04	105.8	90	110	07/18/2024

Batch R350393 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24071407-010BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		**15.7**	5.000	11.04	94.0	16.33	3.67	07/18/2024

Batch R350393 **SampType:** MS Units **mg/L**
SampID: 24071606-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		**9.77**	5.000	4.795	99.4	90	110	07/18/2024

Batch R350393 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24071606-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		**9.73**	5.000	4.795	98.7	9.767	0.40	07/18/2024

Batch R350520 **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**						07/19/2024
Nitrogen, Nitrate-Nitrite (as N)		0.050		**< 0.050**	0.0090	0	0	-100	100	07/19/2024

Batch R350520 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.520**	0.5000	0	104.0	90	110	07/19/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

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

Batch R350520 **SampType:** MS Units **mg/L**
SampID: 24061962-014AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.252**	0.2500	0.02000	92.8	85	115	07/19/2024

Batch R350520 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24061962-014AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.247**	0.2500	0.02000	90.8	0.2520	2.00	07/19/2024

Batch R350520 **SampType:** MS Units **mg/L**
SampID: 24071316-005BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.250		**2.17**	1.250	0.8870	102.3	90	110	07/19/2024

Batch R350520 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24071316-005BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.250		**2.16**	1.250	0.8870	101.8	2.166	0.28	07/19/2024

Batch R350520 **SampType:** MS Units **mg/L**
SampID: 24071605-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.283**	0.2500	0.04200	96.4	85	115	07/19/2024

Batch R350520 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24071605-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.283**	0.2500	0.04200	96.4	0.2830	0.00	07/19/2024

Batch R350520 **SampType:** MS Units **mg/L**
SampID: 24071605-008BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.238**	0.2500	0	95.2	85	115	07/19/2024

Batch R350520 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24071605-008BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.241**	0.2500	0	96.4	0.2380	1.25	07/19/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

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

Batch R350645 **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**						07/23/2024
Nitrogen, Nitrate-Nitrite (as N)		0.050		**< 0.050**	0.0090	0	0	-100	100	07/23/2024

Batch R350645 **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		**0.485**	0.5000	0	97.0	90	110	07/23/2024

Batch R350645 **SampType:** MS Units **mg/Kg-dry**
SampID: 24071492-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		70.0		**355**	350.1	25.77	93.9	85	115	07/23/2024

Batch R350645 **SampType:** MSD Units **mg/Kg-dry** RPD Limit **10**
SampID: 24071492-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		70.0		**342**	350.1	25.77	90.2	354.6	3.70	07/23/2024

Batch R350645 **SampType:** MS Units **mg/L**
SampID: 24071826-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.05		**0.25**	0.2500	0	100.4	90	110	07/23/2024

Batch R350645 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24071826-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.05		**0.26**	0.2500	0	102.4	0.2510	1.97	07/23/2024

Batch R350645 **SampType:** MS Units **mg/L**
SampID: 24071835-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		2.50		**34.9**	12.50	22.76	96.9	85	115	07/23/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

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

Batch R350645 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24071835-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		2.50		**34.7**	12.50	22.76	95.4	34.87	0.53	07/23/2024

SW-846 9036 (DISSOLVED)

Batch R350574 **SampType:** MS Units **mg/L**
SampID: 24071438-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**36**	20.00	18.35	88.6	85	115	07/22/2024

Batch R350574 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24071438-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10		**36**	20.00	18.35	85.8	36.07	1.59	07/22/2024

Batch R350671 **SampType:** MS Units **mg/L**
SampID: 24061962-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50		**213**	100.0	113.6	99.4	85	115	07/24/2024

Batch R350671 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24061962-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		50		**220**	100.0	113.6	106.0	213.0	3.03	07/24/2024

Batch R350671 **SampType:** MS Units **mg/L**
SampID: 24071605-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10	S	**39**	20.00	14.87	121.3	85	115	07/24/2024

Batch R350671 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24071605-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10	S	**39**	20.00	14.87	120.6	39.12	0.33	07/24/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

SW-846 9036 (DISSOLVED)

Batch R350671 **SampType:** MS Units **mg/L**
SampID: 24071605-003BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		20		**99**	40.00	63.71	89.2	85	115	07/24/2024

Batch R350671 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24071605-003BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		20	E	**102**	40.00	63.71	94.9	99.39	2.27	07/24/2024

Batch R350878 **SampType:** MS Units **mg/L**
SampID: 24071773-005BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		1000		**3400**	2000	1559	92.2	85	115	07/26/2024

Batch R350878 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24071773-005BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		1000		**3410**	2000	1559	92.5	3403	0.17	07/26/2024

Batch R350922 **SampType:** MS Units **mg/L**
SampID: 24061962-008BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50		**166**	100.0	75.94	89.6	85	115	07/29/2024

Batch R350922 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24061962-008BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		50		**164**	100.0	75.94	88.3	165.5	0.75	07/29/2024

SW-846 9036 (TOTAL)

Batch R350574 **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	07/22/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

SW-846 9036 (TOTAL)

Batch R350574 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**20**	20.00	0	99.7	90	110	07/22/2024

Batch R350574 **SampType:** MS Units **mg/L**
SampID: 24061962-009AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**37**	20.00	17.81	93.7	85	115	07/22/2024

Batch R350574 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24061962-009AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10	S	**34**	20.00	17.81	82.4	36.55	6.38	07/22/2024

Batch R350574 **SampType:** MS Units **mg/L**
SampID: 24071384-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50		**237**	100.0	140.4	96.7	90	110	07/22/2024

Batch R350574 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24071384-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		50		**244**	100.0	140.4	103.3	237.2	2.73	07/22/2024

Batch R350671 **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	07/24/2024

Batch R350671 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**19**	20.00	0	93.0	90	110	07/24/2024

Batch R350671 **SampType:** MS Units **mg/L**
SampID: 24071416-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		500		**2230**	1000	1275	95.5	90	110	07/24/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

SW-846 9036 (TOTAL)

Batch R350671 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24071416-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		500		**2320**	1000	1275	104.8	2230	4.08	07/24/2024

Batch R350671 **SampType:** MS Units **mg/L**
SampID: 24071423-005BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		20	S	**88**	40.00	42.34	114.9	90	110	07/24/2024

Batch R350671 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24071423-005BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		20		**84**	40.00	42.34	104.4	88.28	4.83	07/24/2024

Batch R350671 **SampType:** MS Units **mg/L**
SampID: 24071772-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		200	S	**824**	400.0	377.6	111.7	90	110	07/24/2024

Batch R350671 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24071772-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		200	S	**828**	400.0	377.6	112.7	824.4	0.46	07/24/2024

Batch R350878 **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	07/26/2024

Batch R350878 **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	95.8	90	110	07/26/2024

Batch R350878 **SampType:** MS Units **mg/L**
SampID: 24061962-016AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		100		**388**	200.0	201.3	93.1	85	115	07/26/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

SW-846 9036 (TOTAL)

Batch R350878 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24061962-016AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		100		**397**	200.0	201.3	97.7	387.5	2.35	07/26/2024

Batch R350878 **SampType:** MS Units **mg/L**
SampID: 24061962-020AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		20		**85**	40.00	45.95	98.8	85	115	07/26/2024

Batch R350878 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24061962-020AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		20		**85**	40.00	45.95	97.3	85.45	0.69	07/26/2024

Batch R350878 **SampType:** MS Units **mg/L**
SampID: 24061962-025AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		100	S	**269**	200.0	102.7	83.3	85	115	07/26/2024

Batch R350878 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24061962-025AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		100		**275**	200.0	102.7	85.9	269.4	1.93	07/26/2024

Batch R350878 **SampType:** MS Units **mg/L**
SampID: 24071773-005AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		1000		**3460**	2000	1608	92.4	85	115	07/26/2024

Batch R350878 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24071773-005AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		1000		**3540**	2000	1608	96.5	3455	2.39	07/26/2024

Batch R350878 **SampType:** MS Units **mg/L**
SampID: 24071895-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		100		**325**	200.0	142.6	91.1	90	110	07/26/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

SW-846 9036 (TOTAL)

Batch R350878 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24071895-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		100	S	**322**	200.0	142.6	89.7	324.8	0.88	07/26/2024

Batch R350922 **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	07/29/2024

Batch R350922 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**19**	20.00	0	94.1	90	110	07/29/2024

Batch R350922 **SampType:** MS Units **mg/L**
SampID: 24071132-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		20	S	**75**	40.00	43.29	79.1	85	115	07/29/2024

Batch R350922 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24071132-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		20		**78**	40.00	43.29	86.6	74.94	3.91	07/29/2024

Batch R350922 **SampType:** MS Units **mg/L**
SampID: 24071132-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**37**	20.00	16.61	99.6	85	115	07/29/2024

Batch R350922 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24071132-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10		**36**	20.00	16.61	99.2	36.52	0.22	07/29/2024

Batch R350922 **SampType:** MS Units **mg/L**
SampID: 24071132-010AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50		**141**	100.0	55.92	85.4	85	115	07/29/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

SW-846 9036 (TOTAL)

Batch R350922 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24071132-010AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		50		**145**	100.0	55.92	89.2	141.4	2.59	07/29/2024

Batch R350922 **SampType:** MS Units **mg/L**
SampID: 24071132-013AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		20		**75**	40.00	36.86	95.0	85	115	07/29/2024

Batch R350922 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24071132-013AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		20		**74**	40.00	36.86	92.2	74.84	1.49	07/29/2024

Batch R350922 **SampType:** MS Units **mg/L**
SampID: 24072345-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		200		**720**	400.0	327.6	98.1	90	110	07/29/2024

Batch R350922 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24072345-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		200		**718**	400.0	327.6	97.7	720.0	0.22	07/29/2024

Batch R350922 **SampType:** MS Units **mg/L**
SampID: 24072346-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		200		**725**	400.0	351.0	93.6	90	110	07/29/2024

Batch R350922 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24072346-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		200	S	**709**	400.0	351.0	89.5	725.4	2.28	07/29/2024

Batch R350996 **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	07/30/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

SW-846 9036 (TOTAL)

Batch R350996 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**19**	20.00	0	93.3	90	110	07/30/2024

Batch R350996 **SampType:** MS Units **mg/L**
SampID: 24071292-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**34**	20.00	16.11	91.2	85	115	07/30/2024

Batch R350996 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24071292-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10		**36**	20.00	16.11	97.1	34.35	3.38	07/30/2024

Batch R350996 **SampType:** MS Units **mg/L**
SampID: 24072173-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		100		**442**	200.0	260.3	90.7	85	115	07/30/2024

Batch R350996 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24072173-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		100		**452**	200.0	260.3	95.7	441.8	2.24	07/30/2024

Batch R350996 **SampType:** MS Units **mg/L**
SampID: 24072173-006AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50		**169**	100.0	78.49	90.7	85	115	07/30/2024

Batch R350996 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24072173-006AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		50		**172**	100.0	78.49	93.8	169.2	1.83	07/30/2024

Batch R351041 **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	07/31/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

SW-846 9036 (TOTAL)

Batch R351041 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**19**	20.00	0	95.2	90	110	07/31/2024

Batch R351041 **SampType:** MS Units **mg/L**
SampID: 24072147-003BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		200		**827**	400.0	464.3	90.7	90	110	07/31/2024

Batch R351041 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24072147-003BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		200		**834**	400.0	464.3	92.5	827.1	0.85	07/31/2024

SW-846 9214 (TOTAL)

Batch R350406 **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	07/18/2024

Batch R350406 **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		**1.05**	1.000	0	104.9	90	110	07/18/2024

Batch R350406 **SampType:** MS Units **mg/L**
SampID: 24061962-032AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**6.19**	2.000	4.189	100.1	75	125	07/18/2024

Batch R350406 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24061962-032AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**6.22**	2.000	4.189	101.6	6.191	0.50	07/18/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

SW-846 9214 (TOTAL)

Batch R350406 **SampType:** MS Units **mg/L**
SampID: 24061962-046AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**3.74**	2.000	1.649	104.3	75	125	07/18/2024

Batch R350406 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24061962-046AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**3.80**	2.000	1.649	107.6	3.735	1.78	07/18/2024

Batch R350406 **SampType:** MS Units **mg/L**
SampID: 24071352-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.34**	2.000	0.4090	96.8	75	125	07/18/2024

Batch R350406 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24071352-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.42**	2.000	0.4090	100.8	2.345	3.31	07/18/2024

Batch R350406 **SampType:** MS Units **mg/L**
SampID: 24071438-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.90**	2.000	0.7960	105.4	75	125	07/18/2024

Batch R350406 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24071438-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.92**	2.000	0.7960	106.1	2.905	0.45	07/18/2024

Batch R350479 **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	07/19/2024

Batch R350479 **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		**1.09**	1.000	0	108.7	90	110	07/19/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

SW-846 9214 (TOTAL)

Batch R350479 **SampType:** MS Units **mg/L**
SampID: 24061962-014AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.39**	2.000	0.2300	108.0	75	125	07/19/2024

Batch R350479 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24061962-014AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.45**	2.000	0.2300	111.2	2.391	2.56	07/19/2024

Batch R350479 **SampType:** MS Units **mg/L**
SampID: 24061962-024AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**5.45**	2.000	3.126	116.0	75	125	07/19/2024

Batch R350479 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24061962-024AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**5.42**	2.000	3.126	114.7	5.446	0.48	07/19/2024

Batch R350479 **SampType:** MS Units **mg/L**
SampID: 24061962-048AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.69**	2.000	0.5340	107.7	75	125	07/19/2024

Batch R350479 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24061962-048AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.68**	2.000	0.5340	107.1	2.688	0.45	07/19/2024

Batch R350479 **SampType:** MS Units **mg/L**
SampID: 24071605-008BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.38**	2.000	0.2630	106.0	75	125	07/19/2024

Batch R350479 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24071605-008BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.13**	2.000	0.2630	93.2	2.382	11.36	07/19/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

SW-846 9214 (TOTAL)

Batch R350534 **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	07/22/2024

Batch R350534 **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		**1.06**	1.000	0	106.1	90	110	07/22/2024

Batch R350534 **SampType:** MS Units **mg/L**
SampID: 24061962-031AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**3.56**	2.000	1.460	104.8	75	125	07/22/2024

Batch R350534 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24061962-031AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**3.56**	2.000	1.460	104.8	3.556	0.00	07/22/2024

Batch R350609 **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	07/23/2024

Batch R350609 **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		**1.06**	1.000	0	106.0	90	110	07/23/2024

Batch R350609 **SampType:** MS Units **mg/L**
SampID: 24071772-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.39**	2.000	0.1960	109.7	75	125	07/23/2024

Batch R350609 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24071772-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.28**	2.000	0.1960	104.0	2.389	4.80	07/23/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

SW-846 9214 (TOTAL)

Batch R350609 **SampType:** MS Units **mg/L**
SampID: 24071773-003AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.22**	2.000	0.1200	105.0	75	125	07/23/2024

Batch R350609 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24071773-003AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.11**	2.000	0.1200	99.6	2.219	4.99	07/23/2024

Batch R350609 **SampType:** MS Units **mg/L**
SampID: 24071773-006BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.31**	2.000	0.3530	97.8	75	125	07/23/2024

Batch R350609 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24071773-006BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.34**	2.000	0.3530	99.2	2.310	1.20	07/23/2024

Batch R350762 **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	07/25/2024

Batch R350762 **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		**1.08**	1.000	0	107.5	90	110	07/25/2024

Batch R350762 **SampType:** MS Units **mg/L**
SampID: 24071132-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.25**	2.000	0.1980	102.6	75	125	07/25/2024

Batch R350762 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24071132-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.33**	2.000	0.1980	106.5	2.251	3.36	07/25/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

SW-846 9214 (TOTAL)

Batch R350762 **SampType:** MS Units **mg/L**
SampID: 24071132-011AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.35**	2.000	0.2160	106.8	75	125	07/25/2024

Batch R350762 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24071132-011AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.31**	2.000	0.2160	104.8	2.353	1.80	07/25/2024

Batch R350762 **SampType:** MS Units **mg/L**
SampID: 24071132-019AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.88**	2.000	0.7420	107.2	75	125	07/25/2024

Batch R350762 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24071132-019AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.88**	2.000	0.7420	106.7	2.885	0.31	07/25/2024

Batch R350762 **SampType:** MS Units **mg/L**
SampID: 24071292-006AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.11**	2.000	0.06500	102.1	75	125	07/25/2024

Batch R350762 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24071292-006AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.16**	2.000	0.06500	104.8	2.107	2.53	07/25/2024

Batch R350762 **SampType:** MS Units **mg/L**
SampID: 24071292-009AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.08**	2.000	0	103.8	75	125	07/25/2024

Batch R350762 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24071292-009AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.11**	2.000	0	105.4	2.076	1.58	07/25/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

SW-846 9214 (TOTAL)

Batch R350762 **SampType:** MS Units **mg/L**
SampID: 24071895-003BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.88**	2.000	0.7650	105.8	75	125	07/25/2024

Batch R350762 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24071895-003BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.87**	2.000	0.7650	105.3	2.882	0.38	07/25/2024

SW-846 9251 (DISSOLVED)

Batch R350587 **SampType:** MS Units **mg/L**
SampID: 24061962-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**33**	20.00	15.42	89.5	85	115	07/22/2024

Batch R350587 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24061962-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**33**	20.00	15.42	90.3	33.32	0.48	07/22/2024

Batch R350587 **SampType:** MS Units **mg/L**
SampID: 24071438-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**20**	20.00	1.170	95.6	85	115	07/22/2024

Batch R350587 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24071438-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**20**	20.00	1.170	94.6	20.28	0.99	07/22/2024

Batch R350677 **SampType:** MS Units **mg/L**
SampID: 24071605-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**21**	20.00	1.310	98.2	85	115	07/24/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

SW-846 9251 (DISSOLVED)

Batch R350677 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24071605-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**21**	20.00	1.310	97.7	20.95	0.48	07/24/2024

Batch R350677 **SampType:** MS Units **mg/L**
SampID: 24071605-003BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**23**	20.00	3.270	97.3	85	115	07/24/2024

Batch R350677 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24071605-003BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**23**	20.00	3.270	97.0	22.72	0.26	07/24/2024

Batch R350886 **SampType:** MS Units **mg/L**
SampID: 24061962-008BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**35**	20.00	16.31	92.1	85	115	07/26/2024

Batch R350886 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24061962-008BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**35**	20.00	16.31	92.0	34.73	0.03	07/26/2024

Batch R350886 **SampType:** MS Units **mg/L**
SampID: 24071773-005BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		40	E	**525**	200.0	333.7	95.8	85	115	07/26/2024

Batch R350886 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24071773-005BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		40	E	**517**	200.0	333.7	91.8	525.2	1.52	07/26/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

SW-846 9251 (TOTAL)

Batch R350587 **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	07/22/2024

Batch R350587 **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	101.6	90	110	07/22/2024

Batch R350587 **SampType:** MS Units **mg/L**
SampID: 24061962-009AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**38**	20.00	20.03	88.4	85	115	07/22/2024

Batch R350587 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24061962-009AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**38**	20.00	20.03	89.3	37.70	0.50	07/22/2024

Batch R350587 **SampType:** MS Units **mg/L**
SampID: 24071247-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		40		**297**	200.0	115.3	90.6	85	115	07/22/2024

Batch R350587 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24071247-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		40		**295**	200.0	115.3	89.9	296.6	0.48	07/22/2024

Batch R350587 **SampType:** MS Units **mg/L**
SampID: 24071384-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		20		**152**	100.0	57.80	94.0	85	115	07/22/2024

Batch R350587 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24071384-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		20		**152**	100.0	57.80	93.9	151.8	0.03	07/22/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

SW-846 9251 (TOTAL)

Batch R350587 **SampType:** MS Units **mg/L**
SampID: 24071417-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		20		**181**	100.0	91.31	90.1	85	115	07/22/2024

Batch R350587 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24071417-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		20		**183**	100.0	91.31	92.1	181.4	1.10	07/22/2024

Batch R350587 **SampType:** MS Units **mg/L**
SampID: 24071423-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		20		**174**	100.0	86.08	87.6	85	115	07/22/2024

Batch R350587 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24071423-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		20		**174**	100.0	86.08	88.1	173.7	0.32	07/22/2024

Batch R350677 **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	07/24/2024

Batch R350677 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**19**	20.00	0	96.7	90	110	07/24/2024

Batch R350677 **SampType:** MS Units **mg/L**
SampID: 24071416-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		80		**749**	400.0	397.0	87.9	85	115	07/24/2024

Batch R350677 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24071416-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		80		**743**	400.0	397.0	86.5	748.8	0.78	07/24/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

SW-846 9251 (TOTAL)

Batch R350677 **SampType:** MS Units **mg/L**
SampID: 24071772-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**27**	20.00	8.180	93.9	85	115	07/24/2024

Batch R350677 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24071772-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**27**	20.00	8.180	93.3	26.96	0.45	07/24/2024

Batch R350886 **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	07/26/2024

Batch R350886 **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	98.0	90	110	07/26/2024

Batch R350886 **SampType:** MS Units **mg/L**
SampID: 24061962-016AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		20	E	**267**	100.0	168.7	98.2	85	115	07/26/2024

Batch R350886 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24061962-016AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		20	E	**261**	100.0	168.7	92.6	266.9	2.12	07/26/2024

Batch R350886 **SampType:** MS Units **mg/L**
SampID: 24061962-020AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**49**	20.00	30.94	91.8	85	115	07/26/2024

Batch R350886 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24061962-020AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**49**	20.00	30.94	90.4	49.31	0.57	07/26/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

SW-846 9251 (TOTAL)

Batch R350886 **SampType:** MS Units **mg/L**
SampID: 24061962-025AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		40		**275**	200.0	85.74	94.6	85	115	07/26/2024

Batch R350886 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24061962-025AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		40		**275**	200.0	85.74	94.6	275.0	0.04	07/26/2024

Batch R350942 **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	07/29/2024

Batch R350942 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**20**	20.00	0	98.2	90	110	07/29/2024

Batch R350942 **SampType:** MS Units **mg/L**
SampID: 24071132-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**33**	20.00	14.64	91.7	85	115	07/29/2024

Batch R350942 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24071132-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**33**	20.00	14.64	90.4	32.97	0.79	07/29/2024

Batch R350942 **SampType:** MS Units **mg/L**
SampID: 24071132-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**37**	20.00	19.34	90.2	85	115	07/29/2024

Batch R350942 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24071132-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**37**	20.00	19.34	88.4	37.39	0.97	07/29/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

SW-846 9251 (TOTAL)

Batch R350942 **SampType:** MS Units **mg/L**
SampID: 24071132-013AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		8	E	**123**	40.00	84.65	95.8	85	115	07/29/2024

Batch R350942 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24071132-013AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		8	E	**121**	40.00	84.65	91.7	123.0	1.34	07/29/2024

Batch R350942 **SampType:** MS Units **mg/L**
SampID: 24071773-005AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		80		**668**	400.0	315.5	88.1	85	115	07/29/2024

Batch R350942 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24071773-005AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		80		**676**	400.0	315.5	90.0	667.9	1.16	07/29/2024

Batch R350942 **SampType:** MS Units **mg/L**
SampID: 24071875-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		40		**363**	200.0	188.6	87.3	85	115	07/29/2024

Batch R350942 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24071875-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		40		**364**	200.0	188.6	87.5	363.1	0.13	07/29/2024

Batch R350942 **SampType:** MS Units **mg/L**
SampID: 24072346-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**27**	20.00	8.420	95.0	85	115	07/29/2024

Batch R350942 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24072346-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**27**	20.00	8.420	95.2	27.41	0.15	07/29/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

SW-846 9251 (TOTAL)

Batch R351030 **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	07/30/2024

Batch R351030 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**20**	20.00	0	97.8	90	110	07/30/2024

Batch R351030 **SampType:** MS Units **mg/L**
SampID: 24071132-010AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**22**	20.00	2.870	97.0	85	115	07/30/2024

Batch R351030 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24071132-010AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**22**	20.00	2.870	96.5	22.27	0.50	07/30/2024

Batch R351030 **SampType:** MS Units **mg/L**
SampID: 24071292-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**36**	20.00	18.52	88.0	85	115	07/30/2024

Batch R351030 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24071292-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**37**	20.00	18.52	90.0	36.12	1.07	07/30/2024

Batch R351030 **SampType:** MS Units **mg/L**
SampID: 24072147-003BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		40	E	**686**	200.0	486.4	100.0	85	115	07/30/2024

Batch R351030 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24072147-003BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		40	E	**695**	200.0	486.4	104.1	686.4	1.18	07/30/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

SW-846 9251 (TOTAL)

Batch R351044 **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	07/31/2024

Batch R351044 **SampType:** MBLK Units **mg/Kg**
SampID: MBLK-240730-2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride	*	40		**< 40**	0.5000	0	0	-100	100	07/31/2024

Batch R351044 **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	99.4	90	110	07/31/2024

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 225880 **SampType:** MBLK Units **mg/L**
SampID: MBLK-225880

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	07/19/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	07/19/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	07/19/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	07/19/2024

Batch 225880 **SampType:** LCS Units **mg/L**
SampID: LCS-225880

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.45**	2.500	0	97.9	85	115	07/19/2024
Magnesium		0.0500		**2.36**	2.500	0	94.3	85	115	07/24/2024
Potassium		0.100		**2.66**	2.500	0	106.3	85	115	07/19/2024
Sodium		0.0500		**2.52**	2.500	0	100.8	85	115	07/19/2024

Batch 225880 **SampType:** MS Units **mg/L**
SampID: 24061962-009BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**65.4**	2.500	62.25	124.4	75	125	07/19/2024
Magnesium		0.0500		**29.1**	2.500	26.64	100.2	75	125	07/19/2024
Potassium		0.100		**3.09**	2.500	0.5015	103.7	75	125	07/19/2024
Sodium		0.0500		**51.0**	2.500	48.74	91.2	75	125	07/19/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 225880 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 24061962-009BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100		**65.4**	2.500	62.25	124.8	65.36	0.02	07/19/2024
Magnesium		0.0500		**29.3**	2.500	26.64	106.4	29.14	0.52	07/19/2024
Potassium		0.100		**3.08**	2.500	0.5015	103.1	3.093	0.43	07/19/2024
Sodium		0.0500		**51.1**	2.500	48.74	92.8	51.02	0.08	07/19/2024

Batch 225880 **SampType:** MS Units **mg/L**

SampID: 24061962-032BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**26.3**	2.500	23.31	120.4	75	125	07/19/2024
Magnesium		1.00		**18.1**	2.500	15.66	99.5	75	125	07/24/2024
Potassium		0.100		**7.10**	2.500	4.429	106.7	75	125	07/19/2024
Sodium		1.00	S	**679**	2.500	668.6	400.0	75	125	07/24/2024

Batch 225880 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 24061962-032BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100		**25.3**	2.500	23.31	78.4	26.32	4.07	07/19/2024
Magnesium		1.00		**17.7**	2.500	15.66	80.7	18.15	2.62	07/24/2024
Potassium		0.100		**7.13**	2.500	4.429	108.1	7.097	0.47	07/19/2024
Sodium		1.00	S	**660**	2.500	668.6	-344.0	678.6	2.78	07/24/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 225932 **SampType:** MBLK Units **mg/L**

SampID: MBLK-225932

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	07/22/2024
Chromium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	07/22/2024
Cobalt		0.0050		**< 0.0050**	0.0020	0	0	-100	100	07/22/2024
Iron		0.0400		**< 0.0400**	0.0200	0	0	-100	100	07/22/2024
Lead		0.0150		**< 0.0150**	0.0014	0	0	-100	100	07/22/2024
Lithium		0.0500		**< 0.0500**	0.0019	0	0	-100	100	07/22/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	07/22/2024
Manganese		0.0070		**< 0.0070**	0.0025	0	0	-100	100	07/22/2024
Molybdenum		0.0100		**< 0.0100**	0.0037	0	0	-100	100	07/22/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	07/22/2024
Selenium		0.0400		**< 0.0400**	0.0170	0	0	-100	100	07/22/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	07/22/2024
Thallium		0.0500		**< 0.0500**	0.0111	0	0	-100	100	07/22/2024

Batch 225932 **SampType:** LCS Units **mg/L**

SampID: LCS-225932

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.43**	2.500	0	97.3	85	115	07/22/2024
Chromium		0.0050		**0.195**	0.2000	0	97.7	85	115	07/22/2024
Cobalt		0.0050		**0.515**	0.5000	0	103.0	85	115	07/22/2024
Iron		0.0400		**1.91**	2.000	0	95.6	85	115	07/22/2024
Lead		0.0150		**0.493**	0.5000	0	98.5	85	115	07/22/2024
Lithium		0.0500		**0.510**	0.5000	0	102.0	85	115	07/22/2024
Magnesium		0.0500		**2.39**	2.500	0	95.6	85	115	07/22/2024
Manganese		0.0070		**0.495**	0.5000	0	99.0	85	115	07/22/2024
Molybdenum		0.0100		**0.493**	0.5000	0	98.7	85	115	07/22/2024
Potassium		0.100		**2.69**	2.500	0	107.7	85	115	07/22/2024
Selenium		0.0400		**0.504**	0.5000	0	100.8	85	115	07/22/2024
Sodium		0.0500		**2.54**	2.500	0	101.8	85	115	07/22/2024
Thallium		0.0500		**0.245**	0.2500	0	97.8	85	115	07/22/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 225932 **SampType:** MS Units **mg/L**
SampID: 24061962-026BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**60.5**	2.500	57.78	108.4	75	125	07/22/2024
Magnesium		0.0500		**41.5**	2.500	38.79	107.7	75	125	07/22/2024
Potassium		0.100		**6.46**	2.500	3.723	109.3	75	125	07/22/2024
Sodium		0.0500	S	**143**	2.500	139.8	132.8	75	125	07/22/2024

Batch 225932 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24061962-026BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**59.6**	2.500	57.78	71.6	60.49	1.53	07/22/2024
Magnesium		0.0500		**40.7**	2.500	38.79	76.2	41.48	1.92	07/22/2024
Potassium		0.100		**6.34**	2.500	3.723	104.7	6.456	1.81	07/22/2024
Sodium		0.0500	S	**140**	2.500	139.8	26.4	143.1	1.88	07/22/2024

Batch 225998 **SampType:** MBLK Units **mg/L**
SampID: MBLK-225998

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Barium		0.0025		**< 0.0025**	0.0007	0	0	-100	100	07/23/2024
Beryllium		0.0005		**< 0.0005**	0.0002	0	0	-100	100	07/23/2024
Cadmium		0.0020		**< 0.0020**	0.0005	0	0	-100	100	07/23/2024
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	07/23/2024
Chromium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	07/23/2024
Cobalt		0.0050		**< 0.0050**	0.0020	0	0	-100	100	07/23/2024
Lead		0.0150		**< 0.0150**	0.0040	0	0	-100	100	07/23/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	07/23/2024
Molybdenum		0.0100		**< 0.0100**	0.0037	0	0	-100	100	07/23/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	07/23/2024
Selenium		0.0400		**< 0.0400**	0.0170	0	0	-100	100	07/23/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	07/23/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 225998 **SampType:** LCS Units **mg/L**

SampID: LCS-225998

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Barium		0.0025		**1.96**	2.000	0	98.1	85	115	07/23/2024
Beryllium		0.0005		**0.0485**	0.0500	0	97.0	85	115	07/23/2024
Cadmium		0.0020		**0.0485**	0.0500	0	97.0	85	115	07/23/2024
Calcium		0.100		**2.40**	2.500	0	95.9	85	115	07/23/2024
Chromium		0.0050		**0.195**	0.2000	0	97.7	85	115	07/23/2024
Cobalt		0.0050		**0.499**	0.5000	0	99.8	85	115	07/23/2024
Lead		0.0150		**0.479**	0.5000	0	95.8	85	115	07/23/2024
Magnesium		0.0500		**2.40**	2.500	0	96.2	85	115	07/23/2024
Molybdenum		0.0100		**0.480**	0.5000	0	96.0	85	115	07/23/2024
Potassium		0.100		**2.63**	2.500	0	105.1	85	115	07/23/2024
Selenium		0.0400		**0.502**	0.5000	0	100.3	85	115	07/23/2024
Sodium		0.0500		**2.41**	2.500	0	96.3	85	115	07/23/2024

Batch 225998 **SampType:** MS Units **mg/L**

SampID: 24071547-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Barium		0.0025		**2.12**	2.000	0.1937	96.3	75	125	07/23/2024
Beryllium		0.0005		**0.0491**	0.0500	0	98.2	75	125	07/23/2024
Calcium		0.100		**84.4**	2.500	81.48	117.6	75	125	07/23/2024
Chromium		0.0050		**0.201**	0.2000	0.003300	98.9	75	125	07/23/2024
Lead		0.0150		**0.487**	0.5000	0	97.3	75	125	07/23/2024
Magnesium		0.0500		**33.8**	2.500	31.38	96.8	75	125	07/23/2024
Molybdenum		0.0100		**0.499**	0.5000	0.008000	98.2	75	125	07/23/2024

Batch 225998 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 24071547-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Barium		0.0025		**2.07**	2.000	0.1937	93.8	2.120	2.39	07/23/2024
Beryllium		0.0005		**0.0481**	0.0500	0	96.2	0.04910	2.06	07/23/2024
Calcium		0.100	S	**81.3**	2.500	81.48	-6.0	84.42	3.73	07/23/2024
Chromium		0.0050		**0.198**	0.2000	0.003300	97.2	0.2011	1.71	07/23/2024
Lead		0.0150		**0.471**	0.5000	0	94.1	0.4867	3.36	07/23/2024
Magnesium		0.0500	S	**32.7**	2.500	31.38	54.5	33.80	3.18	07/23/2024
Molybdenum		0.0100		**0.490**	0.5000	0.008000	96.4	0.4992	1.90	07/23/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 226025 **SampType:** MBLK Units **mg/L**

SampID: MBLK-226025

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Barium		0.0025		**< 0.0025**	0.0007	0	0	-100	100	07/23/2024
Beryllium		0.0005		**< 0.0005**	0.0002	0	0	-100	100	07/23/2024
Boron		0.0200		**< 0.0200**	0.0090	0	0	-100	100	07/23/2024
Cadmium		0.0020		**< 0.0020**	0.0005	0	0	-100	100	07/23/2024
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	07/23/2024
Chromium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	07/23/2024
Cobalt		0.0050		**< 0.0050**	0.0020	0	0	-100	100	07/23/2024
Lead		0.0150		**< 0.0150**	0.0040	0	0	-100	100	07/23/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	07/23/2024
Molybdenum		0.0100		**< 0.0100**	0.0037	0	0	-100	100	07/23/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	07/23/2024
Selenium		0.0400		**< 0.0400**	0.0170	0	0	-100	100	07/23/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	07/23/2024

Batch 226025 **SampType:** LCS Units **mg/L**

SampID: LCS-226025

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Barium		0.0025		**1.94**	2.000	0	97.2	85	115	07/23/2024
Beryllium		0.0005		**0.0485**	0.0500	0	97.0	85	115	07/23/2024
Boron		0.0200		**0.472**	0.5000	0	94.4	85	115	07/23/2024
Cadmium		0.0020		**0.0482**	0.0500	0	96.4	85	115	07/23/2024
Calcium		0.100		**2.38**	2.500	0	95.1	85	115	07/23/2024
Chromium		0.0050		**0.194**	0.2000	0	97.2	85	115	07/23/2024
Cobalt		0.0050		**0.501**	0.5000	0	100.1	85	115	07/23/2024
Lead		0.0150		**0.485**	0.5000	0	97.0	85	115	07/23/2024
Magnesium		0.0500		**2.40**	2.500	0	95.9	85	115	07/23/2024
Molybdenum		0.0100		**0.480**	0.5000	0	95.9	85	115	07/23/2024
Potassium		0.100		**2.59**	2.500	0	103.6	85	115	07/23/2024
Selenium		0.0400		**0.496**	0.5000	0	99.3	85	115	07/23/2024
Sodium		0.0500		**2.38**	2.500	0	95.4	85	115	07/23/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 226025 **SampType:** MS Units **mg/L**
SampID: 24061962-044BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**84.7**	2.500	83.92	32.8	75	125	07/23/2024
Magnesium		0.0500		**22.8**	2.500	20.82	78.9	75	125	07/23/2024
Potassium		1.00		**26.5**	2.500	24.44	82.4	75	125	07/25/2024
Sodium		0.0500	S	**48.0**	2.500	46.87	45.6	75	125	07/23/2024

Batch 226025 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24061962-044BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**84.0**	2.500	83.92	5.2	84.74	0.82	07/23/2024
Magnesium		0.0500	S	**22.6**	2.500	20.82	70.3	22.80	0.95	07/23/2024
Potassium		1.00		**26.9**	2.500	24.44	99.2	26.50	1.57	07/25/2024
Sodium		0.0500	S	**47.8**	2.500	46.87	37.6	48.01	0.42	07/23/2024

Batch 226068 **SampType:** MBLK Units **mg/L**
SampID: MBLK-226068

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	07/24/2024
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	07/26/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	07/24/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	07/26/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	07/24/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	07/26/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	07/24/2024

Batch 226068 **SampType:** LCS Units **mg/L**
SampID: LCS-226068

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.38**	2.500	0	95.4	85	115	07/24/2024
Calcium		0.100		**2.50**	2.500	0	99.8	85	115	07/26/2024
Magnesium		0.0500		**2.31**	2.500	0	92.3	85	115	07/24/2024
Potassium		0.100		**2.74**	2.500	0	109.7	85	115	07/24/2024
Potassium		0.100		**2.69**	2.500	0	107.5	85	115	07/26/2024
Sodium		0.0500		**2.52**	2.500	0	100.8	85	115	07/24/2024
Sodium		0.0500		**2.71**	2.500	0	108.5	85	115	07/26/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 226068 **SampType:** MS Units **mg/L**
SampID: 24061962-015CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**174**	2.500	170.3	155.6	75	125	07/25/2024
Magnesium		0.0500		**70.6**	2.500	67.62	119.7	75	125	07/25/2024
Potassium		0.100		**8.12**	2.500	5.300	112.8	75	125	07/25/2024
Sodium		0.0500	S	**91.5**	2.500	87.62	154.4	75	125	07/25/2024

Batch 226068 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24061962-015CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**171**	2.500	170.3	37.2	174.2	1.71	07/25/2024
Magnesium		0.0500		**69.7**	2.500	67.62	81.8	70.61	1.35	07/25/2024
Potassium		0.100		**7.96**	2.500	5.300	106.3	8.120	2.02	07/25/2024
Sodium		0.0500		**90.0**	2.500	87.62	96.0	91.48	1.61	07/25/2024

Batch 226078 **SampType:** MBLK Units **mg/L**
SampID: MBLK-226078

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	07/24/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	07/24/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	07/24/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	07/24/2024

Batch 226078 **SampType:** LCS Units **mg/L**
SampID: LCS-226078

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.41**	2.500	0	96.6	85	115	07/24/2024
Magnesium		0.0500		**2.36**	2.500	0	94.6	85	115	07/24/2024
Potassium		0.100		**2.67**	2.500	0	106.7	85	115	07/24/2024
Sodium		0.0500		**2.48**	2.500	0	99.2	85	115	07/24/2024

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch 225931 **SampType:** MBLK Units **mg/L**
SampID: MBLK-225931

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	07/19/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch 225931 **SampType:** LCS Units **mg/L**
SampID: LCS-225931

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		0.0250		**0.461**	0.5000	0	92.3	80	120	07/19/2024

Batch 225931 **SampType:** MS Units **mg/L**
SampID: 24061962-002DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		0.0250		**0.660**	0.5000	0.1840	95.2	75	125	07/19/2024

Batch 225931 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24061962-002DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Boron		0.0250		**0.630**	0.5000	0.1840	89.2	0.6602	4.65	07/19/2024

Batch 225949 **SampType:** MBLK Units **mg/L**
SampID: MBLK-225949

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	07/22/2024
Iron		0.0250		**< 0.0250**	0.0115	0	0	-100	100	07/23/2024
Manganese		0.0020		**< 0.0020**	0.0008	0	0	-100	100	07/22/2024

Batch 225949 **SampType:** LCS Units **mg/L**
SampID: LCS-225949

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		0.0250		**0.414**	0.5000	0	82.9	80	120	07/22/2024
Iron		0.0250		**1.98**	2.000	0	98.9	80	120	07/23/2024
Manganese		0.0020		**0.422**	0.5000	0	84.5	80	120	07/22/2024

Batch 225949 **SampType:** MS Units **mg/L**
SampID: 24061962-006DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		0.0250		**0.483**	0.5000	0.03567	89.4	75	125	07/22/2024

Batch 225949 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24061962-006DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Boron		0.0250		**0.472**	0.5000	0.03567	87.3	0.4826	2.17	07/22/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch 225989 **SampType:** MBLK Units **mg/L**
SampID: MBLK-225989

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	07/23/2024
Iron		0.0250		**< 0.0250**	0.0115	0	0	-100	100	07/23/2024
Manganese		0.0020		**< 0.0020**	0.0008	0	0	-100	100	07/23/2024

Batch 225989 **SampType:** LCS Units **mg/L**
SampID: LCS-225989

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		0.0250		**0.478**	0.5000	0	95.5	80	120	07/23/2024
Iron		0.0250		**2.13**	2.000	0	106.6	80	120	07/23/2024
Manganese		0.0020		**0.479**	0.5000	0	95.9	80	120	07/23/2024

Batch 225989 **SampType:** MS Units **mg/L**
SampID: 24061962-013CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Iron		0.0250		**2.02**	2.000	0.01413	100.2	75	125	07/23/2024
Manganese		0.0020		**0.483**	0.5000	0.04146	88.3	75	125	07/23/2024

Batch 225989 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24061962-013CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Iron		0.0250		**2.05**	2.000	0.01413	101.9	2.017	1.73	07/23/2024
Manganese		0.0020		**0.487**	0.5000	0.04146	89.1	0.4828	0.80	07/23/2024

Batch 226024 **SampType:** MBLK Units **mg/L**
SampID: MBLK-226024

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Iron		0.0250		**< 0.0250**	0.0115	0	0	-100	100	07/23/2024
Manganese		0.0020		**< 0.0020**	0.0008	0	0	-100	100	07/23/2024

Batch 226024 **SampType:** LCS Units **mg/L**
SampID: LCS-226024

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Iron		0.0250		**2.12**	2.000	0	106.2	80	120	07/23/2024
Manganese		0.0020		**0.471**	0.5000	0	94.1	80	120	07/23/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch 226024 **SampType:** MS Units **mg/L**
SampID: 24061962-049CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Iron		0.0250		**2.00**	2.000	0	99.9	75	125	07/23/2024
Manganese		0.0020		**0.488**	0.5000	0.01949	93.8	75	125	07/23/2024

Batch 226024 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24061962-049CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Iron		0.0250		**2.04**	2.000	0	102.1	1.998	2.11	07/23/2024
Manganese		0.0020		**0.480**	0.5000	0.01949	92.2	0.4883	1.62	07/23/2024

Batch 226086 **SampType:** MBLK Units **mg/L**
SampID: MBLK-226086

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	07/26/2024
Iron		0.0250		**< 0.0250**	0.0115	0	0	-100	100	07/25/2024
Manganese		0.0020		**< 0.0020**	0.0008	0	0	-100	100	07/25/2024

Batch 226086 **SampType:** LCS Units **mg/L**
SampID: LCS-226086

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		0.0250		**0.438**	0.5000	0	87.5	80	120	07/26/2024
Iron		0.0250		**1.87**	2.000	0	93.7	80	120	07/26/2024
Manganese		0.0020		**0.505**	0.5000	0	101.1	80	120	07/25/2024

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 225814 **SampType:** MBLK Units **mg/L**
SampID: MBLK-225814

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	07/24/2024
Iron	*	0.0250		**< 0.0250**	0.0115	0	0	-100	100	07/24/2024
Manganese		0.0020		**< 0.0020**	0.0008	0	0	-100	100	07/24/2024
Selenium		0.0010		**< 0.0010**	0.0006	0	0	-100	100	07/24/2024
Thallium		0.0020		**< 0.0020**	0.0010	0	0	-100	100	07/24/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 225814 **SampType:** LCS Units **mg/L**

SampID: LCS-225814

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		**0.537**	0.5000	0	107.4	85	115	07/24/2024
Iron	*	0.0250		**2.15**	2.000	0	107.3	85	115	07/24/2024
Manganese		0.0020		**0.501**	0.5000	0	100.1	85	115	07/24/2024
Selenium		0.0010		**0.524**	0.5000	0	104.8	85	115	07/24/2024
Thallium		0.0020		**0.230**	0.2500	0	91.9	85	115	07/24/2024

Batch 225814 **SampType:** MS Units **mg/L**

SampID: 24061962-007CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Iron		0.0250		**2.83**	2.000	0.7992	101.4	75	125	07/24/2024
Manganese		0.0020		**0.534**	0.5000	0.02682	101.4	75	125	07/24/2024

Batch 225814 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 24061962-007CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Iron		0.0250		**2.81**	2.000	0.7992	100.8	2.827	0.44	07/24/2024
Manganese		0.0020		**0.537**	0.5000	0.02682	102.1	0.5339	0.63	07/24/2024

Batch 225814 **SampType:** MS Units **mg/L**

SampID: 24071772-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		**0.521**	0.5000	0.001289	103.9	70	130	07/24/2024
Selenium		0.0010		**0.479**	0.5000	0	95.9	70	130	07/24/2024
Thallium		0.0020		**0.240**	0.2500	0	96.0	70	130	07/24/2024

Batch 225814 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 24071772-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		0.0010		**0.526**	0.5000	0.001289	105.0	0.5207	1.02	07/24/2024
Selenium		0.0010		**0.503**	0.5000	0	100.6	0.4793	4.87	07/24/2024
Thallium		0.0020		**0.210**	0.2500	0	83.9	0.2401	13.49	07/24/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 225880 **SampType:** MBLK Units **mg/L**

SampID: MBLK-225880

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	07/22/2024
Antimony		0.0010	S	**0.0012**	0.0004	0	262.0	-100	100	07/19/2024
Arsenic		0.0010		**< 0.0010**	0.0004	0	0	-100	100	07/19/2024
Barium		0.0010		**< 0.0010**	0.0007	0	0	-100	100	07/22/2024
Beryllium		0.0010		**< 0.0010**	0.0002	0	0	-100	100	07/19/2024
Boron		0.0250		**< 0.0250**	0.0093	0	0	-100	100	07/19/2024
Cadmium	*	0.0010		**< 0.0010**	0.0001	0	0	-100	100	07/19/2024
Chromium		0.0015		**< 0.0015**	0.0007	0	0	-100	100	07/19/2024
Cobalt		0.0010		**< 0.0010**	0.0001	0	0	-100	100	07/19/2024
Iron		0.0250		**< 0.0250**	0.0115	0	0	-100	100	07/19/2024
Lead		0.0010		**< 0.0010**	0.0006	0	0	-100	100	07/19/2024
Lithium	*	0.0030		**< 0.0030**	0.0015	0	0	-100	100	07/19/2024
Manganese		0.0020		**< 0.0020**	0.0008	0	0	-100	100	07/19/2024
Molybdenum		0.0015		**< 0.0015**	0.0006	0	0	-100	100	07/19/2024
Selenium		0.0010		**< 0.0010**	0.0006	0	0	-100	100	07/19/2024
Thallium		0.0020		**< 0.0020**	0.0010	0	0	-100	100	07/19/2024

Batch 225880 **SampType:** LCS Units **mg/L**

SampID: LCS-225880

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010	B	**0.537**	0.5000	0	107.4	80	120	07/19/2024
Arsenic		0.0010		**0.488**	0.5000	0	97.5	80	120	07/19/2024
Barium		0.0010		**1.92**	2.000	0	96.0	80	120	07/22/2024
Beryllium		0.0010		**0.0464**	0.0500	0	92.8	80	120	07/19/2024
Boron		0.0250		**0.424**	0.5000	0	84.9	80	120	07/19/2024
Cadmium	*	0.0010		**0.0484**	0.0500	0	96.8	80	120	07/19/2024
Chromium		0.0015		**0.195**	0.2000	0	97.5	80	120	07/19/2024
Cobalt		0.0010		**0.474**	0.5000	0	94.7	80	120	07/19/2024
Iron		0.0250		**1.97**	2.000	0	98.5	80	120	07/19/2024
Lead		0.0010		**0.478**	0.5000	0	95.6	80	120	07/19/2024
Lithium	*	0.0030		**0.469**	0.5000	0	93.8	80	120	07/19/2024
Manganese		0.0020		**0.478**	0.5000	0	95.7	80	120	07/19/2024
Molybdenum		0.0015		**0.445**	0.5000	0	89.0	80	120	07/19/2024
Selenium		0.0010		**0.505**	0.5000	0	101.0	80	120	07/19/2024
Thallium		0.0020		**0.220**	0.2500	0	88.0	80	120	07/19/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 225880 **SampType:** MS Units **mg/L**

SampID: 24061962-009BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010	B	**0.591**	0.5000	0	118.3	75	125	07/19/2024
Arsenic		0.0010		**0.542**	0.5000	0.0005082	108.2	75	125	07/19/2024
Barium		0.0010		**1.89**	2.000	0.08327	90.2	75	125	07/22/2024
Beryllium		0.0010		**0.0520**	0.0500	0	104.0	75	125	07/19/2024
Boron		0.0250		**0.534**	0.5000	0.02486	101.9	75	125	07/19/2024
Cadmium	*	0.0010		**0.0531**	0.0500	0	106.2	75	125	07/19/2024
Chromium		0.0015		**0.212**	0.2000	0.001081	105.3	75	125	07/19/2024
Cobalt		0.0010		**0.514**	0.5000	0.0006623	102.7	75	125	07/19/2024
Lead		0.0010		**0.548**	0.5000	0	109.5	75	125	07/19/2024
Lithium	*	0.0030		**0.525**	0.5000	0.003745	104.3	75	125	07/19/2024
Molybdenum		0.0015		**0.436**	0.5000	0.001298	87.0	75	125	07/22/2024
Selenium		0.0010		**0.556**	0.5000	0	111.2	75	125	07/19/2024
Thallium		0.0020		**0.247**	0.2500	0	98.9	75	125	07/19/2024

Batch 225880 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 24061962-009BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		0.0010	B	**0.581**	0.5000	0	116.3	0.5914	1.70	07/19/2024
Arsenic		0.0010		**0.532**	0.5000	0.0005082	106.4	0.5416	1.75	07/19/2024
Barium		0.0010		**1.96**	2.000	0.08327	94.1	1.886	4.08	07/22/2024
Beryllium		0.0010		**0.0518**	0.0500	0	103.7	0.05202	0.36	07/19/2024
Boron		0.0250		**0.528**	0.5000	0.02486	100.6	0.5343	1.22	07/19/2024
Cadmium	*	0.0010		**0.0516**	0.0500	0	103.2	0.05308	2.87	07/19/2024
Chromium		0.0015		**0.222**	0.2000	0.001081	110.5	0.2117	4.76	07/19/2024
Cobalt		0.0010		**0.505**	0.5000	0.0006623	100.9	0.5141	1.77	07/19/2024
Lead		0.0010		**0.542**	0.5000	0	108.3	0.5475	1.08	07/19/2024
Lithium	*	0.0030		**0.520**	0.5000	0.003745	103.3	0.5250	0.90	07/19/2024
Molybdenum		0.0015		**0.427**	0.5000	0.001298	85.1	0.4365	2.27	07/22/2024
Selenium		0.0010		**0.551**	0.5000	0	110.2	0.5560	0.92	07/19/2024
Thallium		0.0020		**0.247**	0.2500	0	98.7	0.2472	0.17	07/19/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 225880 **SampType:** MS Units **mg/L**

SampID: 24061962-032BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010	B	**0.556**	0.5000	0	111.1	75	125	07/19/2024
Arsenic		0.0010		**0.498**	0.5000	0	99.6	75	125	07/19/2024
Barium		0.0010		**1.98**	2.000	0.03651	97.0	75	125	07/22/2024
Beryllium		0.0010		**0.0502**	0.0500	0	100.4	75	125	07/19/2024
Boron		0.0250		**2.35**	0.5000	1.835	102.7	75	125	07/19/2024
Cadmium	*	0.0010		**0.0486**	0.0500	0	97.3	75	125	07/19/2024
Chromium		0.0015		**0.197**	0.2000	0	98.5	75	125	07/19/2024
Cobalt		0.0010		**0.480**	0.5000	0	95.9	75	125	07/19/2024
Lead		0.0010		**0.517**	0.5000	0	103.5	75	125	07/19/2024
Lithium	*	0.0030		**0.591**	0.5000	0.07795	102.6	75	125	07/19/2024
Molybdenum		0.0015		**0.474**	0.5000	0	94.8	75	125	07/19/2024
Selenium		0.0010		**0.502**	0.5000	0	100.5	75	125	07/19/2024
Thallium		0.0020		**0.226**	0.2500	0	90.6	75	125	07/19/2024

Batch 225880 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 24061962-032BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		0.0010	B	**0.530**	0.5000	0	105.9	0.5557	4.80	07/19/2024
Arsenic		0.0010		**0.492**	0.5000	0	98.4	0.4979	1.19	07/19/2024
Barium		0.0010		**1.93**	2.000	0.03651	94.7	1.976	2.36	07/22/2024
Beryllium		0.0010		**0.0494**	0.0500	0	98.9	0.05022	1.56	07/19/2024
Boron		0.0250		**2.28**	0.5000	1.835	89.4	2.349	2.88	07/19/2024
Cadmium	*	0.0010		**0.0459**	0.0500	0	91.7	0.04864	5.90	07/19/2024
Chromium		0.0015		**0.186**	0.2000	0	92.9	0.1969	5.77	07/19/2024
Cobalt		0.0010		**0.461**	0.5000	0	92.1	0.4796	4.02	07/19/2024
Lead		0.0010		**0.500**	0.5000	0	99.9	0.5173	3.50	07/19/2024
Lithium	*	0.0030		**0.578**	0.5000	0.07795	99.9	0.5910	2.31	07/19/2024
Molybdenum		0.0015		**0.469**	0.5000	0	93.9	0.4741	1.00	07/19/2024
Selenium		0.0010		**0.493**	0.5000	0	98.5	0.5024	1.96	07/19/2024
Thallium		0.0020		**0.225**	0.2500	0	90.0	0.2264	0.63	07/19/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 225932 **SampType:** MBLK Units **mg/L**

SampID: MBLK-225932

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	07/22/2024
Arsenic		0.0010		**< 0.0010**	0.0004	0	0	-100	100	07/22/2024
Barium		0.0010		**< 0.0010**	0.0007	0	0	-100	100	07/22/2024
Beryllium		0.0010		**< 0.0010**	0.0002	0	0	-100	100	07/22/2024
Boron		0.0250		**< 0.0250**	0.0093	0	0	-100	100	07/22/2024
Cadmium	*	0.0010		**< 0.0010**	0.0001	0	0	-100	100	07/22/2024
Chromium		0.0015		**< 0.0015**	0.0007	0	0	-100	100	07/22/2024
Cobalt		0.0010		**< 0.0010**	0.0001	0	0	-100	100	07/24/2024
Cobalt		0.0010		**< 0.0010**	0.0001	0	0	-100	100	07/23/2024
Iron		0.0250		**< 0.0250**	0.0115	0	0	-100	100	07/23/2024
Lead		0.0010		**< 0.0010**	0.0006	0	0	-100	100	07/22/2024
Lithium	*	0.0030		**< 0.0030**	0.0015	0	0	-100	100	07/22/2024
Manganese		0.0020		**< 0.0020**	0.0008	0	0	-100	100	07/22/2024
Molybdenum		0.0015		**< 0.0015**	0.0006	0	0	-100	100	07/22/2024
Selenium		0.0010		**< 0.0010**	0.0006	0	0	-100	100	07/22/2024
Thallium		0.0020		**< 0.0020**	0.0010	0	0	-100	100	07/22/2024

Batch 225932 **SampType:** LCS Units **mg/L**

SampID: LCS-225932

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		**0.495**	0.5000	0	99.0	80	120	07/22/2024
Arsenic		0.0010		**0.468**	0.5000	0	93.7	80	120	07/22/2024
Barium		0.0010		**1.96**	2.000	0	97.9	80	120	07/22/2024
Beryllium		0.0010		**0.0488**	0.0500	0	97.5	80	120	07/22/2024
Boron		0.0250		**0.463**	0.5000	0	92.7	80	120	07/22/2024
Cadmium	*	0.0010		**0.0471**	0.0500	0	94.3	80	120	07/22/2024
Chromium		0.0015		**0.193**	0.2000	0	96.7	80	120	07/22/2024
Cobalt		0.0010		**0.491**	0.5000	0	98.3	80	120	07/23/2024
Iron		0.0250		**2.13**	2.000	0	106.6	80	120	07/23/2024
Lead		0.0010		**0.475**	0.5000	0	95.0	80	120	07/22/2024
Lithium	*	0.0030		**0.529**	0.5000	0	105.7	80	120	07/23/2024
Manganese		0.0020		**0.484**	0.5000	0	96.9	80	120	07/22/2024
Molybdenum		0.0015		**0.442**	0.5000	0	88.3	80	120	07/22/2024
Selenium		0.0010		**0.493**	0.5000	0	98.5	80	120	07/22/2024
Thallium		0.0020		**0.223**	0.2500	0	89.4	80	120	07/23/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 225932 **SampType:** MS Units **mg/L**

SampID: 24061962-026BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		**0.497**	0.5000	0	99.4	75	125	07/23/2024
Arsenic		0.0010		**0.461**	0.5000	0	92.2	75	125	07/23/2024
Barium		0.0010		**2.00**	2.000	0.05742	97.3	75	125	07/23/2024
Beryllium		0.0010		**0.0481**	0.0500	0	96.2	75	125	07/23/2024
Boron		0.0250		**2.17**	0.5000	1.625	108.9	75	125	07/23/2024
Cadmium	*	0.0010		**0.0460**	0.0500	0	92.0	75	125	07/23/2024
Chromium		0.0015		**0.177**	0.2000	0	88.4	75	125	07/23/2024
Cobalt		0.0010		**0.482**	0.5000	0	96.4	75	125	07/23/2024
Lead		0.0010		**0.466**	0.5000	0	93.2	75	125	07/23/2024
Lithium	*	0.0030		**0.581**	0.5000	0.06300	103.6	75	125	07/23/2024
Molybdenum		0.0015		**0.466**	0.5000	0	93.2	75	125	07/23/2024
Selenium		0.0010		**0.487**	0.5000	0	97.3	75	125	07/23/2024
Thallium		0.0020		**0.239**	0.2500	0	95.7	75	125	07/23/2024

Batch 225932 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 24061962-026BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		0.0010		**0.481**	0.5000	0	96.3	0.4971	3.23	07/23/2024
Arsenic		0.0010		**0.464**	0.5000	0	92.9	0.4608	0.79	07/23/2024
Barium		0.0010		**1.94**	2.000	0.05742	94.0	2.004	3.41	07/23/2024
Beryllium		0.0010		**0.0465**	0.0500	0	93.0	0.04809	3.33	07/23/2024
Boron		0.0250		**2.10**	0.5000	1.625	94.4	2.169	3.40	07/23/2024
Cadmium	*	0.0010		**0.0443**	0.0500	0	88.7	0.04599	3.63	07/23/2024
Chromium		0.0015		**0.178**	0.2000	0	88.9	0.1767	0.59	07/23/2024
Cobalt		0.0010		**0.494**	0.5000	0	98.7	0.4818	2.44	07/23/2024
Lead		0.0010		**0.469**	0.5000	0	93.8	0.4662	0.59	07/23/2024
Lithium	*	0.0030		**0.563**	0.5000	0.06300	100.0	0.5810	3.13	07/23/2024
Molybdenum		0.0015		**0.443**	0.5000	0	88.7	0.4660	4.97	07/23/2024
Selenium		0.0010		**0.483**	0.5000	0	96.5	0.4867	0.84	07/23/2024
Thallium		0.0020		**0.229**	0.2500	0	91.6	0.2392	4.39	07/23/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 225998 **SampType:** MBLK Units **mg/L**

SampID: MBLK-225998

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	07/23/2024
Arsenic		0.0010		**< 0.0010**	0.0004	0	0	-100	100	07/23/2024
Barium		0.0010		**< 0.0010**	0.0007	0	0	-100	100	07/23/2024
Beryllium		0.0010		**< 0.0010**	0.0002	0	0	-100	100	07/23/2024
Boron	*	0.0250		**< 0.0250**	0.0093	0	0	-100	100	07/23/2024
Cadmium	*	0.0010		**< 0.0010**	0.0001	0	0	-100	100	07/23/2024
Chromium		0.0015		**< 0.0015**	0.0007	0	0	-100	100	07/23/2024
Cobalt		0.0010		**< 0.0010**	0.0001	0	0	-100	100	07/23/2024
Iron	*	0.0250		**< 0.0250**	0.0115	0	0	-100	100	07/23/2024
Lead		0.0010		**< 0.0010**	0.0006	0	0	-100	100	07/23/2024
Lithium	*	0.0030		**< 0.0030**	0.0015	0	0	-100	100	07/23/2024
Manganese		0.0020		**< 0.0020**	0.0008	0	0	-100	100	07/23/2024
Molybdenum		0.0015		**< 0.0015**	0.0006	0	0	-100	100	07/23/2024
Selenium		0.0010		**< 0.0010**	0.0006	0	0	-100	100	07/23/2024
Thallium		0.0020		**< 0.0020**	0.0010	0	0	-100	100	07/23/2024

Batch 225998 **SampType:** LCS Units **mg/L**

SampID: LCS-225998

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		**0.527**	0.5000	0	105.4	85	115	07/23/2024
Arsenic		0.0010		**0.522**	0.5000	0	104.4	85	115	07/23/2024
Barium		0.0010		**2.07**	2.000	0	103.5	85	115	07/23/2024
Beryllium		0.0010		**0.0477**	0.0500	0	95.3	85	115	07/23/2024
Boron	*	0.0250		**0.459**	0.5000	0	91.7	85	115	07/23/2024
Cadmium	*	0.0010		**0.0498**	0.0500	0	99.7	85	115	07/23/2024
Chromium		0.0015		**0.211**	0.2000	0	105.7	85	115	07/23/2024
Cobalt		0.0010		**0.495**	0.5000	0	99.1	85	115	07/23/2024
Iron	*	0.0250		**2.22**	2.000	0	111.1	85	115	07/23/2024
Lead		0.0010		**0.477**	0.5000	0	95.5	85	115	07/23/2024
Lithium	*	0.0030		**0.477**	0.5000	0	95.5	85	115	07/23/2024
Manganese		0.0020		**0.510**	0.5000	0	102.0	85	115	07/23/2024
Molybdenum		0.0015		**0.447**	0.5000	0	89.3	85	115	07/23/2024
Selenium		0.0010		**0.512**	0.5000	0	102.4	85	115	07/23/2024
Thallium		0.0020		**0.246**	0.2500	0	98.3	85	115	07/23/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 225998 **SampType:** MS Units **mg/L**
SampID: 24071547-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cadmium	*	0.0010		**0.0507**	0.0500	0.0002640	100.8	70	130	07/23/2024
Selenium		0.0010		**0.510**	0.5000	0.002438	101.5	70	130	07/23/2024

Batch 225998 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24071547-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cadmium	*	0.0010		**0.0488**	0.0500	0.0002640	97.1	0.05068	3.74	07/23/2024
Selenium		0.0010		**0.497**	0.5000	0.002438	99.0	0.5099	2.53	07/23/2024

Batch 225998 **SampType:** MS Units **mg/L**
SampID: 24071644-003AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Thallium		0.0020		**0.242**	0.2500	0	96.7	70	130	07/24/2024

Batch 225998 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24071644-003AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Thallium		0.0020		**0.236**	0.2500	0	94.4	0.2416	2.41	07/24/2024

Batch 226025 **SampType:** MBLK Units **mg/L**
SampID: MBLK-226025

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010	S	**0.0012**	0.0004	0	261.6	-100	100	07/24/2024
Antimony		0.0010		**< 0.0010**	0.0004	0	0	-100	100	07/25/2024
Arsenic		0.0010		**< 0.0010**	0.0004	0	0	-100	100	07/24/2024
Barium		0.0010		**< 0.0010**	0.0007	0	0	-100	100	07/24/2024
Beryllium		0.0010		**< 0.0010**	0.0002	0	0	-100	100	07/24/2024
Boron		0.0250		**< 0.0250**	0.0093	0	0	-100	100	07/24/2024
Cadmium	*	0.0010		**< 0.0010**	0.0001	0	0	-100	100	07/24/2024
Chromium		0.0015		**< 0.0015**	0.0007	0	0	-100	100	07/24/2024
Cobalt		0.0010		**< 0.0010**	0.0001	0	0	-100	100	07/24/2024
Lead		0.0010		**< 0.0010**	0.0006	0	0	-100	100	07/24/2024
Lithium	*	0.0030		**< 0.0030**	0.0015	0	0	-100	100	07/24/2024
Molybdenum		0.0015		**< 0.0015**	0.0006	0	0	-100	100	07/24/2024
Selenium		0.0010		**< 0.0010**	0.0006	0	0	-100	100	07/24/2024
Thallium		0.0020		**< 0.0020**	0.0010	0	0	-100	100	07/24/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 226025 **SampType:** LCS Units **mg/L**

SampID: LCS-226025

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010	B	**0.548**	0.5000	0	109.5	80	120	07/24/2024
Arsenic		0.0010		**0.501**	0.5000	0	100.1	80	120	07/24/2024
Barium		0.0010		**2.09**	2.000	0	104.7	80	120	07/24/2024
Beryllium		0.0010		**0.0495**	0.0500	0	99.0	80	120	07/24/2024
Boron		0.0250		**0.497**	0.5000	0	99.4	80	120	07/24/2024
Cadmium	*	0.0010		**0.0513**	0.0500	0	102.6	80	120	07/24/2024
Chromium		0.0015		**0.207**	0.2000	0	103.6	80	120	07/24/2024
Cobalt		0.0010		**0.492**	0.5000	0	98.3	80	120	07/24/2024
Lead		0.0010		**0.515**	0.5000	0	103.0	80	120	07/24/2024
Lithium	*	0.0030		**0.524**	0.5000	0	104.9	80	120	07/24/2024
Molybdenum		0.0015		**0.449**	0.5000	0	89.8	80	120	07/24/2024
Selenium		0.0010		**0.521**	0.5000	0	104.3	80	120	07/24/2024
Thallium		0.0020		**0.222**	0.2500	0	88.9	80	120	07/24/2024

Batch 226025 **SampType:** MS Units **mg/L**

SampID: 24061962-044BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010	B	**0.549**	0.5000	0.0004561	109.8	75	125	07/24/2024
Arsenic		0.0010		**0.512**	0.5000	0.004724	101.4	75	125	07/24/2024
Barium		0.0010		**2.21**	2.000	0.2377	98.6	75	125	07/24/2024
Beryllium		0.0010		**0.0508**	0.0500	0	101.5	75	125	07/24/2024
Cadmium	*	0.0010		**0.0503**	0.0500	0	100.7	75	125	07/24/2024
Chromium		0.0015		**0.206**	0.2000	0	103.2	75	125	07/24/2024
Cobalt		0.0010		**0.493**	0.5000	0.0005248	98.4	75	125	07/24/2024
Lead		0.0010		**0.495**	0.5000	0	99.0	75	125	07/24/2024
Lithium	*	0.0030		**0.535**	0.5000	0.01302	104.3	75	125	07/24/2024
Molybdenum		0.0015		**0.512**	0.5000	0.08787	84.7	75	125	07/24/2024
Selenium		0.0010		**0.500**	0.5000	0.001211	99.8	75	125	07/24/2024
Thallium		0.0020		**0.240**	0.2500	0	96.1	75	125	07/24/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 226025 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 24061962-044BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		0.0010	B	**0.551**	0.5000	0.0004561	110.1	0.5493	0.28	07/24/2024
Arsenic		0.0010		**0.518**	0.5000	0.004724	102.6	0.5118	1.18	07/24/2024
Barium		0.0010		**2.22**	2.000	0.2377	99.2	2.209	0.56	07/24/2024
Beryllium		0.0010		**0.0494**	0.0500	0	98.8	0.05076	2.72	07/24/2024
Cadmium	*	0.0010		**0.0523**	0.0500	0	104.7	0.05034	3.89	07/24/2024
Chromium		0.0015		**0.212**	0.2000	0	106.2	0.2063	2.92	07/24/2024
Cobalt		0.0010		**0.507**	0.5000	0.0005248	101.2	0.4925	2.85	07/24/2024
Lead		0.0010		**0.473**	0.5000	0	94.7	0.4948	4.41	07/24/2024
Lithium	*	0.0030		**0.528**	0.5000	0.01302	103.0	0.5346	1.22	07/24/2024
Molybdenum		0.0015		**0.526**	0.5000	0.08787	87.6	0.5116	2.80	07/24/2024
Selenium		0.0010		**0.510**	0.5000	0.001211	101.7	0.5000	1.92	07/24/2024
Thallium		0.0020		**0.243**	0.2500	0	97.1	0.2403	1.03	07/24/2024

Batch 226025 **SampType:** MS Units **mg/L**

SampID: 24071773-006DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		**0.562**	0.5000	0.0007643	112.2	75	125	07/25/2024
Arsenic		0.0010		**0.586**	0.5000	0.03279	110.6	75	125	07/24/2024
Lithium	*	0.0030		**0.583**	0.5000	0.08986	98.5	75	125	07/24/2024
Thallium		0.0020		**0.245**	0.2500	0	98.2	75	125	07/24/2024

Batch 226025 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 24071773-006DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		0.0010		**0.572**	0.5000	0.0007643	114.3	0.5616	1.88	07/25/2024
Arsenic		0.0010		**0.624**	0.5000	0.03279	118.3	0.5860	6.29	07/24/2024
Lithium	*	0.0030		**0.591**	0.5000	0.08986	100.2	0.5826	1.43	07/24/2024
Thallium		0.0020		**0.243**	0.2500	0	97.1	0.2454	1.12	07/24/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 226068 **SampType:** MBLK Units **mg/L**

SampID: MBLK-226068

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010	S	**0.0011**	0.0004	0	236.9	-100	100	07/25/2024
Arsenic		0.0010		**< 0.0010**	0.0004	0	0	-100	100	07/24/2024
Barium		0.0010		**< 0.0010**	0.0007	0	0	-100	100	07/24/2024
Beryllium		0.0010		**< 0.0010**	0.0002	0	0	-100	100	07/24/2024
Boron	*	0.0250		**< 0.0250**	0.0093	0	0	-100	100	07/26/2024
Cadmium	*	0.0010		**< 0.0010**	0.0001	0	0	-100	100	07/24/2024
Chromium		0.0015		**< 0.0015**	0.0007	0	0	-100	100	07/25/2024
Cobalt		0.0010		**< 0.0010**	0.0001	0	0	-100	100	07/25/2024
Iron	*	0.0250		**< 0.0250**	0.0115	0	0	-100	100	07/25/2024
Iron	*	0.0250		**< 0.0250**	0.0115	0	0	-100	100	07/24/2024
Lead		0.0010		**< 0.0010**	0.0006	0	0	-100	100	07/24/2024
Lithium	*	0.0030		**< 0.0030**	0.0015	0	0	-100	100	07/26/2024
Lithium	*	0.0030		**< 0.0030**	0.0015	0	0	-100	100	07/24/2024
Manganese		0.0020		**< 0.0020**	0.0008	0	0	-100	100	07/25/2024
Molybdenum		0.0015		**< 0.0015**	0.0006	0	0	-100	100	07/24/2024
Selenium		0.0010		**< 0.0010**	0.0006	0	0	-100	100	07/24/2024
Selenium		0.0010		**< 0.0010**	0.0006	0	0	-100	100	07/25/2024
Thallium		0.0020		**< 0.0020**	0.0010	0	0	-100	100	07/24/2024
Thallium		0.0020		**< 0.0020**	0.0010	0	0	-100	100	07/26/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 226068 **SampType:** LCS Units **mg/L**

SampID: LCS-226068

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010	BS	**0.579**	0.5000	0	115.8	85	115	07/25/2024
Arsenic		0.0010		**0.524**	0.5000	0	104.9	85	115	07/25/2024
Barium		0.0010		**2.21**	2.000	0	110.7	85	115	07/25/2024
Beryllium		0.0010		**0.0533**	0.0500	0	106.7	85	115	07/25/2024
Boron	*	0.0250		**0.531**	0.5000	0	106.3	85	115	07/26/2024
Cadmium	*	0.0010		**0.0534**	0.0500	0	106.9	85	115	07/25/2024
Chromium		0.0015		**0.217**	0.2000	0	108.5	85	115	07/25/2024
Cobalt		0.0010		**0.519**	0.5000	0	103.7	85	115	07/25/2024
Iron	*	0.0250		**1.90**	2.000	0	95.0	85	115	07/26/2024
Lead		0.0010	E	**0.517**	0.5000	0	103.5	85	115	07/25/2024
Lithium	*	0.0030		**0.531**	0.5000	0	106.2	85	115	07/29/2024
Manganese		0.0020		**0.531**	0.5000	0	106.2	85	115	07/25/2024
Molybdenum		0.0015		**0.472**	0.5000	0	94.3	85	115	07/25/2024
Selenium		0.0010		**0.535**	0.5000	0	107.0	85	115	07/25/2024
Thallium		0.0020		**0.244**	0.2500	0	97.8	85	115	07/26/2024

Batch 226068 **SampType:** MS Units **mg/L**

SampID: 24061962-015CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010	B	**0.586**	0.5000	0.0006849	117.1	75	125	07/25/2024
Arsenic		0.0010		**0.551**	0.5000	0.001167	110.0	75	125	07/25/2024
Barium		0.0010		**2.34**	2.000	0.1113	111.6	75	125	07/25/2024
Beryllium		0.0010		**0.0539**	0.0500	0	107.7	75	125	07/25/2024
Boron		0.0250		**0.705**	0.5000	0.1819	104.6	75	125	07/26/2024
Cadmium	*	0.0010		**0.0545**	0.0500	0	109.1	75	125	07/25/2024
Chromium		0.0015		**0.215**	0.2000	0	107.4	75	125	07/25/2024
Cobalt		0.0010		**0.518**	0.5000	0	103.6	75	125	07/25/2024
Iron		0.0250		**2.34**	2.000	0.3898	97.3	75	125	07/26/2024
Lead		0.0010		**0.520**	0.5000	0	103.9	75	125	07/25/2024
Lithium	*	0.0030		**0.594**	0.5000	0.01422	116.1	75	125	07/29/2024
Manganese		0.0020		**0.621**	0.5000	0.08213	107.8	75	125	07/25/2024
Molybdenum		0.0015		**0.499**	0.5000	0.004104	99.0	75	125	07/25/2024
Selenium		0.0010		**0.562**	0.5000	0	112.4	75	125	07/25/2024
Thallium		0.0020		**0.249**	0.2500	0	99.4	75	125	07/25/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 226068 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 24061962-015CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		0.0010	B	**0.561**	0.5000	0.0006849	112.0	0.5859	4.44	07/25/2024
Arsenic		0.0010		**0.532**	0.5000	0.001167	106.1	0.5513	3.60	07/25/2024
Barium		0.0010		**2.29**	2.000	0.1113	108.9	2.344	2.36	07/25/2024
Beryllium		0.0010		**0.0510**	0.0500	0	102.0	0.05386	5.50	07/25/2024
Boron		0.0250		**0.710**	0.5000	0.1819	105.7	0.7051	0.75	07/26/2024
Cadmium	*	0.0010		**0.0519**	0.0500	0	103.7	0.05455	5.05	07/25/2024
Chromium		0.0015		**0.206**	0.2000	0	102.8	0.2149	4.43	07/25/2024
Cobalt		0.0010		**0.503**	0.5000	0	100.6	0.5180	2.96	07/25/2024
Iron		0.0250		**2.34**	2.000	0.3898	97.4	2.335	0.12	07/26/2024
Lead		0.0010		**0.518**	0.5000	0	103.6	0.5196	0.34	07/25/2024
Lithium	*	0.0030		**0.566**	0.5000	0.01422	110.4	0.5945	4.84	07/29/2024
Manganese		0.0020		**0.602**	0.5000	0.08213	103.9	0.6213	3.19	07/25/2024
Molybdenum		0.0015		**0.478**	0.5000	0.004104	94.8	0.4992	4.34	07/25/2024
Selenium		0.0010		**0.540**	0.5000	0	107.9	0.5622	4.11	07/25/2024
Thallium		0.0020		**0.234**	0.2500	0	93.6	0.2486	6.06	07/25/2024

Batch 226078 **SampType:** MBLK Units **mg/L**

SampID: MBLK-226078

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010	S	**0.0010**	0.0004	0	225.8	-100	100	07/24/2024
Arsenic		0.0010		**< 0.0010**	0.0004	0	0	-100	100	07/24/2024
Barium		0.0010		**< 0.0010**	0.0007	0	0	-100	100	07/24/2024
Beryllium		0.0010		**< 0.0010**	0.0002	0	0	-100	100	07/24/2024
Boron		0.0250		**< 0.0250**	0.0093	0	0	-100	100	07/24/2024
Cadmium	*	0.0010		**< 0.0010**	0.0001	0	0	-100	100	07/24/2024
Chromium		0.0015		**< 0.0015**	0.0007	0	0	-100	100	07/25/2024
Cobalt		0.0010		**< 0.0010**	0.0001	0	0	-100	100	07/24/2024
Iron		0.0250		**< 0.0250**	0.0115	0	0	-100	100	07/24/2024
Lead		0.0010		**< 0.0010**	0.0006	0	0	-100	100	07/24/2024
Lithium	*	0.0030		**< 0.0030**	0.0015	0	0	-100	100	07/24/2024
Manganese		0.0020		**< 0.0020**	0.0008	0	0	-100	100	07/24/2024
Molybdenum		0.0015		**< 0.0015**	0.0006	0	0	-100	100	07/24/2024
Selenium		0.0010		**< 0.0010**	0.0006	0	0	-100	100	07/24/2024
Thallium		0.0020		**< 0.0020**	0.0010	0	0	-100	100	07/24/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 226078 **SampType:** LCS Units **mg/L**

SampID: LCS-226078

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010	B	**0.562**	0.5000	0	112.3	80	120	07/24/2024
Arsenic		0.0010		**0.543**	0.5000	0	108.6	80	120	07/24/2024
Barium		0.0010		**2.17**	2.000	0	108.7	80	120	07/24/2024
Beryllium		0.0010		**0.0501**	0.0500	0	100.2	80	120	07/24/2024
Boron		0.0250		**0.447**	0.5000	0	89.4	80	120	07/24/2024
Cadmium	*	0.0010		**0.0533**	0.0500	0	106.6	80	120	07/24/2024
Chromium		0.0015		**0.216**	0.2000	0	108.0	80	120	07/25/2024
Cobalt		0.0010		**0.546**	0.5000	0	109.2	80	120	07/24/2024
Iron		0.0250		**2.30**	2.000	0	115.1	80	120	07/24/2024
Lead		0.0010		**0.510**	0.5000	0	101.9	80	120	07/24/2024
Lithium	*	0.0030		**0.508**	0.5000	0	101.6	80	120	07/24/2024
Manganese		0.0020		**0.530**	0.5000	0	106.1	80	120	07/24/2024
Molybdenum		0.0015		**0.472**	0.5000	0	94.3	80	120	07/24/2024
Selenium		0.0010		**0.519**	0.5000	0	103.8	80	120	07/24/2024
Thallium		0.0020		**0.253**	0.2500	0	101.2	80	120	07/24/2024

Batch 226078 **SampType:** MS Units **mg/L**

SampID: 24061962-019CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Iron		0.0250		**2.30**	2.000	0.1626	106.8	75	125	07/25/2024
Manganese		0.0020		**0.542**	0.5000	0.06245	96.0	75	125	07/25/2024

Batch 226078 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 24061962-019CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Iron		0.0250		**2.31**	2.000	0.1626	107.5	2.299	0.54	07/25/2024
Manganese		0.0020		**0.561**	0.5000	0.06245	99.7	0.5422	3.42	07/25/2024

Batch 226553 **SampType:** MBLK Units **mg/L**

SampID: MBLK-226553

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	08/05/2024
Boron	*	0.0250		**< 0.0250**	0.0093	0	0	-100	100	08/05/2024
Selenium		0.0010		**< 0.0010**	0.0006	0	0	-100	100	08/05/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 226553 **SampType:** LCS Units **mg/L**
SampID: LCS-226553

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0010		**0.503**	0.5000	0	100.6	85	115	08/05/2024
Boron	*	0.0250		**0.465**	0.5000	0	93.1	85	115	08/05/2024
Selenium		0.0010		**0.520**	0.5000	0	103.9	85	115	08/05/2024

SW-846 7470A (TOTAL)

Batch 225881 **SampType:** MBLK Units **mg/L**
SampID: MBLK-225881

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	07/19/2024

Batch 225881 **SampType:** LCS Units **mg/L**
SampID: LCS-225881

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00482**	0.0050	0	96.4	85	115	07/19/2024

Batch 225881 **SampType:** MS Units **mg/L**
SampID: 24061962-009BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00470**	0.0050	0	94.0	75	125	07/19/2024

Batch 225881 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24061962-009BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00467**	0.0050	0	93.4	0.004699	0.58	07/19/2024

Batch 225881 **SampType:** MS Units **mg/L**
SampID: 24061962-040BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00481**	0.0050	0	96.1	75	125	07/19/2024

Batch 225881 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24061962-040BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00486**	0.0050	0	97.1	0.004806	1.03	07/19/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

SW-846 7470A (TOTAL)

Batch 225937 **SampType:** MBLK Units **mg/L**
SampID: MBLK-225937

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	07/22/2024

Batch 225937 **SampType:** MS Units **mg/L**
SampID: 24061962-022BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00441**	0.0050	0	88.2	75	125	07/22/2024

Batch 225937 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24061962-022BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00454**	0.0050	0	90.7	0.004410	2.84	07/22/2024

Batch 225937 **SampType:** MS Units **mg/L**
SampID: 24061962-048BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00438**	0.0050	0	87.7	75	125	07/22/2024

Batch 225937 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24061962-048BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00459**	0.0050	0	91.8	0.004384	4.60	07/22/2024

Batch 225987 **SampType:** MBLK Units **mg/L**
SampID: MBLK-225987

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	07/23/2024

Batch 225987 **SampType:** LCS Units **mg/L**
SampID: LCS-225987

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00479**	0.0050	0	95.9	85	115	07/23/2024

Batch 225987 **SampType:** MS Units **mg/L**
SampID: 24061962-013BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00485**	0.0050	0	97.1	75	125	07/23/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

SW-846 7470A (TOTAL)

Batch 225987 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24061962-013BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00472**	0.0050	0	94.4	0.004853	2.81	07/23/2024

Batch 226026 **SampType:** MBLK Units **mg/L**
SampID: MBLK-226026

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	07/23/2024

Batch 226026 **SampType:** LCS Units **mg/L**
SampID: LCS-226026

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00447**	0.0050	0	89.4	85	115	07/23/2024

Batch 226026 **SampType:** MS Units **mg/L**
SampID: 24061962-049BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00467**	0.0050	0	93.3	75	125	07/23/2024

Batch 226026 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24061962-049BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00462**	0.0050	0	92.4	0.004667	0.99	07/23/2024

Batch 226026 **SampType:** MS Units **mg/L**
SampID: 24071717-018BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00467**	0.0050	0	93.3	75	125	07/23/2024

Batch 226026 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24071717-018BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00475**	0.0050	0	95.1	0.004665	1.90	07/23/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24061962

Client Project: BAL-24Q3 **Report Date:** 13-Aug-24

SW-846 7470A (TOTAL)

Batch 226132 **SampType:** MBLK Units **mg/L**
SampID: MBLK-226132

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	07/29/2024
Mercury		0.00020		**< 0.00020**	0.0001	0	0	-100	100	07/26/2024

Batch 226132 **SampType:** LCS Units **mg/L**
SampID: LCS-226132

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00561**	0.0050	0	112.1	85	115	07/29/2024
Mercury		0.00020		**0.00469**	0.0050	0	93.8	85	115	07/26/2024

Batch 226132 **SampType:** MS Units **mg/L**
SampID: 24071862-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00557**	0.0050	0	111.5	75	125	07/29/2024

Batch 226132 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24071862-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00551**	0.0050	0	110.2	0.005574	1.19	07/29/2024

Batch 226132 **SampType:** MS Units **mg/L**
SampID: 24071896-003DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00507**	0.0050	0	101.4	75	125	07/26/2024

Batch 226132 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24071896-003DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00514**	0.0050	0	102.8	0.005069	1.35	07/26/2024

Teklab, Inc. Environmental Laboratory

Receiving Check List

http://www.teklabinc.com/

Client: Ramboll
Work Order: 24061962
Client Project: BAL-24Q3
Report Date: 13-Aug-24

Carrier: Justin Colp
Received By: PRS

Completed by: Paul Schultz
On: 18-Jul-24

Reviewed by: Elizabeth A. Hurley
On: 23-Jul-24

Pages to follow: Chain of custody 12 Extra pages included 0

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C 19.9
Type of thermal preservation?	None ☐	Ice ☑	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Reported field parameters measured:	Field ☑	Lab ☐	NA ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐		
When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.				
Water – at least one vial per sample has zero headspace?	Yes ☐	No ☐	No VOA vials ☑	
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☑	
Water - pH acceptable upon receipt?	Yes ☐	No ☑	NA ☐	
NPDES/CWA TCN interferences checked/treated in the field?	Yes ☐	No ☐	NA ☑	

Any No responses must be detailed below or on the COC.

pH strip #96651. - pschultz - 7/18/2024 8:30:22 AM

Additional Nitric Acid (98584) preservative was needed in MW304, MW393, MW394, PZ170, and MW304 Duplicate upon arrival at the laboratory. - pschultz - 7/18/2024 8:30:24 AM

Samples were received on 7/18/2024 at 16:30 on ice [10.7C - LTG#9]. - pschultz - 7/19/2024 8:24:42 AM

pH strip #96651. - pschultz - 7/19/2024 8:24:52 AM

Additional Nitric Acid (98584) was needed in MW369 upon arrival at the laboratory. - pschultz - 7/19/2024 8:24:54 AM

Samples were received on 7/19/24 at 1220 on ice [5.7C - LTG5]. pH strip #96651. - amberdilallo - 7/19/2024 1:51:13 PM

Samples were received on 7/22/24 at 1450 on ice [17.3C - LTG5]. Additional Nitric Acid (98584) was needed in PZ-178 Duplicate upon arrival at the laboratory. - amberdilallo - 7/22/2024 3:07:45 PM

pH strip #96651. - amberdilallo - 7/22/2024 3:07:47 PM

Samples were received on 7/23/24 at 1324 on ice [22.3C - LTG5]. Field Blank and Equipment Blank 1 were filtered unpreserved and preserved with Nitric Acid (98584) for the dissolved parameters upon arrival at the laboratory. - amberdilallo - 7/23/2024 1:58:51 PM

pH strip #96651. - amberdilallo - 7/23/2024 1:58:54 PM

Teklab, Inc.
Environmental Laboratory

Receiving Check List

Client: Ramboll
Work Order: 24061962
Client Project: BAL-24Q3
Report Date: 13-Aug-24

CHAIN-OF-CUSTODY / Analytical Request Document

24061962

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

Page: 1 of 3

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Baldwin	Report To: Brian Voelker	Attention: Brian Voelker
Address: 10901 Baldwin Road	Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp
Baldwin, IL 62217	Kim Edmiaston	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.: Kimberly.Edmiaston@vistracorp.com	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY: NPDES, GROUND WATER, DRINKING WATER, UST, RCRA, OTHER

Site Location STATE: IL

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

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,- Sample IDs MUST BE UNIQUE)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-NE-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-104DR	WT	G	7.17.24	1207		4	2		2												X		24061962-001
2	MW-104SR	WT	G	7.17.24	1233		4	2		2												X		24061962-002
3	MW-150	WT	G				4	2		2								X		X		X		24061962-003
4	MW-151	WT	G				4	2		2								X		X		X		24061962-004
5	MW-152	WT	G				4	2		2								X		X		X		24061962-005
6	MW-153	WT	G				4	2		2								X		X		X		24061962-006
7	MW-154	WT	G				4	2		2												X		24061962-007
8	MW-155	WT	G				4	2		2												X		24061962-008
9	MW-192	WT	G	7.17.24	1412		2	1		1							X		X					24061962-009
10	MW-193	WT	G	7-17-24	0826		2	1		1							X		X					24061962-010
11	MW-195	WT	G				3	1		2											X			24061962-011
12	MW-196	WT	G				3	1		2											X			24061962-012
13	MW-197	WT	G				3	1		2											X			24061962-013
14	MW-252	WT	G				4	2		2								X		X		X		24061962-014
15	MW-253R	WT	G				4	2		2								X		X		X		24061962-015
16	MW-304	WT	G	7.17.24	1020		4	2		2							X	X	X	X		X		24061962-016

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)
BAL-24Q3 Rev 0	J. Colp	7-17	1600	Paul Gray	7/17/24	1600				
							19.9	DG9	N	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: Justin Colp DATE Signed (MM/DD/YY): 7-17-24

PW 96451

Added HNO_3 (98584) to MW304, MW393

MW 394, PZ 170, & MW304dup

sealed

CHAIN-OF-CUSTODY / Analytical Request Document

24061962 Rev. 01

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-Baldwin	Report To: Brian Voelker	Attention: Brian Voelker
Address: 10901 Baldwin Road	Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp
Baldwin, IL 62217	Kim Edmiaston	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.: Kimberly.Edmiaston@vistracorp.com	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

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

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-NE-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-350R	WT	G				4	2		2								X		X		X		24061962-017
2	MW-352	WT	G				4	2		2								X		X		X		24061962-018
3	MW-355	WT	G				4	2		2												X		24061962-019
4	MW-356	WT	G				2	1		1								X		X				24061962-020
5	MW-358	WT	G				2	1		1								X	X	X	X			24061962-021
6	MW-366	WT	G				2	1		1									X		X			24061962-022
7	MW-369	WT	G				2	1		1								X		X				24061962-023
8	MW-370	WT	G				2	1		1								X		X				24061962-024
9	MW-375	WT	G				2	1		1									X		X			24061962-025
10	MW-377	WT	G				2	1		1									X		X			24061962-026
11	MW-382	WT	G				2	1		1								X		X				24061962-027
12	MW-383	WT	G	7-17-24	1115		2	1		1									X		X			24061962-028
13	MW-384	WT	G	7-17-24	1211		2	1		1									X		X			24061962-029
14	MW-390	WT	G	7-17-24	1332		2	1		1									X		X			24061962-030
15	MW-391	WT	G				2	1		1									X		X			24061962-031
16	MW-392	WT	G	7.17.24	1323		2	1		1								X		X				24061962-032

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
BAL-24Q3 Rev 0	J. Colp	7-17	1600	Paul Gotty	7/17/24	1600	

SAMPLER NAME AND SIGNATURE			
PRINT Name of SAMPLER:	Justin Colp		
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY):	7-17-24

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

CHAIN-OF-CUSTODY / Analytical Request Document

24061962

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

Page: 3 of 3

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Baldwin	Report To:	Brian Voelker	Attention:	Brian Voelker
Address:	10901 Baldwin Road	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Baldwin, IL 62217		Kim Edmiaston	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:	Kimberly.Edmiaston@vistracorp.com	Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

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

Site Location STATE: IL

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

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-NE-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-393	WT	G	7-17-24	0908		2	1		1							X		X					24061962-033
2	MW-394	WT	G	7-17-24	0954		2	1		1							X		X					24061962-034
3	OW-156	WT	G	7-17-24	0931		0															X		24061962-035
4	OW-157	WT	G	7-17-24	0955		0															X		24061962-036
5	OW-256	WT	G	7-17-24	1035		2	1		1							X		X					24061962-037
6	OW-257	WT	G	7-17-24	1406		2	1		1							X		X					24061962-038
7	PZ-170	WT	G	7-17-24	1225		2	1		1							X		X					24061962-039
8	PZ-182	WT	G	7-17-24	1138		2	1		1							X		X					24061962-040
9	TPZ-164	WT	G				2	1		1							X		X					24061962-041
10	XPW01	WT	G				2	1		1							X		X					24061962-042
11	XPW05	WT	G				2	1		1							X		X					24061962-043
12	XPW06	WT	G				2	1		1							X		X					24061962-044
13	Field Blank	WT	G				4	2		2							X	X	X	X	X	X		24061962-045
14	MW-304 Duplicate	WT	G	7-17-24	1020		4	2		2							X	X	X	X		X		24061962-046
15	Equipment Blank 1	WT	G				4	2		2							X	X	X	X	X	X		24061962-047
16																								

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
BAL-24Q3 Rev 0	J. Colp	7-17	1600	[signature]	7/17/24	1600	

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Justin Colp		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
SIGNATURE of SAMPLER:	[signature]	DATE Signed (MM/DD/YY): 7-17-24				

CHAIN-OF-CUSTODY / Analytical Request Document

24061962-601

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

Page: 1 of 3

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Baldwin	Report To:	Brian Voelker	Attention:	Brian Voelker
Address:	10901 Baldwin Road	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Baldwin, IL 62217		Kim Edmiaston	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:	Kimberly.Edmiaston@vistracorp.com	Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
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	BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-NE-605	BAL-WPCP-605							Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-104DR	WT	G				4	2		2												X							24061962-001
2	MW-104SR	WT	G				4	2		2												X							24061962-002
3	MW-150	WT	G	7-18-24	1257		4	2		2								X		X		X							24061962-003
4	MW-151	WT	G	7-18-24	1332		4	2		2								X		X		X							24061962-004
5	MW-152	WT	G	7-18-24	1046		4	2		2								X		X		X							24061962-005
6	MW-153	WT	G	7-18-24	0836		4	2		2								X		X		X							24061962-006
7	MW-154	WT	G				4	2		2												X							24061962-007
8	MW-155	WT	G				4	2		2												X							24061962-008
9	MW-192	WT	G				2	1		1								X		X									24061962-009
10	MW-193	WT	G				2	1		1								X		X									24061962-010
11	MW-195	WT	G				3	1		2													X						24061962-011
12	MW-196	WT	G				3	1		2													X						24061962-012
13	MW-197	WT	G				3	1		2													X						24061962-013
14	MW-252	WT	G	7-19-24	1118		4	2		2										X		X		X					24061962-014
15	MW-253R	WT	G	7-18-24	0924		4	2		2										X		X		X					24061962-015
16	MW-304	WT	G				4	2		2								X		X		X		X					24061962-016

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
BAL-24Q3 Rev 0		7-18	1630		7/18/24	1630

SAMPLE CONDITIONS			
	Y	N	
Temp in °C: 10.7	Received on Ice (Y/N): Y	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 7-18-24

pH 9/16/24 Added HW3(98584) to MW369

PS 7/19

CG9 Onice

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-Baldwin	Report To:	Brian Voelker	Attention:	Brian Voelker
Address:	10901 Baldwin Road	Copy To:	Sam Davies; samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Baldwin, IL 62217		Kim Edmiaston	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:	Kimberly.Edmiaston@vistracorp.com	Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
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	Requested Analysis Filtered (Y/N) Y/N	Analysis Test: BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-NE-605	BAL-WPCP-605						Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-350R	WT	G	7-18-24	1348		4	2		2								X		X		X							24061962-017
2	MW-352	WT	G	7-19-24	1201		4	2		2								X		X		X							24061962-018
3	MW-355	WT	G				4	2		2												X							24061962-019
4	MW-356	WT	G	7-18-24	955		2	1		1							X		X										24061962-020
5	MW-358	WT	G	7-18-24	1110		2	1		1							X	X	X	X									24061962-021
6	MW-366	WT	G	7-18-24	1206		2	1		1								X		X									24061962-022
7	MW-369	WT	G	7.19.24	956		2	1		1							X		X										24061962-023
8	MW-370	WT	G	7.18.24	1051		2	1		1							X		X										24061962-024
9	MW-375	WT	G	7.18.24	1323		2	1		1								X		X									24061962-025
10	MW-377	WT	G	7.18.24	1441		2	1		1								X		X									24061962-026
11	MW-382	WT	G	7.18.24	1204		2	1		1							X		X										24061962-027
12	MW-383	WT	G				2	1		1								X		X									24061962-028
13	MW-384	WT	G				2	1		1								X		X									24061962-029
14	MW-390	WT	G				2	1		1								X		X									24061962-030
15	MW-391	WT	G				2	1		1								X		X									24061962-031
16	MW-392	WT	G				2	1		1							X		X										24061962-032

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
BAL-24Q3 Rev 0		7-18	1630		7/19/24	1630	

SAMPLE CONDITIONS			
	Y	N	
Temp in °C: 10.7			
Received on Ice (Y/N)	Y		
Custody Sealed Cooler (Y/N)			
Samples Intact (Y/N)			

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Culp

SIGNATURE of SAMPLER: Justin Culp

DATE Signed (MM/DD/YY): 7-18-24

LTG 9 on ice

CHAIN-OF-CUSTODY / Analytical Request Document

24061962-601

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

Page: 3 of 3

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Baldwin	Report To: Brian Voelker	Attention: Brian Voelker
Address: 10901 Baldwin Road	Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp
Baldwin, IL 62217	Kim Edmiaston	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.: Kimberly.Edmiaston@vistracorp.com	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

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

ITEM #	SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test	BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-NE-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-393	WT	G				2	1		1							Requested Analysis Filtered (Y/N)	X		X					24061962-033
2	MW-394	WT	G				2	1		1								X		X					24061962-034
3	OW-156	WT	G				0																X		24061962-035
4	OW-157	WT	G				0																X		24061962-036
5	OW-256	WT	G				2	1		1								X		X					24061962-037
6	OW-257	WT	G				2	1		1								X		X					24061962-038
7	PZ-170	WT	G				2	1		1								X		X					24061962-039
8	PZ-182	WT	G				2	1		1								X		X					24061962-040
9	TPZ-164	WT	G				2	1		1								X		X					24061962-041
10	XPW01	WT	G				2	1		1								X		X					24061962-042
11	XPW05	WT	G				2	1		1								X		X					24061962-043
12	XPW06	WT	G				2	1		1								X		X					24061962-044
13	Field Blank	WT	G				4	2		2								X	X	X	X	X	X		24061962-045
14	MW-304 Duplicate	WT	G				4	2		2								X	X	X	X		X		24061962-046
15	Equipment Blank 1	WT	G				4	2		2								X	X	X	X	X	X		24061962-047
18	PZ 174			7-18-24	1501																				24061962-048

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
BAL-24Q3 Rev 0	Bil Go	7.18	1630	Paul Getty	7/18/24	1630

SAMPLE CONDITIONS			
	Y	N	
Temp in °C: 10.7			
Received on Ice (Y/N):	Y		
Custody Sealed Cooler (Y/N):			
Samples Intact (Y/N):			

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: JUSTIN Colp

SIGNATURE of SAMPLER: Justin Colp DATE Signed (MM/DD/YY): 7-18-24

UTG 9 on ice

Temp-15.7 LTG: 5 pH/Cl/651 TC Filter

CHAIN-OF-CUSTODY / Analytical Request Document

24061962

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

Page: 1 of 3

Section A Required Client Information:

Company:	Vistra Corp-Baldwin
Address:	10901 Baldwin Road
	Baldwin, IL 62217
Email To:	Brian.Voelker@VistraCorp.com
Phone: (217) 753-8911	Fax:
Requested Due Date/TAT:	10 day

Section B Required Project Information:

Report To:	Brian Voelker
Copy To:	Sam Davies: samantha.davies@vistracorp.com
	Kim Edmiaston
Purchase Order No.:	Kimberly.Edmiaston@vistracorp.com
Project Name:	
Project Number:	2285

Section C Invoice Information:

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

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

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

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

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-NE-605	BAL-WPCP-605							Residual Chlorine (Y/N)	Project No./ Lab I.D.
																	Requested Analysis Filtered (Y/N)													
1	MW-104DR	WT	G				4	2		2												X							24061962-001
2	MW-104SR	WT	G				4	2		2												X							24061962-002
3	MW-150	WT	G				4	2		2								X		X		X							24061962-003
4	MW-151	WT	G				4	2		2								X		X		X							24061962-004
5	MW-152	WT	G				4	2		2								X		X		X							24061962-005
6	MW-153	WT	G				4	2		2								X		X		X							24061962-006
7	MW-154	WT	G	7-19-24	1001		4	2		2												X							24061962-007
8	MW-155	WT	G				4	2		2												X							24061962-008
9	MW-192	WT	G				2	1		1							X		X										24061962-009
10	MW-193	WT	G				2	1		1							X		X										24061962-010
11	MW-195	WT	G	7-19-24	0943		3	1		2											X								24061962-011
12	MW-196	WT	G				3	1		2											X								24061962-012
13	MW-197	WT	G	7-19-24	1024		3	1		2											X								24061962-013
14	MW-252	WT	G				4	2		2								X		X		X							24061962-014
15	MW-253R	WT	G				4	2		2								X		X		X							24061962-015
16	MW-304	WT	G				4	2		2							X	X	X	X		X							24061962-016

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
BAL-24Q3 Rev 0		7-19	1220		7/19/24	1220

SAMPLE CONDITIONS

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
5.7 #5	Y	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Culp

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 7-19-24

CHAIN-OF-CUSTODY / Analytical Request Document

24061962

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

Section A Required Client Information:

Company:	Vistra Corp-Baldwin
Address:	10901 Baldwin Road
	Baldwin, IL 62217
Email To:	Brian.Voelker@VistraCorp.com
Phone: (217) 753-8911	Fax:
Requested Due Date/TAT:	10 day

Section B Required Project Information:

Report To:	Brian Voelker
Copy To:	Sam Davies: samantha.davies@vistracorp.com
	Kim Edmiaston
Purchase Order No.:	Kimberly.Edmiaston@vistracorp.com
Project Name:	
Project Number:	2285

Section C Invoice Information:

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

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

SAMPLE ID

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

Valid Matrix Codes: 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: BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-NE-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-350R	WT	G				4	2		2								X		X		X		24061962-017
2	MW-352	WT	G				4	2		2								X		X		X		24061962-018
3	MW-355	WT	G				4	2		2												X		24061962-019
4	MW-356	WT	G				2	1		1							X		X					24061962-020
5	MW-358	WT	G				2	1		1							X	X	X	X				24061962-021
6	MW-366	WT	G				2	1		1								X		X				24061962-022
7	MW-369	WT	G				2	1		1							X		X					24061962-023
8	MW-370	WT	G				2	1		1							X		X					24061962-024
9	MW-375	WT	G				2	1		1								X		X				24061962-025
10	MW-377	WT	G				2	1		1								X		X				24061962-026
11	MW-382	WT	G				2	1		1							X		X					24061962-027
12	MW-383	WT	G				2	1		1								X		X				24061962-028
13	MW-384	WT	G				2	1		1								X		X				24061962-029
14	MW-390	WT	G				2	1		1								X		X				24061962-030
15	MW-391	WT	G	7-19-24	1105		2	1		1								X		X				24061962-031
16	MW-392	WT	G				2	1		1							X		X					24061962-032

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
BAL-24Q3 Rev 0		7-19	1220		7/19/24	1120	

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

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Culp

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 7-19-24

24061962

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 3 of 3

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Baldwin	Report To: Brian Voelker	Attention: Brian Voelker
Address: 10901 Baldwin Road	Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp
Baldwin, IL 62217	Kim Edmiaston	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.: Kimberly.Edmiaston@vistracorp.com	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
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: BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-NE-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-393	WT	G				2	1		1							X		X					24061962-033
2	MW-394	WT	G				2	1		1							X		X					24061962-034
3	OW-156	WT	G				0															X		24061962-035
4	OW-157	WT	G				0															X		24061962-036
5	OW-256	WT	G				2	1		1							X		X					24061962-037
6	OW-257	WT	G				2	1		1							X		X					24061962-038
7	~~PZ-170~~ PZ-178	WT	G	7-22	1012		2	1		1							X		X					24061962-~~039~~ 052
8	~~PZ-182~~ PZ-176	WT	G	7-22	1056		2	1		1							X		X					24061962-~~040~~ 049
9	TPZ-164	WT	G	7-22	1313		2	1		1							X		X					24061962-041
10	XPW01	WT	G	7-22	1203		2	1		1							X		X					24061962-042
11	XPW05	WT	G	7-22	1242		2	1		1							X		X					24061962-043
12	XPW06	WT	G	7-22	1127		2	1		1							X		X					24061962-044
13	Field Blank	WT	G				4	2		2							X	X	X	X	X	X		24061962-045
14	MW-304 Duplicate	WT	G				4	2		2							X	X	X	X		X		24061962-046
15	Equipment Blank 1	WT	G				4	2		2							X	X	X	X	X	X		24061962-047
16	PZ-178 DUP			7-22	1012																			24061962-052

TE Vm 7/22/24

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)
BAL-24Q3 Rev 0	J. Colp	7-22	1450	Amber DeLaRosa	7/22/24	1450	17.3	Y	N	Y
							17.5	Y	N	TE Vm

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: JUSTIN COLP

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 7-22-24

Added HNO3 (98584) to PZ-178 Dup. pH ✓ 98451 Vm 7/22/24

CHAIN-OF-CUSTODY / Analytical Request Document

24061962

BAL-257-601

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

Page: 1 of 3

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Baldwin	Report To:	Brian Voelker	Attention:	Brian Voelker
Address:	10901 Baldwin Road	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Baldwin, IL 62217		Kim Edmiaston	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:	Kimberly.Edmiaston@vistracorp.com	Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

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

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Requested Analysis Filtered (Y/N) Y/N	Analysis Test: BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-NE-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-104DR	WT	G				4	2		2												X		24061962-001
2	MW-104SR	WT	G				4	2		2												X		24061962-002
3	MW-150	WT	G				4	2		2								X		X		X		24061962-003
4	MW-151	WT	G				4	2		2								X		X		X		24061962-004
5	MW-152	WT	G				4	2		2								X		X		X		24061962-005
6	MW-153	WT	G				4	2		2								X		X		X		24061962-006
7	MW-154	WT	G				4	2		2												X		24061962-007
8	MW-155	WT	G	7-23-24	1128		4	2		2												X		24061962-008
9	MW-192	WT	G				2	1		1							X		X					24061962-009
10	MW-193	WT	G				2	1		1							X		X					24061962-010
11	MW-195	WT	G				3	1		2											X			24061962-011
12	MW-196	WT	G	7-23-24	1034		3	1		2											X			24061962-012
13	MW-197	WT	G				3	1		2											X			24061962-013
14	MW-252	WT	G				4	2		2								X		X		X		24061962-014
15	MW-253R	WT	G				4	2		2								X		X		X		24061962-015
16	MW-304	WT	G				4	2		2							X	X	X	X		X		24061962-016

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
BAL-24Q3 Rev 0		7/23/24	1324		7/23/24	1324	22.3	Y	N	
							#5			

SAMPLER NAME AND SIGNATURE			Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Justin Colp					
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY): 7-23-24				

pH √ 9 request
DMO 7/23/24

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 2 of 3

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Baldwin	Report To:	Brian Voelker	Attention:	Brian Voelker
Address:	10901 Baldwin Road	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Baldwin, IL 62217		Kim Edmiaston	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:	Kimberly.Edmiaston@vistracorp.com	Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
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	Requested Analysis Filtered (Y/N) Y/N	Analysis Test: BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-NE-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-350R	WT	G				4	2		2								X		X		X		24061962-017
2	MW-352	WT	G				4	2		2								X		X		X		24061962-018
3	MW-355	WT	G	7-23-24	1153		4	2		2												X		24061962-019
4	MW-356	WT	G				2	1		1							X		X					24061962-020
5	MW-358	WT	G				2	1		1							X	X	X	X				24061962-021
6	MW-366	WT	G				2	1		1								X		X				24061962-022
7	MW-369	WT	G				2	1		1							X		X					24061962-023
8	MW-370	WT	G				2	1		1							X		X					24061962-024
9	MW-375	WT	G				2	1		1								X		X				24061962-025
10	MW-377	WT	G				2	1		1								X		X				24061962-026
11	MW-382	WT	G				2	1		1							X		X					24061962-027
12	MW-383	WT	G				2	1		1								X		X				24061962-028
13	MW-384	WT	G				2	1		1								X		X				24061962-029
14	MW-390	WT	G				2	1		1								X		X				24061962-030
15	MW-391	WT	G				2	1		1								X		X				24061962-031
16	MW-392	WT	G				2	1		1							X		X					24061962-032

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
BAL-24Q3 Rev 0		7/23/24	1324		7/23/24	1324	

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

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Cole

SIGNATURE of SAMPLER:

DATE Signed (MM/DD/YY): 7-23-24

CHAIN-OF-CUSTODY / Analytical Request Document

24061962

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

Page: 3 of 3

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Baldwin	Report To: Brian Voelker	Attention: Brian Voelker
Address: 10901 Baldwin Road	Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp
Baldwin, IL 62217	Kim Edmiaston	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.: Kimberly.Edmiaston@vistracorp.com	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

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

ITEM #	SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	Requested Analysis Filtered (Y/N): BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-NE-605	BAL-WPCP-605							Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-393	WT	G				2	1		1							X		X										24061962-033
2	MW-394	WT	G				2	1		1							X		X										24061962-034
3	OW-156	WT	G				0															X							24061962-035
4	OW-157	WT	G				0															X							24061962-036
5	OW-256	WT	G				2	1		1							X		X										24061962-037
6	OW-257	WT	G				2	1		1							X		X										24061962-038
7	PZ-170	WT	G				2	1		1							X		X										24061962-039
8	PZ-182	WT	G				2	1		1							X		X										24061962-040
9	TPZ-164	WT	G				2	1		1							X		X										24061962-041
10	XPW01	WT	G				2	1		1							X		X										24061962-042
11	XPW05	WT	G				2	1		1							X		X										24061962-043
12	XPW06	WT	G				2	1		1							X		X										24061962-044
13	Field Blank	WT	G	7-23-24	1204		4	2		2							X	X	X	X	X	X							24061962-045
14	MW-304 Duplicate	WT	G				4	2		2							X	X	X	X		X							24061962-046
15	Equipment Blank 1	WT	G	7-23-24	1211		4	2		2							X	X	X	X	X	X							24061962-047
16																													

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
BAL-24Q3 Rev 0		7/23/24	1324		7/23/24	1324				

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:		DATE Signed (MM/DD/YY): 7-23-24	Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
SIGNATURE of SAMPLER:						

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

August 26, 2024

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

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

RE: BAL-24Q3 **WorkOrder:** 24061963

Dear Eric Bauer:

TEKLAB, INC received 45 samples on 7/23/2024 1:24:00 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
Client Project: BAL-24Q3

Work Order: 24061963
Report Date: 26-Aug-24

This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	5
Accreditations	6
Laboratory Results	7
Sample Summary	50
Receiving Check List	52
Chain of Custody	Appended

Definitions

Client: Ramboll **Work Order:** 24061963

Client Project: BAL-24Q3 **Report Date:** 26-Aug-24

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

Definitions

Client: Ramboll **Work Order:** 24061963

Client Project: BAL-24Q3 **Report Date:** 26-Aug-24

Qualifiers

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

Case Narrative

Client: Ramboll
Client Project: BAL-24Q3

Work Order: 24061963
Report Date: 26-Aug-24

Cooler Receipt Temp: 19.9 °C

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

Equipment Blank 2 was not needed.

MW-152 collection time per field file. EAH 7/25/24

Ra226/228 analysis was performed by Eurofins St. Louis. See attached report for results and QC.

This report was revised on August 26, 2024 per Eric Bauer's request. The reason for the revision is to correct the collection time of MW-366 from 1204 to 1206 to align with the field data file and to omit MW-195 from the subcontractor's report. Please replace report dated August 21, 2024 with this report. EAH 8/26/24

Locations

Collinsville

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

Springfield

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

Kansas City

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

Collinsville Air

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

Chicago

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

Accreditations

Client: Ramboll **Work Order:** 24061963

Client Project: BAL-24Q3 **Report Date:** 26-Aug-24

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2025	Collinsville
Illinois	IEPA	1004652024-2	NELAP	4/30/2025	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2025	Collinsville
Louisiana	LDEQ	05002	NELAP	6/30/2025	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2025	Collinsville
Oklahoma	ODEQ	9978	NELAP	8/31/2024	Collinsville
Arkansas	ADEQ	88-0966		3/14/2025	Collinsville
Illinois	IDPH	17584		5/31/2025	Collinsville
Iowa	IDNR	430		6/1/2026	Collinsville
Kentucky	UST	0073		1/31/2025	Collinsville
Mississippi	MSDH			4/30/2025	Collinsville
Missouri	MDNR	930		1/31/2025	Collinsville
Missouri	MDNR	00930		10/31/2026	Collinsville

Laboratory Results

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

Client: Ramboll **Work Order:** 24061963

Client Project: BAL-24Q3 **Report Date:** 26-Aug-24

Lab ID: 24061963-001 **Client Sample ID:** MW-150

Matrix: GROUNDWATER **Collection Date:** 07/18/2024 12:57

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/05/2024 11:42	R352068

Laboratory Results

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

Client: Ramboll **Work Order:** 24061963

Client Project: BAL-24Q3 **Report Date:** 26-Aug-24

Lab ID: 24061963-002 **Client Sample ID:** MW-151

Matrix: GROUNDWATER **Collection Date:** 07/18/2024 13:32

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/05/2024 11:42	R352068

Laboratory Results

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

Client: Ramboll **Work Order:** 24061963

Client Project: BAL-24Q3 **Report Date:** 26-Aug-24

Lab ID: 24061963-003 **Client Sample ID:** MW-152

Matrix: GROUNDWATER **Collection Date:** 07/18/2024 10:44

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/05/2024 11:43	R352068

Laboratory Results

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

Client: Ramboll **Work Order:** 24061963

Client Project: BAL-24Q3 **Report Date:** 26-Aug-24

Lab ID: 24061963-004 **Client Sample ID:** MW-153

Matrix: GROUNDWATER **Collection Date:** 07/18/2024 8:36

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/05/2024 11:43	R352068

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24061963

Client Project: BAL-24Q3 **Report Date:** 26-Aug-24

Lab ID: 24061963-005 **Client Sample ID:** MW-192

Matrix: GROUNDWATER **Collection Date:** 07/17/2024 14:12

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/05/2024 11:43	R352068

Laboratory Results

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

Client: Ramboll **Work Order:** 24061963

Client Project: BAL-24Q3 **Report Date:** 26-Aug-24

Lab ID: 24061963-006 **Client Sample ID:** MW-193

Matrix: GROUNDWATER **Collection Date:** 07/17/2024 8:26

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/05/2024 11:43	R352068

Laboratory Results

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

Client: Ramboll **Work Order:** 24061963

Client Project: BAL-24Q3 **Report Date:** 26-Aug-24

Lab ID: 24061963-008 **Client Sample ID:** MW-196

Matrix: GROUNDWATER **Collection Date:** 07/23/2024 10:34

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/05/2024 11:43	R352068

Laboratory Results

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

Client: Ramboll **Work Order:** 24061963

Client Project: BAL-24Q3 **Report Date:** 26-Aug-24

Lab ID: 24061963-009 **Client Sample ID:** MW-197

Matrix: GROUNDWATER **Collection Date:** 07/19/2024 10:24

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/05/2024 11:43	R352068

Laboratory Results

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

Client: Ramboll **Work Order:** 24061963

Client Project: BAL-24Q3 **Report Date:** 26-Aug-24

Lab ID: 24061963-010 **Client Sample ID:** MW-252

Matrix: GROUNDWATER **Collection Date:** 07/18/2024 11:18

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/05/2024 11:44	R352068

Laboratory Results

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

Client: Ramboll **Work Order:** 24061963

Client Project: BAL-24Q3 **Report Date:** 26-Aug-24

Lab ID: 24061963-011 **Client Sample ID:** MW-253R

Matrix: GROUNDWATER **Collection Date:** 07/18/2024 9:24

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/05/2024 11:44	R352068

Laboratory Results

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

Client: Ramboll **Work Order:** 24061963

Client Project: BAL-24Q3 **Report Date:** 26-Aug-24

Lab ID: 24061963-012 **Client Sample ID:** MW-304

Matrix: GROUNDWATER **Collection Date:** 07/17/2024 10:20

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/05/2024 11:44	R352068

Laboratory Results

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

Client: Ramboll **Work Order:** 24061963

Client Project: BAL-24Q3 **Report Date:** 26-Aug-24

Lab ID: 24061963-013 **Client Sample ID:** MW-350R

Matrix: GROUNDWATER **Collection Date:** 07/18/2024 13:48

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/05/2024 11:44	R352068

Laboratory Results

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

Client: Ramboll **Work Order:** 24061963

Client Project: BAL-24Q3 **Report Date:** 26-Aug-24

Lab ID: 24061963-014 **Client Sample ID:** MW-352

Matrix: GROUNDWATER **Collection Date:** 07/18/2024 12:01

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/05/2024 12:04	R352068

Laboratory Results

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

Client: Ramboll **Work Order:** 24061963

Client Project: BAL-24Q3 **Report Date:** 26-Aug-24

Lab ID: 24061963-015 **Client Sample ID:** MW-356

Matrix: GROUNDWATER **Collection Date:** 07/18/2024 9:55

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/05/2024 12:04	R352068

Laboratory Results

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

Client: Ramboll **Work Order:** 24061963

Client Project: BAL-24Q3 **Report Date:** 26-Aug-24

Lab ID: 24061963-016 **Client Sample ID:** MW-358

Matrix: GROUNDWATER **Collection Date:** 07/18/2024 11:10

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/05/2024 12:04	R352068

Laboratory Results

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

Client: Ramboll **Work Order:** 24061963

Client Project: BAL-24Q3 **Report Date:** 26-Aug-24

Lab ID: 24061963-017 **Client Sample ID:** MW-366

Matrix: GROUNDWATER **Collection Date:** 07/18/2024 12:06

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/05/2024 12:04	R352068

Laboratory Results

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

Client: Ramboll **Work Order:** 24061963

Client Project: BAL-24Q3 **Report Date:** 26-Aug-24

Lab ID: 24061963-018 **Client Sample ID:** MW-369

Matrix: GROUNDWATER **Collection Date:** 07/18/2024 9:56

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/05/2024 12:04	R352068

Laboratory Results

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

Client: Ramboll **Work Order:** 24061963

Client Project: BAL-24Q3 **Report Date:** 26-Aug-24

Lab ID: 24061963-019 **Client Sample ID:** MW-370

Matrix: GROUNDWATER **Collection Date:** 07/18/2024 10:51

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/05/2024 11:42	R352068

Laboratory Results

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

Client: Ramboll **Work Order:** 24061963

Client Project: BAL-24Q3 **Report Date:** 26-Aug-24

Lab ID: 24061963-020 **Client Sample ID:** MW-375

Matrix: GROUNDWATER **Collection Date:** 07/18/2024 13:23

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/05/2024 11:15	R352068

Laboratory Results

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

Client: Ramboll **Work Order:** 24061963

Client Project: BAL-24Q3 **Report Date:** 26-Aug-24

Lab ID: 24061963-021 **Client Sample ID:** MW-377

Matrix: GROUNDWATER **Collection Date:** 07/18/2024 14:41

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/05/2024 11:37	R352068

Laboratory Results

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

Client: Ramboll **Work Order:** 24061963

Client Project: BAL-24Q3 **Report Date:** 26-Aug-24

Lab ID: 24061963-022 **Client Sample ID:** MW-382

Matrix: GROUNDWATER **Collection Date:** 07/18/2024 12:04

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/05/2024 11:37	R352068

Laboratory Results

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

Client: Ramboll **Work Order:** 24061963

Client Project: BAL-24Q3 **Report Date:** 26-Aug-24

Lab ID: 24061963-023 **Client Sample ID:** MW-383

Matrix: GROUNDWATER **Collection Date:** 07/17/2024 11:15

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/05/2024 11:37	R352068

Laboratory Results

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

Client: Ramboll **Work Order:** 24061963

Client Project: BAL-24Q3 **Report Date:** 26-Aug-24

Lab ID: 24061963-024 **Client Sample ID:** MW-384

Matrix: GROUNDWATER **Collection Date:** 07/17/2024 12:11

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/05/2024 11:37	R352068

Laboratory Results

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

Client: Ramboll **Work Order:** 24061963

Client Project: BAL-24Q3 **Report Date:** 26-Aug-24

Lab ID: 24061963-025 **Client Sample ID:** MW-390

Matrix: GROUNDWATER **Collection Date:** 07/17/2024 13:32

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/05/2024 11:37	R352068

Laboratory Results

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

Client: Ramboll **Work Order:** 24061963

Client Project: BAL-24Q3 **Report Date:** 26-Aug-24

Lab ID: 24061963-026 **Client Sample ID:** MW-391

Matrix: GROUNDWATER **Collection Date:** 07/19/2024 11:05

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/05/2024 11:38	R352068

Laboratory Results

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

Client: Ramboll **Work Order:** 24061963

Client Project: BAL-24Q3 **Report Date:** 26-Aug-24

Lab ID: 24061963-027 **Client Sample ID:** MW-392

Matrix: GROUNDWATER **Collection Date:** 07/17/2024 13:23

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/05/2024 11:38	R352068

Laboratory Results

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

Client: Ramboll **Work Order:** 24061963

Client Project: BAL-24Q3 **Report Date:** 26-Aug-24

Lab ID: 24061963-028 **Client Sample ID:** MW-393

Matrix: GROUNDWATER **Collection Date:** 07/17/2024 9:08

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/05/2024 11:38	R352068

Laboratory Results

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

Client: Ramboll **Work Order:** 24061963

Client Project: BAL-24Q3 **Report Date:** 26-Aug-24

Lab ID: 24061963-029 **Client Sample ID:** MW-394

Matrix: GROUNDWATER **Collection Date:** 07/17/2024 9:54

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/05/2024 11:34	R352068

Laboratory Results

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

Client: Ramboll **Work Order:** 24061963

Client Project: BAL-24Q3 **Report Date:** 26-Aug-24

Lab ID: 24061963-030 **Client Sample ID:** OW-256

Matrix: GROUNDWATER **Collection Date:** 07/17/2024 14:06

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/05/2024 11:34	R352068

Laboratory Results

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

Client: Ramboll **Work Order:** 24061963

Client Project: BAL-24Q3 **Report Date:** 26-Aug-24

Lab ID: 24061963-031 **Client Sample ID:** OW-257

Matrix: GROUNDWATER **Collection Date:** 07/17/2024 10:33

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/05/2024 11:35	R352068

Laboratory Results

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

Client: Ramboll **Work Order:** 24061963

Client Project: BAL-24Q3 **Report Date:** 26-Aug-24

Lab ID: 24061963-032 **Client Sample ID:** PZ-170

Matrix: GROUNDWATER **Collection Date:** 07/17/2024 12:25

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/05/2024 11:35	R352068

Laboratory Results

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

Client: Ramboll **Work Order:** 24061963

Client Project: BAL-24Q3 **Report Date:** 26-Aug-24

Lab ID: 24061963-033 **Client Sample ID:** PZ-182

Matrix: GROUNDWATER **Collection Date:** 07/17/2024 11:38

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/05/2024 11:35	R352068

Laboratory Results

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

Client: Ramboll **Work Order:** 24061963

Client Project: BAL-24Q3 **Report Date:** 26-Aug-24

Lab ID: 24061963-034 **Client Sample ID:** TPZ-164

Matrix: GROUNDWATER **Collection Date:** 07/22/2024 13:13

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/05/2024 11:35	R352068

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24061963

Client Project: BAL-24Q3 **Report Date:** 26-Aug-24

Lab ID: 24061963-035 **Client Sample ID:** XPW01

Matrix: GROUNDWATER **Collection Date:** 07/22/2024 12:03

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/05/2024 11:35	R352068

Laboratory Results

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

Client: Ramboll **Work Order:** 24061963

Client Project: BAL-24Q3 **Report Date:** 26-Aug-24

Lab ID: 24061963-036 **Client Sample ID:** XPW05

Matrix: GROUNDWATER **Collection Date:** 07/22/2024 12:42

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/05/2024 11:31	R352068

Laboratory Results

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

Client: Ramboll **Work Order:** 24061963

Client Project: BAL-24Q3 **Report Date:** 26-Aug-24

Lab ID: 24061963-037 **Client Sample ID:** XPW06

Matrix: GROUNDWATER **Collection Date:** 07/22/2024 11:27

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/05/2024 11:31	R352068

Laboratory Results

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

Client: Ramboll **Work Order:** 24061963

Client Project: BAL-24Q3 **Report Date:** 26-Aug-24

Lab ID: 24061963-038 **Client Sample ID:** Field Blank

Matrix: AQUEOUS **Collection Date:** 07/23/2024 12:04

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/05/2024 11:31	R352068

Laboratory Results

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

Client: Ramboll **Work Order:** 24061963

Client Project: BAL-24Q3 **Report Date:** 26-Aug-24

Lab ID: 24061963-039 **Client Sample ID:** MW-304 Duplicate

Matrix: GROUNDWATER **Collection Date:** 07/17/2024 10:20

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/05/2024 11:31	R352068

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24061963

Client Project: BAL-24Q3 **Report Date:** 26-Aug-24

Lab ID: 24061963-040 **Client Sample ID:** Equipment Blank 1

Matrix: AQUEOUS **Collection Date:** 07/23/2024 12:11

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/06/2024 12:42	R352068

Laboratory Results

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

Client: Ramboll **Work Order:** 24061963

Client Project: BAL-24Q3 **Report Date:** 26-Aug-24

Lab ID: 24061963-041 **Client Sample ID:** PZ-174

Matrix: GROUNDWATER **Collection Date:** 07/18/2024 15:01

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/06/2024 12:42	R352068

Laboratory Results

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

Client: Ramboll **Work Order:** 24061963

Client Project: BAL-24Q3 **Report Date:** 26-Aug-24

Lab ID: 24061963-042 **Client Sample ID:** PZ-176

Matrix: GROUNDWATER **Collection Date:** 07/22/2024 10:56

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/06/2024 12:43	R352068

Laboratory Results

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

Client: Ramboll **Work Order:** 24061963

Client Project: BAL-24Q3 **Report Date:** 26-Aug-24

Lab ID: 24061963-043 **Client Sample ID:** PZ-178

Matrix: GROUNDWATER **Collection Date:** 07/22/2024 10:12

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/06/2024 12:43	R352068

Laboratory Results

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

Client: Ramboll **Work Order:** 24061963

Client Project: BAL-24Q3 **Report Date:** 26-Aug-24

Lab ID: 24061963-045 **Client Sample ID:** PZ-178 Duplicate

Matrix: GROUNDWATER **Collection Date:** 07/22/2024 10:12

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/06/2024 12:43	R352068

Teklab, Inc. Environmental Laboratory

Sample Summary

Client: Ramboll
Client Project: BAL-24Q3

Work Order: 24061963
Report Date: 26-Aug-24

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
24061963-001	MW-150	Groundwater	1	07/18/2024 12:57
24061963-002	MW-151	Groundwater	1	07/18/2024 13:32
24061963-003	MW-152	Groundwater	1	07/18/2024 10:44
24061963-004	MW-153	Groundwater	1	07/18/2024 8:36
24061963-005	MW-192	Groundwater	1	07/17/2024 14:12
24061963-006	MW-193	Groundwater	1	07/17/2024 8:26
24061963-008	MW-196	Groundwater	1	07/23/2024 10:34
24061963-009	MW-197	Groundwater	1	07/19/2024 10:24
24061963-010	MW-252	Groundwater	1	07/18/2024 11:18
24061963-011	MW-253R	Groundwater	1	07/18/2024 9:24
24061963-012	MW-304	Groundwater	1	07/17/2024 10:20
24061963-013	MW-350R	Groundwater	1	07/18/2024 13:48
24061963-014	MW-352	Groundwater	1	07/18/2024 12:01
24061963-015	MW-356	Groundwater	1	07/18/2024 9:55
24061963-016	MW-358	Groundwater	1	07/18/2024 11:10
24061963-017	MW-366	Groundwater	1	07/18/2024 12:06
24061963-018	MW-369	Groundwater	1	07/18/2024 9:56
24061963-019	MW-370	Groundwater	1	07/18/2024 10:51
24061963-020	MW-375	Groundwater	1	07/18/2024 13:23
24061963-021	MW-377	Groundwater	1	07/18/2024 14:41
24061963-022	MW-382	Groundwater	1	07/18/2024 12:04
24061963-023	MW-383	Groundwater	1	07/17/2024 11:15
24061963-024	MW-384	Groundwater	1	07/17/2024 12:11
24061963-025	MW-390	Groundwater	1	07/17/2024 13:32
24061963-026	MW-391	Groundwater	1	07/19/2024 11:05
24061963-027	MW-392	Groundwater	1	07/17/2024 13:23
24061963-028	MW-393	Groundwater	1	07/17/2024 9:08
24061963-029	MW-394	Groundwater	1	07/17/2024 9:54
24061963-030	OW-256	Groundwater	1	07/17/2024 14:06
24061963-031	OW-257	Groundwater	1	07/17/2024 10:33
24061963-032	PZ-170	Groundwater	1	07/17/2024 12:25
24061963-033	PZ-182	Groundwater	1	07/17/2024 11:38
24061963-034	TPZ-164	Groundwater	1	07/22/2024 13:13
24061963-035	XPW01	Groundwater	1	07/22/2024 12:03
24061963-036	XPW05	Groundwater	1	07/22/2024 12:42
24061963-037	XPW06	Groundwater	1	07/22/2024 11:27
24061963-038	Field Blank	Aqueous	1	07/23/2024 12:04
24061963-039	MW-304 Duplicate	Groundwater	1	07/17/2024 10:20
24061963-040	Equipment Blank 1	Aqueous	1	07/23/2024 12:11

Sample Summary

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

Client: Ramboll
Client Project: BAL-24Q3

Work Order: 24061963
Report Date: 26-Aug-24

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
24061963-041	PZ-174	Groundwater	1	07/18/2024 15:01
24061963-042	PZ-176	Groundwater	1	07/22/2024 10:56
24061963-043	PZ-178	Groundwater	1	07/22/2024 10:12
24061963-044	Equipment Blank 2	Aqueous	1	
24061963-045	PZ-178 Duplicate	Groundwater	1	07/22/2024 10:12

Teklab, Inc. Environmental Laboratory

Receiving Check List

http://www.teklabinc.com/

Client: Ramboll
Work Order: 24061963
Client Project: BAL-24Q3
Report Date: 26-Aug-24

Carrier: Justin Colp
Received By: PRS

Completed by: Paul Schultz
On: 18-Jul-24

Reviewed by: Elizabeth A. Hurley
On: 23-Jul-24

Pages to follow: Chain of custody 12 Extra pages included 49

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C 19.9
Type of thermal preservation?	None ☐	Ice ☑	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Reported field parameters measured:	Field ☐	Lab ☐	NA ☑	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐		
When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.				
Water – at least one vial per sample has zero headspace?	Yes ☐	No ☐	No VOA vials ☑	
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☑	
Water - pH acceptable upon receipt?	Yes ☐	No ☑	NA ☐	
NPDES/CWA TCN interferences checked/treated in the field?	Yes ☐	No ☐	NA ☑	

Any No responses must be detailed below or on the COC.

pH strip #96651. - pschultz - 7/18/2024 8:46:24 AM

Additional Nitric Acid (98584) was needed in MW304, MW384, MW393, MW394, PZ170, and MW304 Duplicate upon arrival at the laboratory. - pschultz - 7/18/2024 8:46:27 AM

Samples were received on 7/18/2024 at 16:30 on ice [10.7C - LTG#9]. - pschultz - 7/19/2024 8:43:47 AM

pH strip #96651. - pschultz - 7/19/2024 8:44:24 AM

Samples were received on 7/19/24 at 1220 on ice [5.7C - LTG#5]. pH strip #96651. - amberdilallo - 7/19/2024 1:56:08 PM

Samples were received on 7/22/24 at 1450 on ice [17.3C - LTG5]. pH strip #96651. - amberdilallo - 7/22/2024 3:12:28 PM

Samples were received on 7/23/24 at 1324 on ice [22.3C - LTG5]. pH strip #96651. - NO/amberdilallo - 7/23/2024 2:00:21 PM

24061963

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 3

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Baldwin	Report To:	Brian Voelker	Attention:	Brian Voelker
Address:	10901 Baldwin Road	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Baldwin, IL 62217		Kim Edmiaston	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:	Kimberly.Edmiaston@vistracorp.com	Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
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	BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-NE-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Radium 226/228, only: Project No./ Lab I.D.
1	MW-104DR	WT	G	7.17.24	1207																	X		N/A
2	MW-104SR	WT	G	7.17.24	1233																	X		N/A
3	MW-150	WT	G				2			2								X		X		X		24061963-001
4	MW-151	WT	G				2			2								X		X		X		24061963-002
5	MW-152	WT	G				2			2								X		X		X		24061963-003
6	MW-153	WT	G				2			2								X		X		X		24061963-004
7	MW-154	WT	G																			X		N/A
8	MW-155	WT	G																			X		N/A
9	MW-192	WT	G	7.17.24	1412		2			2							X		X					24061963-005
10	MW-193	WT	G	7-17-24	0826		2			2							X		X					24061963-006
11	MW-195	WT	G				2			2											X			24061963-007
12	MW-196	WT	G				2			2											X			24061963-008
13	MW-197	WT	G				2			2											X			24061963-009
14	MW-252	WT	G				2			2								X		X		X		24061963-010
15	MW-253R	WT	G				2			2								X		X		X		24061963-011
16	MW-304	WT	G	7.17.24	1020		2			2							X	X	X	X		X		24061963-012

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
BAL-24Q3 Rev 0	J. Colp	7-17	1600	Paul Selby	7/17/24	1600

SAMPLE CONDITIONS

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

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: Justin Colp DATE Signed (MM/DD/YY): 7-17-24

PN 94651

Added HNO_3 (18584) to MW304, MW384, MW393, MW394, PZ170, MW304 dup

BAL-257-601

CHAIN-OF-CUSTODY / Analytical Request Document

24061963

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-Baldwin	Report To:	Brian Voelker	Attention:	Brian Voelker
Address:	10901 Baldwin Road	Copy To:	Sam Davies; samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Baldwin, IL 62217		Kim Edmiaston	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:	Kimberly.Edmiaston@vistracorp.com	Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
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: BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-NE-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Radium 226/228, only: Project No./ Lab I.D.
1	MW-350R	WT	G				2			2								X		X		X		24061963-013
2	MW-352	WT	G				2			2								X		X		X		24061963-014
3	MW-355	WT	G																			X		N/A
4	MW-356	WT	G				2			2							X		X					24061963-015
5	MW-358	WT	G				2			2							X	X	X	X				24061963-016
6	MW-366	WT	G				2			2								X		X				24061963-017
7	MW-369	WT	G				2			2							X		X					24061963-018
8	MW-370	WT	G				2			2							X		X					24061963-019
9	MW-375	WT	G				2			2								X		X				24061963-020
10	MW-377	WT	G				2			2								X		X				24061963-021
11	MW-382	WT	G				2			2							X		X					24061963-022
12	MW-383	WT	G	7-17-24	1115		2			2								X		X				24061963-023
13	MW-384	WT	G	7-17-24	1211		2			2								X		X				24061963-024
14	MW-390	WT	G	7-17-24	1332		2			2								X		X				24061963-025
15	MW-391	WT	G				2			2								X		X				24061963-026
16	MW-392	WT	G	7.17.24	1323		2			2							X		X					24061963-027

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

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
BAL-24Q3 Rev 0	J. Colp	7-17	1600	Paul Bailey	7/17/24	1600				
							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: Justin Colp

DATE Signed (MM/DD/YY): 7-17-24

CHAIN-OF-CUSTODY / Analytical Request Document

24061963

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

Page: 3 of 3

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Baldwin	Report To: Brian Voelker	Attention: Brian Voelker
Address: 10901 Baldwin Road	Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp
Baldwin, IL 62217	Kim Edmiaston	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.: Kimberly.Edmiaston@vistracorp.com	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Requested Analysis Filtered (Y/N)

Section D Required Client Information

Valid Matrix Codes

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

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

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-NE-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Radium 226/228, only: Project No./ Lab I.D.
1	MW-393	WT	G	7-17-24	0908		2			2							X		X					24061963-~~02~~ 028
2	MW-394	WT	G	7-17-24	0954		2			2							X		X					24061963-~~26~~ 029
3	OW-156	WT	G	7-17-24	931																	X		N/A
4	OW-157	WT	G	7-17-24	955																	X		N/A
5	OW-256	WT	G	7-17-24	1406		2			2							X		X					24061963-~~30~~ 030
6	OW-257	WT	G	7-17-24	1033		2			2							X		X					24061963-~~31~~ 031
7	PZ-170	WT	G	7-17-24	1225		2			2							X		X					24061963-~~32~~ 022
8	PZ-182	WT	G	7-17-24	1138		2			2							X		X					24061963-~~33~~ 023
9	TPZ-164	WT	G				2			2							X		X					24061963-~~34~~ 024
10	XPW01	WT	G				2			2							X		X					24061963-~~35~~ 025
11	XPW05	WT	G				2			2							X		X					24061963-~~36~~ 026
12	XPW06	WT	G				2			2							X		X					24061963-~~37~~ 027
13	Field Blank	WT	G				2			2							X	X	X	X	X	X		24061963-~~38~~ 028
14	MW-304 Duplicate	WT	G	7.17.24	1020		2			2							X	X	X	X		X		24061963-~~39~~ 029
15	Equipment Blank 1	WT	G				2			2							X	X	X	X	X	X		24061963-~~40~~ 040
16																								

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Y	N	
BAL-24Q3 Rev 0	J. Colp	7-17	1600	Paul Gatley	7/17/24	1600				
							Received on ice (Y/N)			
							Custody Sealed Cooler (Y/N)			
							Samples Intact (Y/N)			

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: Justin Colp DATE Signed (MM/DD/YY): 7-17-24

CHAIN-OF-CUSTODY / Analytical Request Document

24061963

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

Page: 1 of 3

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Baldwin	Report To: Brian Voelker	Attention: Brian Voelker
Address: 10901 Baldwin Road	Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp
Baldwin, IL 62217	Kim Edmiaston	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.: Kimberly.Edmiaston@vistracorp.com	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

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

Valid Matrix Codes

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-NE-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Radium 226/228, only: Project No./ Lab I.D.
1	MW-104DR	WT	G																			X		N/A
2	MW-104SR	WT	G																			X		N/A
3	MW-150	WT	G	7-18-24	1257		2			2								X		X		X		24061963-001
4	MW-151	WT	G	7-18-24	1532		2			2								X		X		X		24061963-002
5	MW-152	WT	G	7-17-24	1046		2			2								X		X		X		24061963-003
6	MW-153	WT	G	7-18-24	0836		2			2								X		X		X		24061963-004
7	MW-154	WT	G																			X		N/A
8	MW-155	WT	G																			X		N/A
9	MW-192	WT	G				2			2							X		X					24061963-005
10	MW-193	WT	G				2			2							X		X					24061963-006
11	MW-195	WT	G				2			2											X			24061963-007
12	MW-196	WT	G				2			2											X			24061963-008
13	MW-197	WT	G				2			2											X			24061963-009
14	MW-252	WT	G	7-18-24	1118		2			2								X		X		X		24061963-010
15	MW-253R	WT	G	7-18-24	0924		2			2								X		X		X		24061963-011
16	MW-304	WT	G				2			2							X	X	X	X		X		24061963-012

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
BAL-24Q3 Rev 0		7-18	1630		7/18	1630

SAMPLE CONDITIONS

Temp in °C	Y	N	
10.7	Y		

Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 7-18-24

FAX 9/6/51
PS 7/19

LTG 9 on ice

CHAIN-OF-CUSTODY / Analytical Request Document

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

24061963

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Baldwin	Report To:	Brian Voelker	Attention:	Brian Voelker
Address:	10901 Baldwin Road	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Baldwin, IL 62217		Kim Edmiaston	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:	Kimberly.Edmiaston@vistracorp.com	Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
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: BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-NE-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Radium 226/228, only: Project No./ Lab I.D.
1	MW-350R	WT	G	7-18-24	1348		2			2								X		X		X		24061963-013
2	MW-352	WT	G	7-18-24	1201		2			2								X		X		X		24061963-014
3	MW-355	WT	G																			X		N/A
4	MW-356	WT	G	7-18-24	955		2			2							X		X					24061963-015
5	MW-358	WT	G	7-18-24	1110		2			2							X	X	X	X				24061963-016
6	MW-366	WT	G	7-18-24	1204		2			2								X		X				24061963-017
7	MW-369	WT	G	7.18.24	956		2			2							X		X					24061963-018
8	MW-370	WT	G	7.18.24	1051		2			2							X		X					24061963-019
9	MW-375	WT	G	7.18.24	1323		2			2								X		X				24061963-020
10	MW-377	WT	G	7.18.24	1441		2			2								X		X				24061963-021
11	MW-382	WT	G	7.18.24	1204		2			2							X		X					24061963-022
12	MW-383	WT	G				2			2								X		X				24061963-023
13	MW-384	WT	G				2			2								X		X				24061963-024
14	MW-390	WT	G				2			2								X		X				24061963-025
15	MW-391	WT	G				2			2								X		X				24061963-026
16	MW-392	WT	G				2			2							X		X					24061963-027

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
BAL-24Q3 Rev 0		7-18	1630		7/18	1630				
							10.7	Y		

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: JUSTIN GOLP

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 7-18-24

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

LTG 9 on ice

CHAIN-OF-CUSTODY / Analytical Request Document

24061963

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-Baldwin	Report To: Brian Voelker	Attention: Brian Voelker
Address: 10901 Baldwin Road	Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp
Baldwin, IL 62217	Kim Edmiaston	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.: Kimberly.Edmiaston@vistracorp.com	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY: NPDES | GROUND WATER | DRINKING WATER | UST | RCRA | OTHER

Site Location STATE: IL

Section D Required Client Information

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

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-NE-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Radium 226/228, only: Project No./ Lab I.D.
1	MW-393	WT	G				2			2							X		X					24061963-027
2	MW-394	WT	G				2			2							X		X					24061963-28
3	OW-156	WT	G																			X		N/A
4	OW-157	WT	G																			X		N/A
5	OW-256	WT	G				2			2							X		X					24061963-30
6	OW-257	WT	G				2			2							X		X					24061963-31
7	PZ-170	WT	G				2			2							X		X					24061963-32
8	PZ-182	WT	G				2			2							X		X					24061963-33
9	TPZ-164	WT	G				2			2							X		X					24061963-34
10	XPW01	WT	G				2			2							X		X					24061963-35
11	XPW05	WT	G				2			2							X		X					24061963-36
12	XPW06	WT	G				2			2							X		X					24061963-37
13	Field Blank	WT	G				2			2							X	X	X	X	X	X		24061963-38
14	MW-304 Duplicate	WT	G				2			2							X	X	X	X		X		24061963-39
15	Equipment Blank 1	WT	G				2			2							X	X	X	X	X	X		24061963-40
16	PZ 174			7-19-24	1501																			24061963-041

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
BAL-24Q3 Rev 0		7-18	1625		7/18	1630

SAMPLE CONDITIONS

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

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Cole

SIGNATURE of SAMPLER: Justin Cole

DATE Signed (MM/DD/YY): 7-18-24

EQH 7/19/24

UG 9 on ice

Temps 5, 7 TR
LTC#5 7/19/24
ph/94451

CHAIN-OF-CUSTODY / Analytical Request Document

24061963

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

Page: 1 of 3

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Baldwin	Report To: Brian Voelker	Attention: Brian Voelker
Address: 10901 Baldwin Road	Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp
Baldwin, IL 62217	Kim Edmiaston	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.: Kimberly.Edmiaston@vistracorp.com	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
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	BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-NE-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Radium 226/228, only Project No./ Lab I.D.
1	MW-104DR	WT	G																		X			N/A
2	MW-104SR	WT	G																		X			N/A
3	MW-150	WT	G				2			2								X		X		X			24061963-001
4	MW-151	WT	G				2			2								X		X		X			24061963-002
5	MW-152	WT	G				2			2								X		X		X			24061963-003
6	MW-153	WT	G				2			2								X		X		X			24061963-004
7	MW-154	WT	G	7-19-24	1001																	X			N/A
8	MW-155	WT	G																			X			N/A
9	MW-192	WT	G				2			2							X		X						24061963-005
10	MW-193	WT	G				2			2							X		X						24061963-006
11	MW-195	WT	G	7-19-24	0943		2			2											X				24061963-007
12	MW-196	WT	G				2			2											X				24061963-008
13	MW-197	WT	G	7-19-24	1024		2			2											X				24061963-009
14	MW-252	WT	G				2			2								X		X		X			24061963-010
15	MW-253R	WT	G				2			2								X		X		X			24061963-011
16	MW-304	WT	G				2			2							X	X	X	X		X			24061963-012

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
BAL-24Q3 Rev 0	Bit SO	7-18	1220	[signature]	7/19/24	1120	57
							#5

SAMPLER NAME AND SIGNATURE			
PRINT Name of SAMPLER:	Justin Cole		
SIGNATURE of SAMPLER:	[signature]	DATE Signed (MM/DD/YY):	7-19-24

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

24061963

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-Baldwin
Address:	10901 Baldwin Road
	Baldwin, IL 62217
Email To:	Brian.Voelker@VistraCorp.com
Phone: (217) 753-8911	Fax:
Requested Due Date/TAT:	10 day

Section B Required Project Information:

Report To:	Brian Voelker
Copy To:	Sam Davies: samantha.davies@vistracorp.com
	Kim Edmiaston
Purchase Order No.:	Kimberly.Edmiaston@vistracorp.com
Project Name:	
Project Number:	2285

Section C Invoice Information:

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

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

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

Valid Matrix Codes

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-NE-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Radium 226/228, only: Project No./ Lab I.D.
1	MW-350R	WT	G				2			2								X		X		X		24061963-013
2	MW-352	WT	G				2			2								X		X		X		24061963-014
3	MW-355	WT	G																			X		N/A
4	MW-356	WT	G				2			2							X		X					24061963-015
5	MW-358	WT	G				2			2							X	X	X	X				24061963-016
6	MW-366	WT	G				2			2								X		X				24061963-017
7	MW-369	WT	G				2			2							X		X					24061963-018
8	MW-370	WT	G				2			2							X		X					24061963-019
9	MW-375	WT	G				2			2								X		X				24061963-020
10	MW-377	WT	G				2			2								X		X				24061963-021
11	MW-382	WT	G				2			2							X		X					24061963-022
12	MW-383	WT	G				2			2								X		X				24061963-023
13	MW-384	WT	G				2			2								X		X				24061963-024
14	MW-390	WT	G				2			2								X		X				24061963-025
15	MW-391	WT	G	7-19-24	1105		2			2								X		X				24061963-026
16	MW-392	WT	G				2			2							X		X					24061963-027

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
BAL-24Q3 Rev 0		7-19	1220		7/19/24	1220

SAMPLE CONDITIONS

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

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Cole

SIGNATURE of SAMPLER: [signature]

DATE Signed (MM/DD/YY): 7-19-24

24061963

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 3 of 3

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Baldwin	Report To: Brian Voelker	Attention: Brian Voelker
Address: 10901 Baldwin Road	Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp
Baldwin, IL 62217	Kim Edmiaston	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.: Kimberly.Edmiaston@vistracorp.com	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
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	BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-NE-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Radium 226/228, only: Project No./ Lab I.D.
1	MW-393	WT	G				2			2							X		X					24061963-027
2	MW-394	WT	G				2			2							X		X					24061963-28
3	OW-156	WT	G																			X		N/A
4	OW-157	WT	G																			X		N/A
5	OW-256	WT	G				2			2							X		X					24061963-30
6	OW-257	WT	G				2			2							X		X					24061963-31
7	~~PZ-170~~ PZ-176	WT	G	7-22	1012		2			2							X		X					24061963-~~32~~ 043
8	~~PZ-182~~ PZ-176	WT	G	7-22	1056		2			2							X		X					24061963-~~33~~ 042
9	TPZ-164	WT	G	7-22	1313		2			2							X		X					24061963-34
10	XPW01	WT	G	7-22	1203		2			2							X		X					24061963-35
11	XPW05	WT	G	7-22	1242		2			2							X		X					24061963-36
12	XPW06	WT	G	7-22	1127		2			2							X		X					24061963-37
13	Field Blank	WT	G				2			2							X	X	X	X	X	X		24061963-38
14	MW-304 Duplicate	WT	G				2			2							X	X	X	X		X		24061963-39
15	Equipment Blank 1	WT	G				2			2							X	X	X	X	X	X		24061963-40
16	PZ-178 DUP			7-22	1012																			24061963-45

Requested Analysis Filtered (Y/N)

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
BAL-24Q3 Rev 0	J. Colp	7-22	1450	Umber DeCarlo	7/22/24	1450

SAMPLE CONDITIONS			
Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
17.3	Y	N	Y
1005	Y	N	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: Justin Colp DATE Signed (MM/DD/YY): 7-22-24

pH ✓ 906651 Um 7/22/24

CHAIN-OF-CUSTODY / Analytical Request Document

24061963

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

Page: 1 of 3

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Baldwin	Report To:	Brian Voelker	Attention:	Brian Voelker
Address:	10901 Baldwin Road	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Baldwin, IL 62217		Kim Edmiaston	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:	Kimberly.Edmiaston@vistracorp.com	Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
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)

Radium 226/228, only

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: BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-NE-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-104DR	WT	G																		X			N/A
2	MW-104SR	WT	G																		X			N/A
3	MW-150	WT	G				2			2								X		X		X			24061963-001
4	MW-151	WT	G				2			2								X		X		X			24061963-002
5	MW-152	WT	G				2			2								X		X		X			24061963-003
6	MW-153	WT	G				2			2								X		X		X			24061963-004
7	MW-154	WT	G																			X			N/A
8	MW-155	WT	G	7-23-24	1128																	X			N/A
9	MW-192	WT	G				2			2							X		X						24061963-005
10	MW-193	WT	G				2			2							X		X						24061963-006
11	MW-195	WT	G				2			2											X				24061963-007
12	MW-196	WT	G	7-23-24	1034		2			2											X				24061963-008
13	MW-197	WT	G				2			2											X				24061963-009
14	MW-252	WT	G				2			2								X		X		X			24061963-010
15	MW-253R	WT	G				2			2								X		X		X			24061963-011
16	MW-304	WT	G				2			2							X	X	X	X		X			24061963-012

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
BAL-24Q3 Rev 0		7/23/24	1324		7/23/24	1524				

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Cole

SIGNATURE of SAMPLER: Justin Cole DATE Signed (MM/DD/YY): 7-23-24

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

=22.3 1195

PhV96051 NO 7/23

CHAIN-OF-CUSTODY / Analytical Request Document

24061963

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

Page: 2 of 3

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Baldwin	Report To: Brian Voelker	Attention: Brian Voelker
Address: 10901 Baldwin Road	Copy To: Sam Davies; samantha.davies@vistracorp.com	Company Name: Vistra Corp
Baldwin, IL 62217	Kim Edmiaston	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.: Kimberly.Edmiaston@vistracorp.com	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
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	BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-NE-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Radium 226/228, only: Project No./ Lab I.D.
1	MW-350R	WT	G				2			2								X		X		X		24061963-013
2	MW-352	WT	G				2			2								X		X		X		24061963-014
3	MW-355	WT	G	7-23-24	1153																	X		N/A
4	MW-356	WT	G				2			2							X		X					24061963-015
5	MW-358	WT	G				2			2							X	X	X	X				24061963-016
6	MW-366	WT	G				2			2								X		X				24061963-017
7	MW-369	WT	G				2			2							X		X					24061963-018
8	MW-370	WT	G				2			2							X		X					24061963-019
9	MW-375	WT	G				2			2								X		X				24061963-020
10	MW-377	WT	G				2			2								X		X				24061963-021
11	MW-382	WT	G				2			2							X		X					24061963-022
12	MW-383	WT	G				2			2								X		X				24061963-023
13	MW-384	WT	G				2			2								X		X				24061963-024
14	MW-390	WT	G				2			2								X		X				24061963-025
15	MW-391	WT	G				2			2								X		X				24061963-026
16	MW-392	WT	G				2			2							X		X					24061963-027

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
BAL-24Q3 Rev 0		7/23/24	1324		7/23/24	1324	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Calf

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 7-23-24

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

CHAIN-OF-CUSTODY / Analytical Request Document

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-Baldwin	Report To: Brian Voelker	Attention: Brian Voelker
Address: 10901 Baldwin Road	Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp
Baldwin, IL 62217	Kim Edmiaston	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.: Kimberly.Edmiaston@vistracorp.com	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
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	BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-NE-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-393	WT	G				2			2							X		X					24061963-027
2	MW-394	WT	G				2			2							X		X					24061963-28
3	OW-156	WT	G																			X		N/A
4	OW-157	WT	G																			X		N/A
5	OW-256	WT	G				2			2							X		X					24061963-30
6	OW-257	WT	G				2			2							X		X					24061963-31
7	PZ-170	WT	G				2			2							X		X					24061963-32
8	PZ-182	WT	G				2			2							X		X					24061963-33
9	TPZ-164	WT	G				2			2							X		X					24061963-34
10	XPW01	WT	G				2			2							X		X					24061963-35
11	XPW05	WT	G				2			2							X		X					24061963-36
12	XPW06	WT	G				2			2							X		X					24061963-37
13	Field Blank	WT	G	7-23-24	1704		2			2							X	X	X	X	X	X		24061963-38
14	MW-304 Duplicate	WT	G				2			2							X	X	X	X		X		24061963-39
15	Equipment Blank 1	WT	G	7-23-24	1211		2			2							X	X	X	X	X	X		24061963-40
16																								

Requested Analysis Filtered (Y/N)

Radium 226/228, only

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
BAL-24Q3 Rev 0		7/23/24	1324		7/23/24	1324

SAMPLE CONDITIONS

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

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colf

SIGNATURE of SAMPLER: Justin Colf

DATE Signed (MM/DD/YY): 7-23-24

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 8/26/2024 2:19:06 PM Revision 1

JOB DESCRIPTION

Radium-226 and Radium-228
24061963

JOB NUMBER

160-54800-1

Eurofins St. Louis
13715 Rider Trail North
Earth City MO 63045

See page two for job notes and contact information.

myEOL

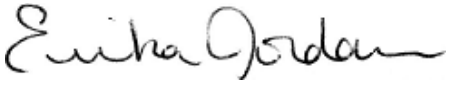
Eurofins St. Louis

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins TestAmerica Project Manager.

Authorization



Generated
8/26/2024 2:19:06 PM
Revision 1

Authorized for release by
Erika Jordan, Project Manager
erika.jordan@et.eurofinsus.com
(314)298-8566

Table of Contents

Cover Page 1
Table of Contents 3
Case Narrative 4
Chain of Custody 6
Receipt Checklists 14
Definitions/Glossary 15
Method Summary 16
Sample Summary 17
Client Sample Results 18
QC Sample Results 40
QC Association Summary 44
Tracer Carrier Summary 47

CASE NARRATIVE

Client: TekLab, Inc

Project: 24061963

Report Number: 160-54800-1 Revision 1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition, all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method.

Eurofins Environment Testing attests to the validity of the laboratory data generated by Eurofins facilities reported herein. All analyses performed by Eurofins Environment Testing facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. Eurofins Environment Testing's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

Calculations are performed before rounding to avoid round-off errors in calculated results.

Proper preservation was noted for the methods performed on these samples, unless otherwise detailed below.

All solid sample results for Chemistry analyses are reported on an ""as received"" basis unless otherwise indicated by the presence of a % solids value in the method header. All soil/sediment sample results for radiochemistry analyses are based upon sample as dried and disaggregated with the exception of tritium, carbon-14, and iodine-129 by gamma spectroscopy unless requested as wet weight by the client."

Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative.

Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date.

The matrix for the Method Blank and LCS/LCSD is as close to the samples as can be reasonably achieved. Detailed information can be found in the most current revision of the associated SOP.

The method blank (MB) z-score is within limits, unless stated otherwise below.

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.

Reference the chain of custody and receipt report for any variations on receipt conditions.

This laboratory report is confidential and is intended for the sole use of Eurofins TestAmerica and its client.

Revision
The report being provided is a revision of the original report sent on 8/20/2024. The report (revision 1) is being revised in order to correct a collection time for sample 24061963-017 that was inaccurate on the original chain-of-custody (COC). Additionally, sample 24061963-007 was removed from the original report as requested. The email request is included with the revised report.

Receipt
The samples were received on 7/24/2024 12:45 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved. The temperatures of the 4 coolers at receipt time were 21.6°C, 21.7°C, 21.9°C and 22.4°C.

There was a transcription error from the field to the Chain-of-Custody (CoC). 24061963-003 should be reported as collected at 1044, rather than 1046. The email will be included in the final report for documentation.

Method 903.0 - Radium-226 (GFPC)
Samples 24061963-001 (160-54800-1), 24061963-002 (160-54800-2), 24061963-003 (160-54800-3), 24061963-004 (160-54800-4), 24061963-005 (160-54800-5), 24061963-006 (160-54800-6), 24061963-008 (160-54800-8), 24061963-009 (160-54800-9), 24061963-010 (160-54800-10), 24061963-011 (160-54800-11), 24061963-012 (160-54800-12), 24061963-013 (160-54800-13), 24061963-014 (160-54800-14), 24061963-015 (160-54800-15), 24061963-016 (160-54800-16), 24061963-017 (160-54800-17), 24061963-018 (160-54800-18), 24061963-019 (160-54800-19), 24061963-020 (160-54800-20), 24061963-021 (160-54800-21), 24061963-022 (160-54800-22), 24061963-023 (160-54800-23), 24061963-024 (160-54800-24), 24061963-025 (160-54800-25), 24061963-026 (160-54800-26), 24061963-027 (160-54800-27), 24061963-028 (160-54800-28), 24061963-029 (160-54800-29), 24061963-030 (160-54800-30), 24061963-031 (160-54800-31), 24061963-032 (160-54800-32), 24061963-033 (160-54800-33), 24061963-034 (160-54800-34), 24061963-035 (160-54800-35), 24061963-036 (160-54800-36), 24061963-037 (160-54800-37), 24061963-038 (160-54800-38), 24061963-039 (160-54800-39), 24061963-040 (160-54800-40), 24061963-041 (160-54800-41), 24061963-042 (160-54800-42), 24061963-043 (160-54800-43) and 24061963-045 (160-54800-44) were analyzed for Radium-226 (GFPC). The samples were prepared on 7/25/2024 and 7/26/2024 and analyzed on 8/16/2024 and 8/19/2024.

No analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Method 904.0 - Radium-228 (GFPC)
Samples 24061963-001 (160-54800-1), 24061963-002 (160-54800-2), 24061963-003 (160-54800-3), 24061963-004 (160-54800-4), 24061963-005 (160-54800-5), 24061963-006 (160-54800-6), 24061963-008 (160-54800-8), 24061963-009 (160-54800-9), 24061963-010 (160-54800-10), 24061963-011 (160-54800-11), 24061963-012 (160-54800-12), 24061963-013 (160-54800-13), 24061963-014 (160-54800-14), 24061963-015 (160-54800-15), 24061963-016 (160-54800-16), 24061963-017 (160-54800-17), 24061963-018 (160-54800-18), 24061963-019 (160-54800-19), 24061963-020 (160-54800-20), 24061963-021 (160-54800-21), 24061963-022 (160-54800-22), 24061963-023 (160-54800-23), 24061963-024 (160-54800-24), 24061963-025 (160-54800-25), 24061963-026 (160-54800-26), 24061963-027 (160-54800-27), 24061963-028 (160-54800-28), 24061963-029 (160-54800-29), 24061963-030 (160-54800-30), 24061963-031 (160-54800-31), 24061963-032 (160-54800-32), 24061963-033 (160-54800-33), 24061963-034 (160-54800-34), 24061963-035 (160-54800-35), 24061963-036 (160-54800-36), 24061963-037 (160-54800-37), 24061963-038 (160-54800-38), 24061963-039 (160-54800-39), 24061963-040 (160-54800-40), 24061963-041 (160-54800-41), 24061963-042 (160-54800-42), 24061963-043 (160-54800-43) and 24061963-045 (160-54800-44) were analyzed for Radium-228 (GFPC). The samples were prepared on 7/25/2024 and 7/26/2024 and analyzed on 8/5/2024 and 8/6/2024.

The detection goal was not met for the following sample due to the reduced sample volume attributed to the presence of matrix interferences: 24061963-004 (160-54800-4) . Analytical results are reported with the detection limit achieved.

The detection goal was not met for the following samples due to the reduced sample volume attributed to the presence of matrix interferences: 24061963-022 (160-54800-22) and 24061963-033 (160-54800-33) . Analytical results are reported with the detection limit achieved.

The Radium-228 laboratory control sample(LCS) recovery associated with the following sample(s) is outside the upper QC limit, indicating a potential positive bias for that analyte. This analyte was not observed above the MDC/RL in the associated samples; therefore the sample data is not adversely affected by this excursion. The data have been reported with this narrative. 24061963-040 (160-54800-40), 24061963-041 (160-54800-41), 24061963-042 (160-54800-42), 24061963-043 (160-54800-43) and 24061963-045 (160-54800-44)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Method Ra226_Ra228 Pos - Combined Radium-226 and Radium-228
Samples 24061963-001 (160-54800-1), 24061963-002 (160-54800-2), 24061963-003 (160-54800-3), 24061963-004 (160-54800-4), 24061963-005 (160-54800-5), 24061963-006 (160-54800-6), 24061963-008 (160-54800-8), 24061963-009 (160-54800-9), 24061963-010 (160-54800-10), 24061963-011 (160-54800-11), 24061963-012 (160-54800-12), 24061963-013 (160-54800-13), 24061963-014 (160-54800-14), 24061963-015 (160-54800-15), 24061963-016 (160-54800-16), 24061963-017 (160-54800-17), 24061963-018 (160-54800-18), 24061963-019 (160-54800-19), 24061963-020 (160-54800-20), 24061963-021 (160-54800-21), 24061963-022 (160-54800-22), 24061963-023 (160-54800-23), 24061963-024 (160-54800-24), 24061963-025 (160-54800-25), 24061963-026 (160-54800-26), 24061963-027 (160-54800-27), 24061963-028 (160-54800-28), 24061963-029 (160-54800-29), 24061963-030 (160-54800-30), 24061963-031 (160-54800-31), 24061963-032 (160-54800-32), 24061963-033 (160-54800-33), 24061963-034 (160-54800-34), 24061963-035 (160-54800-35), 24061963-036 (160-54800-36), 24061963-037 (160-54800-37), 24061963-038 (160-54800-38), 24061963-039 (160-54800-39), 24061963-040 (160-54800-40), 24061963-041 (160-54800-41), 24061963-042 (160-54800-42), 24061963-043 (160-54800-43) and 24061963-045 (160-54800-44) were analyzed for Combined Radium-226 and Radium-228. The samples were analyzed on 8/20/2024.

No analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Erika Jordan

From: Elizabeth A. Hurley <EHurley@TekLabInc.com>
Sent: Thursday, July 25, 2024 2:51 PM
To: Erika Jordan
Subject: RE: Eurofins TestAmerica sample confirmation files from 160-54800-1 Radium-226 and Radium-228

Unverified Sender: The sender of this email has not been verified. Review the content of the message carefully and verify the identity of the sender before acting on this email: replying, opening attachments or clicking links.

Hi, Erika,

There was a transcription error from the field to the CoC. 24061963-003 should be reported as collected at 1044 rather than 1046. Please update the time prior to final reporting.

Thanks for your help.

Have a great day!

Elizabeth Hurley
Director of Customer Service

Teklab, Inc.
5445 Horseshoe Lake Road
Collinsville, IL 62234
Phone: (618) 344-1004 Ext. 33
Cell: (618) 791-8119
Fax: (618) 344-1005
E-mail: ehurley@teklabinc.com
www.teklabinc.com

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

From: Erika Jordan <TALS@reports.et.eurofinsus.com>
Sent: Wednesday, July 24, 2024 3:31 PM
To: Elizabeth A. Hurley <EHurley@TekLabInc.com>
Subject: Eurofins TestAmerica sample confirmation files from 160-54800-1 Radium-226 and Radium-228

Good afternoon!

Attached please find the sample confirmation files for job 160-54800-1; Radium-226 and Radium-228

The samples were received on 7/24/2024 12:45 PM.

Please review the attachments for accuracy and notify your Project Manager of any discrepancies as quickly as possible.

Any discrepancies not communicated in a timely fashion could result in missed holding times, TAT delays and may potentially incur additional charges.

Please feel free to contact me if you have any questions.

Thank you.

Erika Jordan
Project Manager

Eurofins St. Louis

E-mail: erika.jordan@et.eurofinsus.com
www.eurofinsus.com/env

Reference: [160-300574]
Attachments: 1

> > Bank information has changed, please refer to remittance information on invoice. < <

TEKLAB, INC. Chain of Custody

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

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

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: Sampler: Teklab, Inc. QC Level: 2

Comments: **Please Issue reports and invoices via email only**
Please analyze for Radium 226/228 per methods specified for Vistra/Ramboll projects.
Method changes require Teklab authorization. Samples collected from an IL site.
Batch QC is required for all analyses requested. Vistra-EDD requested.

Project# 24061963

Contact: Elizabeth Hurley Email: EHurley@TekLabInc.com
Requested Due Date: Standard TAT Billing/PO: 36676
Phone: (618) 344-1004 ext. 33

PLEASE NOTE:

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

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228
	24061963-001	7/18/24 1257	HNO3	Groundwater	✔	✔	✔
	24061963-002	7/18/24 1332	HNO3	Groundwater	✔	✔	✔
	24061963-003	7/18/24 1046	HNO3	Groundwater	✔	✔	✔
	24061963-004	7/18/24 0836	HNO3	Groundwater	✔	✔	✔
	24061963-005	7/17/24 1412	HNO3	Groundwater	✔	✔	✔
	24061963-006	7/17/24 0826	HNO3	Groundwater	✔	✔	✔
	24061963-007	7/19/24 0943	HNO3	Groundwater	✔	✔	✔
	24061963-008	7/23/24 1034	HNO3	Groundwater	✔	✔	✔
	24061963-009	7/19/24 1024	HNO3	Groundwater	✔	✔	✔
	24061963-010	7/18/24 1118	HNO3	Groundwater	✔	✔	✔
	24061963-011	7/18/24 0924	HNO3	Groundwater	✔	✔	✔

160-54800 Chain of Custody

*Relinquished By	Date/Time	Received By	Date/Time
	7/24/24 1130		7/24/24 1130
	7/24/24 1245		7/24/24 1245

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

SubCocRevA 3/2/2016

TEKLAB, INC. Chain of Custody

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

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

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: Sampler: Teklab, Inc. QC Level: 2

Project# 24061963

Comments:
Please Issue reports and invoices via email only
Please analyze for Radium 226/228 per methods specified for Vistra/Ramboll projects.
Method changes require Teklab authorization. Samples collected from an IL site.
Batch QC is required for all analyses requested. Vistra-EDD requested.

Contact: Elizabeth Hurley Email: EHurley@TekLabInc.com
Requested Due Date: Standard TAT Billing/PO: 36676
Phone: (618) 344-1004 ext. 33

PLEASE NOTE:

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

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228									
	24061963-012	7/17/24 1020	HNO3	Groundwater	✔	✔	✔									
	24061963-013	7/18/24 1348	HNO3	Groundwater	✔	✔	✔									
	24061963-014	7/18/24 1201	HNO3	Groundwater	✔	✔	✔									
	24061963-015	7/18/24 0955	HNO3	Groundwater	✔	✔	✔									
	24061963-016	7/18/24 1110	HNO3	Groundwater	✔	✔	✔									
	24061963-017	7/18/24 1204	HNO3	Groundwater	✔	✔	✔									
	24061963-018	7/18/24 0956	HNO3	Groundwater	✔	✔	✔									
	24061963-019	7/18/24 1051	HNO3	Groundwater	✔	✔	✔									
	24061963-020	7/18/24 1323	HNO3	Groundwater	✔	✔	✔									
	24061963-021	7/18/24 1441	HNO3	Groundwater	✔	✔	✔									
	24061963-022	7/18/24 1204	HNO3	Groundwater	✔	✔	✔									

*Relinquished By	Date/Time	Received By	Date/Time
	7/24/24 1130		7/24/24 1130
	7/24/24 1245		7/24/24 1245

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

SubCocRevA 3/2/2016

ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-257-601
APPENDIX A.

TEKLAB, INC. Chain of Custody

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

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

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: Sampler: Teklab, Inc. QC Level: 2

Project# 24061963

Comments: **Please Issue reports and invoices via email only**
Please analyze for Radium 226/228 per methods specified for Vistra/Ramboll projects.
Method changes require Teklab authorization. Samples collected from an IL site.
Batch QC is required for all analyses requested. Vistra-EDD requested.

Contact: Elizabeth Hurley Email: EHurley@TekLabInc.com
Requested Due Date: Standard TAT Billing/PO: 36676
Phone: (618) 344-1004 ext. 33

PLEASE NOTE:

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

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228									
	24061963-023	7/17/24 1115	HNO3	Groundwater	✔	✔	✔									
	24061963-024	7/17/24 1211	HNO3	Groundwater	✔	✔	✔									
	24061963-025	7/17/24 1332	HNO3	Groundwater	✔	✔	✔									
	24061963-026	7/19/24 1105	HNO3	Groundwater	✔	✔	✔									
	24061963-027	7/17/24 1323	HNO3	Groundwater	✔	✔	✔									
	24061963-028	7/17/24 0908	HNO3	Groundwater	✔	✔	✔									
	24061963-029	7/17/24 0954	HNO3	Groundwater	✔	✔	✔									
	24061963-030	7/17/24 1406	HNO3	Groundwater	✔	✔	✔									
	24061963-031	7/17/24 1033	HNO3	Groundwater	✔	✔	✔									
	24061963-032	7/17/24 1225	HNO3	Groundwater	✔	✔	✔									
	24061963-033	7/17/24 1138	HNO3	Groundwater	✔	✔	✔									

*Relinquished By	Date/Time	Received By		Date/Time
Brandon Dillard	7/24/24 1130		7/24/24	7/24/24 1130
	7/24/24 1245			7/24/24 1245

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

SubCocRevA 3/2/2016

TEKLAB, INC. Chain of Custody

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

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

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: Sampler: Teklab, Inc. QC Level: 2

Project# 24061963

Comments: **Please Issue reports and invoices via email only**
Please analyze for Radium 226/228 per methods specified for Vistra/Ramboll projects.
Method changes require Teklab authorization. Samples collected from an IL site.
Batch QC is required for all analyses requested. Vistra-EDD requested.

Contact: Elizabeth Hurley Email: EHurley@TekLabInc.com
Requested Due Date: Standard TAT Billing/PO: 36676 Phone: (618) 344-1004 ext. 33

PLEASE NOTE:

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

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228									
	24061963-034	7/22/24 1313	HNO3	Groundwater	✔	✔	✔									
	24061963-035	7/22/24 1203	HNO3	Groundwater	✔	✔	✔									
	24061963-036	7/22/24 1242	HNO3	Groundwater	✔	✔	✔									
	24061963-037	7/22/24 1127	HNO3	Groundwater	✔	✔	✔									
	24061963-038	7/23/24 1204	HNO3	Groundwater	✔	✔	✔									
	24061963-039	7/17/24 1020	HNO3	Groundwater	✔	✔	✔									
	24061963-040	7/23/24 1211	HNO3	Groundwater	✔	✔	✔									
	24061963-041	7/18/24 1501	HNO3	Groundwater	✔	✔	✔									
	24061963-042	7/22/24 1056	HNO3	Groundwater	✔	✔	✔									
	24061963-043	7/22/24 1012	HNO3	Groundwater	✔	✔	✔									
	24061963-045	7/22/24 ~~1450~~ 1012 TE 9m 7/23/24	HNO3	Groundwater	✔	✔	✔									

*Relinquished By	Date/Time	Received By	Date/Time
Linda Rivera	7/24/24 1130		7/24/24 1130
	7/24/24 1245		7/24/24 1245

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

SubCocRevA 3/2/2016

ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-257-601
APPENDIX A.

Erika Jordan

From: Elizabeth A. Hurley <EHurley@TekLabInc.com>
Sent: Monday, August 26, 2024 12:40 PM
To: Erika Jordan
Subject: RE: Eurofins TestAmerica invoice, EDD and report files from 160-54800-1 Radium-226 and Radium-228

Unverified Sender: The sender of this email has not been verified. Review the content of the message carefully and verify the identity of the sender before acting on this email: replying, opening attachments or clicking links.

Hi, Erika,

May I request a revised report? Please correct 24061963-017 collection time from 1204 to 1206 to align with the field data file and to omit 24061963-007 (reporting for this well is on hold until further notice).

Thanks!

Elizabeth Hurley
Director of Customer Service

Teklab, Inc.
5445 Horseshoe Lake Road
Collinsville, IL 62234
Phone: (618) 344-1004 Ext. 33
Cell: (618) 791-8119
Fax: (618) 344-1005
E-mail: ehurley@teklabinc.com
www.teklabinc.com

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

From: Erika Jordan <TALS@reports.et.eurofinsus.com>
Sent: Tuesday, August 20, 2024 3:36 PM
To: Elizabeth A. Hurley <EHurley@TekLabInc.com>
Subject: Eurofins TestAmerica invoice, EDD and report files from 160-54800-1 Radium-226 and Radium-228

Good afternoon!

Attached please find the invoice, EDD and report files for job 160-54800-1; Radium-226 and Radium-228

The samples were received on 7/24/2024 12:45 PM.

Please feel free to contact me if you have any questions.

Thank you and have a great day!

Erika Jordan
Project Manager

Eurofins St. Louis

E-mail: erika.jordan@et.eurofinsus.com
www.eurofinsus.com/env

Reference: [160-303303]
Attachments: 4

> > Bank information has changed, please refer to remittance information on invoice. < <

Login Sample Receipt Checklist

Client: TekLab, Inc

Job Number: 160-54800-1
SDG Number: 24061963

Login Number: 54800
List Number: 1
Creator: Pinette, Meadow L

List Source: Eurofins St. Louis

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Qualifiers

Rad

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
G	The Sample MDC is greater than the requested RL.
U	Result is less than the sample detection limit.

Glossary

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

Method Summary

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

Job ID: 160-54800-1
SDG: 24061963

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

Protocol References:

EPA = US Environmental Protection Agency

None = None

TAL-STL = TestAmerica Laboratories, St. Louis, Facility Standard Operating Procedure.

Laboratory References:

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

Sample Summary

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

Job ID: 160-54800-1
SDG: 24061963

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
160-54800-1	24061963-001	Water	07/18/24 12:57	07/24/24 12:45
160-54800-2	24061963-002	Water	07/18/24 13:32	07/24/24 12:45
160-54800-3	24061963-003	Water	07/18/24 10:44	07/24/24 12:45
160-54800-4	24061963-004	Water	07/18/24 08:36	07/24/24 12:45
160-54800-5	24061963-005	Water	07/17/24 14:12	07/24/24 12:45
160-54800-6	24061963-006	Water	07/17/24 08:26	07/24/24 12:45
160-54800-8	24061963-008	Water	07/23/24 10:34	07/24/24 12:45
160-54800-9	24061963-009	Water	07/19/24 10:24	07/24/24 12:45
160-54800-10	24061963-010	Water	07/18/24 11:18	07/24/24 12:45
160-54800-11	24061963-011	Water	07/18/24 09:24	07/24/24 12:45
160-54800-12	24061963-012	Water	07/17/24 10:20	07/24/24 12:45
160-54800-13	24061963-013	Water	07/18/24 13:48	07/24/24 12:45
160-54800-14	24061963-014	Water	07/18/24 12:01	07/24/24 12:45
160-54800-15	24061963-015	Water	07/18/24 09:55	07/24/24 12:45
160-54800-16	24061963-016	Water	07/18/24 11:10	07/24/24 12:45
160-54800-17	24061963-017	Water	07/18/24 12:06	07/24/24 12:45
160-54800-18	24061963-018	Water	07/18/24 09:56	07/24/24 12:45
160-54800-19	24061963-019	Water	07/18/24 10:51	07/24/24 12:45
160-54800-20	24061963-020	Water	07/18/24 13:23	07/24/24 12:45
160-54800-21	24061963-021	Water	07/18/24 14:41	07/24/24 12:45
160-54800-22	24061963-022	Water	07/18/24 12:04	07/24/24 12:45
160-54800-23	24061963-023	Water	07/17/24 11:15	07/24/24 12:45
160-54800-24	24061963-024	Water	07/17/24 12:11	07/24/24 12:45
160-54800-25	24061963-025	Water	07/17/24 13:32	07/24/24 12:45
160-54800-26	24061963-026	Water	07/19/24 11:05	07/24/24 12:45
160-54800-27	24061963-027	Water	07/17/24 13:23	07/24/24 12:45
160-54800-28	24061963-028	Water	07/17/24 09:08	07/24/24 12:45
160-54800-29	24061963-029	Water	07/17/24 09:54	07/24/24 12:45
160-54800-30	24061963-030	Water	07/17/24 14:06	07/24/24 12:45
160-54800-31	24061963-031	Water	07/17/24 10:33	07/24/24 12:45
160-54800-32	24061963-032	Water	07/17/24 12:25	07/24/24 12:45
160-54800-33	24061963-033	Water	07/17/24 11:38	07/24/24 12:45
160-54800-34	24061963-034	Water	07/22/24 13:13	07/24/24 12:45
160-54800-35	24061963-035	Water	07/22/24 12:03	07/24/24 12:45
160-54800-36	24061963-036	Water	07/22/24 12:42	07/24/24 12:45
160-54800-37	24061963-037	Water	07/22/24 11:27	07/24/24 12:45
160-54800-38	24061963-038	Water	07/23/24 12:04	07/24/24 12:45
160-54800-39	24061963-039	Water	07/17/24 10:20	07/24/24 12:45
160-54800-40	24061963-040	Water	07/23/24 12:11	07/24/24 12:45
160-54800-41	24061963-041	Water	07/18/24 15:01	07/24/24 12:45
160-54800-42	24061963-042	Water	07/22/24 10:56	07/24/24 12:45
160-54800-43	24061963-043	Water	07/22/24 10:12	07/24/24 12:45
160-54800-44	24061963-045	Water	07/22/24 10:12	07/24/24 12:45

Client Sample Results

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

Job ID: 160-54800-1
SDG: 24061963

Client Sample ID: 24061963-001
Date Collected: 07/18/24 12:57
Date Received: 07/24/24 12:45

Lab Sample ID: 160-54800-1
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0216	U	0.0643	0.0643	1.00	0.120	pCi/L	07/25/24 08:14	08/16/24 07:45	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.1*		*30 - 110*	*07/25/24 08:14*	*08/16/24 07:45*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.00682	U	0.312	0.312	1.00	0.581	pCi/L	07/25/24 08:17	08/05/24 11:42	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.1*		*30 - 110*	*07/25/24 08:17*	*08/05/24 11:42*	*1*
Y Carrier	*82.2*		*30 - 110*	*07/25/24 08:17*	*08/05/24 11:42*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.0284	U	0.319	0.319	5.00	0.581	pCi/L		08/20/24 10:30	1

Client Sample ID: 24061963-002
Date Collected: 07/18/24 13:32
Date Received: 07/24/24 12:45

Lab Sample ID: 160-54800-2
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.177**		0.0832	0.0847	1.00	0.0932	pCi/L	07/25/24 08:14	08/16/24 07:45	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.5*		*30 - 110*	*07/25/24 08:14*	*08/16/24 07:45*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.666**		0.362	0.368	1.00	0.500	pCi/L	07/25/24 08:17	08/05/24 11:42	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.5*		*30 - 110*	*07/25/24 08:17*	*08/05/24 11:42*	*1*
Y Carrier	*76.3*		*30 - 110*	*07/25/24 08:17*	*08/05/24 11:42*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.843**		0.371	0.378	5.00	0.500	pCi/L		08/20/24 10:30	1

Client Sample Results

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

Job ID: 160-54800-1
SDG: 24061963

Client Sample ID: 24061963-003
Date Collected: 07/18/24 10:44
Date Received: 07/24/24 12:45

Lab Sample ID: 160-54800-3
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0307	U	0.0635	0.0636	1.00	0.138	pCi/L	07/25/24 08:14	08/16/24 07:45	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.3*		*30 - 110*	*07/25/24 08:14*	*08/16/24 07:45*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.508	U	0.372	0.374	1.00	0.562	pCi/L	07/25/24 08:17	08/05/24 11:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.3*		*30 - 110*	*07/25/24 08:17*	*08/05/24 11:43*	*1*
Y Carrier	*79.6*		*30 - 110*	*07/25/24 08:17*	*08/05/24 11:43*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.508	U	0.377	0.379	5.00	0.562	pCi/L		08/20/24 10:30	1

Client Sample ID: 24061963-004
Date Collected: 07/18/24 08:36
Date Received: 07/24/24 12:45

Lab Sample ID: 160-54800-4
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.150	U	0.113	0.114	1.00	0.156	pCi/L	07/25/24 08:14	08/16/24 09:35	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*63.3*		*30 - 110*	*07/25/24 08:14*	*08/16/24 09:35*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**1.20**	**G**	0.750	0.758	1.00	1.10	pCi/L	07/25/24 08:17	08/05/24 11:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*63.3*		*30 - 110*	*07/25/24 08:17*	*08/05/24 11:43*	*1*
Y Carrier	*77.4*		*30 - 110*	*07/25/24 08:17*	*08/05/24 11:43*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**1.35**		0.758	0.767	5.00	1.10	pCi/L		08/20/24 10:30	1

Client Sample Results

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

Job ID: 160-54800-1
SDG: 24061963

Client Sample ID: 24061963-005
Date Collected: 07/17/24 14:12
Date Received: 07/24/24 12:45

Lab Sample ID: 160-54800-5
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.199**		0.0968	0.0985	1.00	0.123	pCi/L	07/25/24 08:14	08/16/24 09:35	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.8*		*30 - 110*	*07/25/24 08:14*	*08/16/24 09:35*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.266	U	0.357	0.358	1.00	0.597	pCi/L	07/25/24 08:17	08/05/24 11:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.8*		*30 - 110*	*07/25/24 08:17*	*08/05/24 11:43*	*1*
Y Carrier	*82.2*		*30 - 110*	*07/25/24 08:17*	*08/05/24 11:43*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.465	U	0.370	0.371	5.00	0.597	pCi/L		08/20/24 10:30	1

Client Sample ID: 24061963-006
Date Collected: 07/17/24 08:26
Date Received: 07/24/24 12:45

Lab Sample ID: 160-54800-6
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0757	U	0.0671	0.0675	1.00	0.102	pCi/L	07/25/24 08:14	08/16/24 09:35	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.3*		*30 - 110*	*07/25/24 08:14*	*08/16/24 09:35*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.608**		0.387	0.391	1.00	0.571	pCi/L	07/25/24 08:17	08/05/24 11:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.3*		*30 - 110*	*07/25/24 08:17*	*08/05/24 11:43*	*1*
Y Carrier	*77.0*		*30 - 110*	*07/25/24 08:17*	*08/05/24 11:43*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.684**		0.393	0.397	5.00	0.571	pCi/L		08/20/24 10:30	1

Client Sample ID: 24061963-008
Date Collected: 07/23/24 10:34
Date Received: 07/24/24 12:45

Lab Sample ID: 160-54800-8
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.133		0.0951	0.0958	1.00	0.132	pCi/L	07/25/24 08:14	08/16/24 09:37	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.6*		*30 - 110*	*07/25/24 08:14*	*08/16/24 09:37*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.134	U	0.457	0.457	1.00	0.815	pCi/L	07/25/24 08:17	08/05/24 11:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.6*		*30 - 110*	*07/25/24 08:17*	*08/05/24 11:43*	*1*
Y Carrier	*79.3*		*30 - 110*	*07/25/24 08:17*	*08/05/24 11:43*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.267	U	0.467	0.467	5.00	0.815	pCi/L		08/20/24 10:30	1

Client Sample ID: 24061963-009
Date Collected: 07/19/24 10:24
Date Received: 07/24/24 12:45

Lab Sample ID: 160-54800-9
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.145		0.0777	0.0788	1.00	0.0941	pCi/L	07/25/24 08:14	08/16/24 09:37	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.3*		*30 - 110*	*07/25/24 08:14*	*08/16/24 09:37*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.390	U	0.330	0.332	1.00	0.513	pCi/L	07/25/24 08:17	08/05/24 11:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.3*		*30 - 110*	*07/25/24 08:17*	*08/05/24 11:43*	*1*
Y Carrier	*80.0*		*30 - 110*	*07/25/24 08:17*	*08/05/24 11:43*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.535		0.339	0.341	5.00	0.513	pCi/L		08/20/24 10:30	1

Client Sample Results

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

Job ID: 160-54800-1
SDG: 24061963

Client Sample ID: 24061963-010
Date Collected: 07/18/24 11:18
Date Received: 07/24/24 12:45

Lab Sample ID: 160-54800-10
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0865	U	0.0669	0.0673	1.00	0.0944	pCi/L	07/25/24 08:14	08/16/24 09:37	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.1*		*30 - 110*	*07/25/24 08:14*	*08/16/24 09:37*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.470	U	0.388	0.390	1.00	0.605	pCi/L	07/25/24 08:17	08/05/24 11:44	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.1*		*30 - 110*	*07/25/24 08:17*	*08/05/24 11:44*	*1*
Y Carrier	*77.8*		*30 - 110*	*07/25/24 08:17*	*08/05/24 11:44*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.557	U	0.394	0.396	5.00	0.605	pCi/L		08/20/24 10:30	1

Client Sample ID: 24061963-011
Date Collected: 07/18/24 09:24
Date Received: 07/24/24 12:45

Lab Sample ID: 160-54800-11
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.252**		0.0974	0.100	1.00	0.0954	pCi/L	07/25/24 08:14	08/16/24 09:40	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.4*		*30 - 110*	*07/25/24 08:14*	*08/16/24 09:40*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.870**		0.426	0.434	1.00	0.586	pCi/L	07/25/24 08:17	08/05/24 11:44	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.4*		*30 - 110*	*07/25/24 08:17*	*08/05/24 11:44*	*1*
Y Carrier	*80.4*		*30 - 110*	*07/25/24 08:17*	*08/05/24 11:44*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**1.12**		0.437	0.445	5.00	0.586	pCi/L		08/20/24 10:30	1

Client Sample Results

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

Job ID: 160-54800-1
SDG: 24061963

Client Sample ID: 24061963-012
Date Collected: 07/17/24 10:20
Date Received: 07/24/24 12:45

Lab Sample ID: 160-54800-12
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.123		0.0693	0.0702	1.00	0.0788	pCi/L	07/25/24 08:14	08/16/24 09:40	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.8*		*30 - 110*	*07/25/24 08:14*	*08/16/24 09:40*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.375	U	0.363	0.365	1.00	0.582	pCi/L	07/25/24 08:17	08/05/24 11:44	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.8*		*30 - 110*	*07/25/24 08:17*	*08/05/24 11:44*	*1*
Y Carrier	*80.7*		*30 - 110*	*07/25/24 08:17*	*08/05/24 11:44*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.499	U	0.370	0.372	5.00	0.582	pCi/L		08/20/24 10:30	1

Client Sample ID: 24061963-013
Date Collected: 07/18/24 13:48
Date Received: 07/24/24 12:45

Lab Sample ID: 160-54800-13
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.113		0.0669	0.0676	1.00	0.0800	pCi/L	07/25/24 08:14	08/16/24 09:40	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.1*		*30 - 110*	*07/25/24 08:14*	*08/16/24 09:40*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.226	U	0.317	0.318	1.00	0.534	pCi/L	07/25/24 08:17	08/05/24 11:44	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.1*		*30 - 110*	*07/25/24 08:17*	*08/05/24 11:44*	*1*
Y Carrier	*78.5*		*30 - 110*	*07/25/24 08:17*	*08/05/24 11:44*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.340	U	0.324	0.325	5.00	0.534	pCi/L		08/20/24 10:30	1

Client Sample ID: 24061963-014
Date Collected: 07/18/24 12:01
Date Received: 07/24/24 12:45

Lab Sample ID: 160-54800-14
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.382		0.122	0.126	1.00	0.104	pCi/L	07/25/24 08:14	08/16/24 09:40	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*78.7*		*30 - 110*	*07/25/24 08:14*	*08/16/24 09:40*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.496	U	0.419	0.422	1.00	0.654	pCi/L	07/25/24 08:17	08/05/24 12:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*78.7*		*30 - 110*	*07/25/24 08:17*	*08/05/24 12:04*	*1*
Y Carrier	*79.3*		*30 - 110*	*07/25/24 08:17*	*08/05/24 12:04*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.878		0.436	0.440	5.00	0.654	pCi/L		08/20/24 10:30	1

Client Sample ID: 24061963-015
Date Collected: 07/18/24 09:55
Date Received: 07/24/24 12:45

Lab Sample ID: 160-54800-15
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0734	U	0.0719	0.0722	1.00	0.113	pCi/L	07/25/24 08:14	08/16/24 09:40	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.5*		*30 - 110*	*07/25/24 08:14*	*08/16/24 09:40*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.617		0.371	0.375	1.00	0.538	pCi/L	07/25/24 08:17	08/05/24 12:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.5*		*30 - 110*	*07/25/24 08:17*	*08/05/24 12:04*	*1*
Y Carrier	*81.5*		*30 - 110*	*07/25/24 08:17*	*08/05/24 12:04*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.691		0.378	0.382	5.00	0.538	pCi/L		08/20/24 10:30	1

Client Sample Results

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

Job ID: 160-54800-1
SDG: 24061963

Client Sample ID: 24061963-016
Date Collected: 07/18/24 11:10
Date Received: 07/24/24 12:45

Lab Sample ID: 160-54800-16
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.329		0.108	0.112	1.00	0.0960	pCi/L	07/25/24 08:14	08/16/24 09:42	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.6*		*30 - 110*	*07/25/24 08:14*	*08/16/24 09:42*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.244	U	0.271	0.272	1.00	0.589	pCi/L	07/25/24 08:17	08/05/24 12:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.6*		*30 - 110*	*07/25/24 08:17*	*08/05/24 12:04*	*1*
Y Carrier	*79.6*		*30 - 110*	*07/25/24 08:17*	*08/05/24 12:04*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.329	U	0.292	0.294	5.00	0.589	pCi/L		08/20/24 10:30	1

Client Sample ID: 24061963-017
Date Collected: 07/18/24 12:06
Date Received: 07/24/24 12:45

Lab Sample ID: 160-54800-17
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0582	U	0.0713	0.0715	1.00	0.118	pCi/L	07/25/24 08:14	08/16/24 09:42	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.3*		*30 - 110*	*07/25/24 08:14*	*08/16/24 09:42*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0982	U	0.308	0.308	1.00	0.553	pCi/L	07/25/24 08:17	08/05/24 12:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.3*		*30 - 110*	*07/25/24 08:17*	*08/05/24 12:04*	*1*
Y Carrier	*81.9*		*30 - 110*	*07/25/24 08:17*	*08/05/24 12:04*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.156	U	0.316	0.316	5.00	0.553	pCi/L		08/20/24 10:30	1

Client Sample Results

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

Job ID: 160-54800-1
SDG: 24061963

Client Sample ID: 24061963-018
Date Collected: 07/18/24 09:56
Date Received: 07/24/24 12:45

Lab Sample ID: 160-54800-18
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.414		0.133	0.138	1.00	0.133	pCi/L	07/25/24 08:14	08/16/24 09:42	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.6*		*30 - 110*	*07/25/24 08:14*	*08/16/24 09:42*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.721		0.464	0.469	1.00	0.692	pCi/L	07/25/24 08:17	08/05/24 12:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.6*		*30 - 110*	*07/25/24 08:17*	*08/05/24 12:04*	*1*
Y Carrier	*79.3*		*30 - 110*	*07/25/24 08:17*	*08/05/24 12:04*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.14		0.483	0.489	5.00	0.692	pCi/L		08/20/24 10:30	1

Client Sample ID: 24061963-019
Date Collected: 07/18/24 10:51
Date Received: 07/24/24 12:45

Lab Sample ID: 160-54800-19
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.439		0.133	0.139	1.00	0.131	pCi/L	07/25/24 08:14	08/16/24 07:45	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.3*		*30 - 110*	*07/25/24 08:14*	*08/16/24 07:45*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.318	U	0.341	0.342	1.00	0.555	pCi/L	07/25/24 08:17	08/05/24 11:42	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.3*		*30 - 110*	*07/25/24 08:17*	*08/05/24 11:42*	*1*
Y Carrier	*81.5*		*30 - 110*	*07/25/24 08:17*	*08/05/24 11:42*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.757		0.366	0.369	5.00	0.555	pCi/L		08/20/24 10:30	1

Client Sample Results

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

Job ID: 160-54800-1
SDG: 24061963

Client Sample ID: 24061963-020
Date Collected: 07/18/24 13:23
Date Received: 07/24/24 12:45

Lab Sample ID: 160-54800-20
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0743	U	0.0651	0.0655	1.00	0.0963	pCi/L	07/25/24 08:20	08/16/24 14:07	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.4*		*30 - 110*	*07/25/24 08:20*	*08/16/24 14:07*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.174	U	0.315	0.315	1.00	0.546	pCi/L	07/25/24 08:23	08/05/24 11:15	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.4*		*30 - 110*	*07/25/24 08:23*	*08/05/24 11:15*	*1*
Y Carrier	*74.0*		*30 - 110*	*07/25/24 08:23*	*08/05/24 11:15*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.248	U	0.322	0.322	5.00	0.546	pCi/L		08/20/24 10:30	1

Client Sample ID: 24061963-021
Date Collected: 07/18/24 14:41
Date Received: 07/24/24 12:45

Lab Sample ID: 160-54800-21
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.0865**		0.0617	0.0622	1.00	0.0814	pCi/L	07/25/24 08:20	08/16/24 14:07	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.1*		*30 - 110*	*07/25/24 08:20*	*08/16/24 14:07*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.275	U	0.375	0.376	1.00	0.628	pCi/L	07/25/24 08:23	08/05/24 11:37	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.1*		*30 - 110*	*07/25/24 08:23*	*08/05/24 11:37*	*1*
Y Carrier	*77.8*		*30 - 110*	*07/25/24 08:23*	*08/05/24 11:37*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.362	U	0.380	0.381	5.00	0.628	pCi/L		08/20/24 10:30	1

Client Sample Results

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

Job ID: 160-54800-1
SDG: 24061963

Client Sample ID: 24061963-022
Date Collected: 07/18/24 12:04
Date Received: 07/24/24 12:45

Lab Sample ID: 160-54800-22
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.324		0.169	0.172	1.00	0.199	pCi/L	07/25/24 08:20	08/16/24 14:07	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.6*		*30 - 110*	*07/25/24 08:20*	*08/16/24 14:07*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.50	G	0.935	0.945	1.00	1.40	pCi/L	07/25/24 08:23	08/05/24 11:37	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.6*		*30 - 110*	*07/25/24 08:23*	*08/05/24 11:37*	*1*
Y Carrier	*79.6*		*30 - 110*	*07/25/24 08:23*	*08/05/24 11:37*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.83		0.950	0.961	5.00	1.40	pCi/L		08/20/24 10:30	1

Client Sample ID: 24061963-023
Date Collected: 07/17/24 11:15
Date Received: 07/24/24 12:45

Lab Sample ID: 160-54800-23
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0437	U	0.0736	0.0737	1.00	0.128	pCi/L	07/25/24 08:20	08/16/24 14:07	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.6*		*30 - 110*	*07/25/24 08:20*	*08/16/24 14:07*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.131	U	0.385	0.386	1.00	0.684	pCi/L	07/25/24 08:23	08/05/24 11:37	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.6*		*30 - 110*	*07/25/24 08:23*	*08/05/24 11:37*	*1*
Y Carrier	*78.9*		*30 - 110*	*07/25/24 08:23*	*08/05/24 11:37*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.174	U	0.392	0.393	5.00	0.684	pCi/L		08/20/24 10:30	1

Client Sample Results

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

Job ID: 160-54800-1
SDG: 24061963

Client Sample ID: 24061963-024
Date Collected: 07/17/24 12:11
Date Received: 07/24/24 12:45

Lab Sample ID: 160-54800-24
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.113	U	0.0854	0.0860	1.00	0.125	pCi/L	07/25/24 08:20	08/16/24 14:10	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.3*		*30 - 110*	*07/25/24 08:20*	*08/16/24 14:10*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.555**		0.373	0.377	1.00	0.555	pCi/L	07/25/24 08:23	08/05/24 11:37	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.3*		*30 - 110*	*07/25/24 08:23*	*08/05/24 11:37*	*1*
Y Carrier	*80.4*		*30 - 110*	*07/25/24 08:23*	*08/05/24 11:37*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.668**		0.383	0.387	5.00	0.555	pCi/L		08/20/24 10:30	1

Client Sample ID: 24061963-025
Date Collected: 07/17/24 13:32
Date Received: 07/24/24 12:45

Lab Sample ID: 160-54800-25
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.203**		0.0894	0.0913	1.00	0.0970	pCi/L	07/25/24 08:20	08/16/24 14:10	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.3*		*30 - 110*	*07/25/24 08:20*	*08/16/24 14:10*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.171	U	0.335	0.336	1.00	0.580	pCi/L	07/25/24 08:23	08/05/24 11:37	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.3*		*30 - 110*	*07/25/24 08:23*	*08/05/24 11:37*	*1*
Y Carrier	*83.0*		*30 - 110*	*07/25/24 08:23*	*08/05/24 11:37*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.375	U	0.347	0.348	5.00	0.580	pCi/L		08/20/24 10:30	1

Client Sample Results

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

Job ID: 160-54800-1
SDG: 24061963

Client Sample ID: 24061963-026
Date Collected: 07/19/24 11:05
Date Received: 07/24/24 12:45

Lab Sample ID: 160-54800-26
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.242		0.0988	0.101	1.00	0.103	pCi/L	07/25/24 08:20	08/16/24 14:10	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.4*		*30 - 110*	*07/25/24 08:20*	*08/16/24 14:10*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.0489	U	0.325	0.325	1.00	0.620	pCi/L	07/25/24 08:23	08/05/24 11:38	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.4*		*30 - 110*	*07/25/24 08:23*	*08/05/24 11:38*	*1*
Y Carrier	*81.1*		*30 - 110*	*07/25/24 08:23*	*08/05/24 11:38*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.242	U	0.340	0.340	5.00	0.620	pCi/L		08/20/24 10:30	1

Client Sample ID: 24061963-027
Date Collected: 07/17/24 13:23
Date Received: 07/24/24 12:45

Lab Sample ID: 160-54800-27
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0820	U	0.0635	0.0639	1.00	0.0896	pCi/L	07/25/24 08:20	08/16/24 14:10	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.0*		*30 - 110*	*07/25/24 08:20*	*08/16/24 14:10*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.268	U	0.279	0.280	1.00	0.450	pCi/L	07/25/24 08:23	08/05/24 11:38	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.0*		*30 - 110*	*07/25/24 08:23*	*08/05/24 11:38*	*1*
Y Carrier	*84.1*		*30 - 110*	*07/25/24 08:23*	*08/05/24 11:38*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.350	U	0.286	0.287	5.00	0.450	pCi/L		08/20/24 10:30	1

Client Sample Results

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

Job ID: 160-54800-1
SDG: 24061963

Client Sample ID: 24061963-028
Date Collected: 07/17/24 09:08
Date Received: 07/24/24 12:45

Lab Sample ID: 160-54800-28
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0632	U	0.0597	0.0600	1.00	0.0909	pCi/L	07/25/24 08:20	08/16/24 14:10	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*97.0*		*30 - 110*	*07/25/24 08:20*	*08/16/24 14:10*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.209	U	0.293	0.293	1.00	0.493	pCi/L	07/25/24 08:23	08/05/24 11:38	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*97.0*		*30 - 110*	*07/25/24 08:23*	*08/05/24 11:38*	*1*
Y Carrier	*81.9*		*30 - 110*	*07/25/24 08:23*	*08/05/24 11:38*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.272	U	0.299	0.299	5.00	0.493	pCi/L		08/20/24 10:30	1

Client Sample ID: 24061963-029
Date Collected: 07/17/24 09:54
Date Received: 07/24/24 12:45

Lab Sample ID: 160-54800-29
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0243	U	0.0686	0.0686	1.00	0.126	pCi/L	07/25/24 08:20	08/16/24 14:10	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*97.0*		*30 - 110*	*07/25/24 08:20*	*08/16/24 14:10*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.101	U	0.283	0.283	1.00	0.551	pCi/L	07/25/24 08:23	08/05/24 11:34	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*97.0*		*30 - 110*	*07/25/24 08:23*	*08/05/24 11:34*	*1*
Y Carrier	*80.7*		*30 - 110*	*07/25/24 08:23*	*08/05/24 11:34*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.0243	U	0.291	0.291	5.00	0.551	pCi/L		08/20/24 10:30	1

Client Sample Results

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

Lab ID: 160-54800-1
SDG: 24061963

Client Sample ID: 24061963-030
Date Collected: 07/17/24 14:06
Date Received: 07/24/24 12:45

Lab Sample ID: 160-54800-30
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0455	U	0.0707	0.0708	1.00	0.122	pCi/L	07/25/24 08:20	08/16/24 14:09	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.8*		*30 - 110*	*07/25/24 08:20*	*08/16/24 14:09*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.282	U	0.335	0.336	1.00	0.553	pCi/L	07/25/24 08:23	08/05/24 11:34	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.8*		*30 - 110*	*07/25/24 08:23*	*08/05/24 11:34*	*1*
Y Carrier	*80.7*		*30 - 110*	*07/25/24 08:23*	*08/05/24 11:34*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.328	U	0.342	0.343	5.00	0.553	pCi/L		08/20/24 10:30	1

Client Sample ID: 24061963-031
Date Collected: 07/17/24 10:33
Date Received: 07/24/24 12:45

Lab Sample ID: 160-54800-31
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.458**		0.120	0.127	1.00	0.0915	pCi/L	07/25/24 08:20	08/16/24 14:09	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.0*		*30 - 110*	*07/25/24 08:20*	*08/16/24 14:09*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.512	U	0.347	0.350	1.00	0.517	pCi/L	07/25/24 08:23	08/05/24 11:35	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.0*		*30 - 110*	*07/25/24 08:23*	*08/05/24 11:35*	*1*
Y Carrier	*77.0*		*30 - 110*	*07/25/24 08:23*	*08/05/24 11:35*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.969**		0.367	0.372	5.00	0.517	pCi/L		08/20/24 10:30	1

Client Sample Results

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

Job ID: 160-54800-1
SDG: 24061963

Client Sample ID: 24061963-032
Date Collected: 07/17/24 12:25
Date Received: 07/24/24 12:45

Lab Sample ID: 160-54800-32
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.186		0.0912	0.0927	1.00	0.112	pCi/L	07/25/24 08:20	08/16/24 14:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.3*		*30 - 110*	*07/25/24 08:20*	*08/16/24 14:12*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0365	U	0.310	0.310	1.00	0.573	pCi/L	07/25/24 08:23	08/05/24 11:35	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.3*		*30 - 110*	*07/25/24 08:23*	*08/05/24 11:35*	*1*
Y Carrier	*76.3*		*30 - 110*	*07/25/24 08:23*	*08/05/24 11:35*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.223	U	0.323	0.324	5.00	0.573	pCi/L		08/20/24 10:30	1

Client Sample ID: 24061963-033
Date Collected: 07/17/24 11:38
Date Received: 07/24/24 12:45

Lab Sample ID: 160-54800-33
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0885	U	0.149	0.149	1.00	0.260	pCi/L	07/25/24 08:20	08/16/24 14:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*75.2*		*30 - 110*	*07/25/24 08:20*	*08/16/24 14:12*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.923	U G	0.778	0.783	1.00	1.21	pCi/L	07/25/24 08:23	08/05/24 11:35	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*75.2*		*30 - 110*	*07/25/24 08:23*	*08/05/24 11:35*	*1*
Y Carrier	*81.9*		*30 - 110*	*07/25/24 08:23*	*08/05/24 11:35*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.01	U	0.792	0.797	5.00	1.21	pCi/L		08/20/24 10:30	1

Client Sample Results

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

Job ID: 160-54800-1
SDG: 24061963

Client Sample ID: 24061963-034
Date Collected: 07/22/24 13:13
Date Received: 07/24/24 12:45

Lab Sample ID: 160-54800-34
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0684	U	0.0694	0.0697	1.00	0.109	pCi/L	07/25/24 08:20	08/16/24 14:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.6*		*30 - 110*	*07/25/24 08:20*	*08/16/24 14:12*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.331	U	0.330	0.332	1.00	0.531	pCi/L	07/25/24 08:23	08/05/24 11:35	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.6*		*30 - 110*	*07/25/24 08:23*	*08/05/24 11:35*	*1*
Y Carrier	*83.0*		*30 - 110*	*07/25/24 08:23*	*08/05/24 11:35*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.399	U	0.337	0.339	5.00	0.531	pCi/L		08/20/24 10:30	1

Client Sample ID: 24061963-035
Date Collected: 07/22/24 12:03
Date Received: 07/24/24 12:45

Lab Sample ID: 160-54800-35
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.113**		0.0739	0.0746	1.00	0.100	pCi/L	07/25/24 08:20	08/16/24 14:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.3*		*30 - 110*	*07/25/24 08:20*	*08/16/24 14:12*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.289	U	0.342	0.343	1.00	0.565	pCi/L	07/25/24 08:23	08/05/24 11:35	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.3*		*30 - 110*	*07/25/24 08:23*	*08/05/24 11:35*	*1*
Y Carrier	*83.7*		*30 - 110*	*07/25/24 08:23*	*08/05/24 11:35*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.402	U	0.350	0.351	5.00	0.565	pCi/L		08/20/24 10:30	1

Client Sample Results

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

Job ID: 160-54800-1
SDG: 24061963

Client Sample ID: 24061963-036
Date Collected: 07/22/24 12:42
Date Received: 07/24/24 12:45

Lab Sample ID: 160-54800-36
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.339		0.106	0.111	1.00	0.0924	pCi/L	07/25/24 08:20	08/16/24 16:01	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.5*		*30 - 110*	*07/25/24 08:20*	*08/16/24 16:01*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.597		0.333	0.338	1.00	0.467	pCi/L	07/25/24 08:23	08/05/24 11:31	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.5*		*30 - 110*	*07/25/24 08:23*	*08/05/24 11:31*	*1*
Y Carrier	*81.5*		*30 - 110*	*07/25/24 08:23*	*08/05/24 11:31*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.937		0.349	0.356	5.00	0.467	pCi/L		08/20/24 10:30	1

Client Sample ID: 24061963-037
Date Collected: 07/22/24 11:27
Date Received: 07/24/24 12:45

Lab Sample ID: 160-54800-37
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0907	U	0.0726	0.0731	1.00	0.105	pCi/L	07/25/24 08:20	08/16/24 16:01	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.9*		*30 - 110*	*07/25/24 08:20*	*08/16/24 16:01*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.410	U	0.344	0.346	1.00	0.533	pCi/L	07/25/24 08:23	08/05/24 11:31	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.9*		*30 - 110*	*07/25/24 08:23*	*08/05/24 11:31*	*1*
Y Carrier	*81.1*		*30 - 110*	*07/25/24 08:23*	*08/05/24 11:31*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.501	U	0.352	0.354	5.00	0.533	pCi/L		08/20/24 10:30	1

Client Sample Results

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

Job ID: 160-54800-1
SDG: 24061963

Client Sample ID: 24061963-038
Date Collected: 07/23/24 12:04
Date Received: 07/24/24 12:45

Lab Sample ID: 160-54800-38
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0474	U	0.0555	0.0556	1.00	0.0898	pCi/L	07/25/24 08:20	08/16/24 16:01	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.8*		*30 - 110*	*07/25/24 08:20*	*08/16/24 16:01*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0324	U	0.263	0.263	1.00	0.489	pCi/L	07/25/24 08:23	08/05/24 11:31	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.8*		*30 - 110*	*07/25/24 08:23*	*08/05/24 11:31*	*1*
Y Carrier	*82.2*		*30 - 110*	*07/25/24 08:23*	*08/05/24 11:31*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.0798	U	0.269	0.269	5.00	0.489	pCi/L		08/20/24 10:30	1

Client Sample ID: 24061963-039
Date Collected: 07/17/24 10:20
Date Received: 07/24/24 12:45

Lab Sample ID: 160-54800-39
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.140**		0.0756	0.0766	1.00	0.0915	pCi/L	07/25/24 08:20	08/16/24 16:01	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.8*		*30 - 110*	*07/25/24 08:20*	*08/16/24 16:01*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.443	U	0.324	0.326	1.00	0.491	pCi/L	07/25/24 08:23	08/05/24 11:31	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.8*		*30 - 110*	*07/25/24 08:23*	*08/05/24 11:31*	*1*
Y Carrier	*83.7*		*30 - 110*	*07/25/24 08:23*	*08/05/24 11:31*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.583**		0.333	0.335	5.00	0.491	pCi/L		08/20/24 10:30	1

Client Sample Results

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

Job ID: 160-54800-1
SDG: 24061963

Client Sample ID: 24061963-040
Date Collected: 07/23/24 12:11
Date Received: 07/24/24 12:45

Lab Sample ID: 160-54800-40
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0854	U	0.0683	0.0687	1.00	0.0990	pCi/L	07/26/24 08:38	08/19/24 08:29	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.6*		*30 - 110*	*07/26/24 08:38*	*08/19/24 08:29*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0738	U *	0.344	0.344	1.00	0.627	pCi/L	07/26/24 08:44	08/06/24 12:42	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.6*		*30 - 110*	*07/26/24 08:44*	*08/06/24 12:42*	*1*
Y Carrier	*80.7*		*30 - 110*	*07/26/24 08:44*	*08/06/24 12:42*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.159	U	0.351	0.351	5.00	0.627	pCi/L		08/20/24 10:30	1

Client Sample ID: 24061963-041
Date Collected: 07/18/24 15:01
Date Received: 07/24/24 12:45

Lab Sample ID: 160-54800-41
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0553	U	0.0600	0.0602	1.00	0.0954	pCi/L	07/26/24 08:38	08/19/24 08:30	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.1*		*30 - 110*	*07/26/24 08:38*	*08/19/24 08:30*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.00784	U *	0.363	0.363	1.00	0.674	pCi/L	07/26/24 08:44	08/06/24 12:42	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.1*		*30 - 110*	*07/26/24 08:44*	*08/06/24 12:42*	*1*
Y Carrier	*80.4*		*30 - 110*	*07/26/24 08:44*	*08/06/24 12:42*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.0631	U	0.368	0.368	5.00	0.674	pCi/L		08/20/24 10:30	1

Client Sample Results

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

Job ID: 160-54800-1
SDG: 24061963

Client Sample ID: 24061963-042
Date Collected: 07/22/24 10:56
Date Received: 07/24/24 12:45

Lab Sample ID: 160-54800-42
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.112		0.0716	0.0723	1.00	0.0933	pCi/L	07/26/24 08:38	08/19/24 08:34	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.1*		*30 - 110*	*07/26/24 08:38*	*08/19/24 08:34*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.413	U *	0.394	0.395	1.00	0.629	pCi/L	07/26/24 08:44	08/06/24 12:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.1*		*30 - 110*	*07/26/24 08:44*	*08/06/24 12:43*	*1*
Y Carrier	*81.5*		*30 - 110*	*07/26/24 08:44*	*08/06/24 12:43*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.525	U	0.400	0.402	5.00	0.629	pCi/L		08/20/24 10:30	1

Client Sample ID: 24061963-043
Date Collected: 07/22/24 10:12
Date Received: 07/24/24 12:45

Lab Sample ID: 160-54800-43
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.189		0.0941	0.0956	1.00	0.118	pCi/L	07/26/24 08:38	08/19/24 08:35	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.6*		*30 - 110*	*07/26/24 08:38*	*08/19/24 08:35*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.164	U *	0.278	0.278	1.00	0.579	pCi/L	07/26/24 08:44	08/06/24 12:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.6*		*30 - 110*	*07/26/24 08:44*	*08/06/24 12:43*	*1*
Y Carrier	*79.3*		*30 - 110*	*07/26/24 08:44*	*08/06/24 12:43*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.189	U	0.293	0.294	5.00	0.579	pCi/L		08/20/24 10:30	1

Client Sample Results

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

Job ID: 160-54800-1
SDG: 24061963

Client Sample ID: 24061963-045
Date Collected: 07/22/24 10:12
Date Received: 07/24/24 12:45

Lab Sample ID: 160-54800-44
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.225		0.0991	0.101	1.00	0.113	pCi/L	07/26/24 08:38	08/19/24 08:35	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.1*		*30 - 110*	*07/26/24 08:38*	*08/19/24 08:35*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.112	U *	0.392	0.392	1.00	0.701	pCi/L	07/26/24 08:44	08/06/24 12:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.1*		*30 - 110*	*07/26/24 08:44*	*08/06/24 12:43*	*1*
Y Carrier	*82.2*		*30 - 110*	*07/26/24 08:44*	*08/06/24 12:43*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.338	U	0.404	0.405	5.00	0.701	pCi/L		08/20/24 10:30	1

QC Sample Results

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

Job ID: 160-54800-1
SDG: 24061963

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-672314/1-A
Matrix: Water
Analysis Batch: 675304

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 672314

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.01236	U	0.0502	0.0502	1.00	0.0983	pCi/L	07/25/24 08:14	08/16/24 07:44	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.6*		*30 - 110*	*07/25/24 08:14*	*08/16/24 07:44*	*1*

Lab Sample ID: LCS 160-672314/2-A
Matrix: Water
Analysis Batch: 675304

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 672314

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.58	9.487		0.995	1.00	0.0877	pCi/L	99	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*96.8*		*30 - 110*

Lab Sample ID: 160-54800-2 DU
Matrix: Water
Analysis Batch: 675304

Client Sample ID: 24061963-002
Prep Type: Total/NA
Prep Batch: 672314

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-226	0.177			0.1296		0.0799	1.00	0.105	pCi/L			0.29	1

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
Ba Carrier	*92.3*		*30 - 110*

Lab Sample ID: MB 160-672316/1-A
Matrix: Water
Analysis Batch: 675292

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 672316

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.03511	U	0.0299	0.0301	1.00	0.0909	pCi/L	07/25/24 08:20	08/16/24 14:04	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*96.0*		*30 - 110*	*07/25/24 08:20*	*08/16/24 14:04*	*1*

Lab Sample ID: LCS 160-672316/2-A
Matrix: Water
Analysis Batch: 675292

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 672316

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.58	9.416		0.991	1.00	0.0898	pCi/L	98	75 - 125		

QC Sample Results

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

Job ID: 160-54800-1
SDG: 24061963

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

Lab Sample ID: LCS 160-672316/2-A
Matrix: Water
Analysis Batch: 675292

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 672316

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	93.1		30 - 110

Lab Sample ID: 160-54800-20 DU
Matrix: Water
Analysis Batch: 675292

Client Sample ID: 24061963-020
Prep Type: Total/NA
Prep Batch: 672316

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-226	0.0743	U		0.04394	U	0.0507	1.00	0.0804	pCi/L			0.26	1

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	87.3		30 - 110

Lab Sample ID: MB 160-672514/1-A
Matrix: Water
Analysis Batch: 675559

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 672514

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.02840	U	0.0451	0.0452	1.00	0.0788	pCi/L	07/26/24 08:38	08/19/24 08:28	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	95.0		30 - 110	07/26/24 08:38	08/19/24 08:28	1

Lab Sample ID: LCS 160-672514/2-A
Matrix: Water
Analysis Batch: 675559

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 672514

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.58	9.384		0.976	1.00	0.0786	pCi/L	98	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	99.3		30 - 110

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-672315/1-A
Matrix: Water
Analysis Batch: 673675

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 672315

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.2689	U	0.327	0.328	1.00	0.540	pCi/L	07/25/24 08:17	08/05/24 11:42	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	91.6		30 - 110	07/25/24 08:17	08/05/24 11:42	1

QC Sample Results

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

Job ID: 160-54800-1
SDG: 24061963

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

Lab Sample ID: MB 160-672315/1-A
Matrix: Water
Analysis Batch: 673675

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 672315

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Y Carrier	80.4		30 - 110	07/25/24 08:17	08/05/24 11:42	1

Lab Sample ID: LCS 160-672315/2-A
Matrix: Water
Analysis Batch: 673675

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 672315

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			8.70	10.80		1.41	1.00	0.479	pCi/L	124	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	96.8		30 - 110
Y Carrier	81.9		30 - 110

Lab Sample ID: 160-54800-2 DU
Matrix: Water
Analysis Batch: 673675

Client Sample ID: 24061963-002
Prep Type: Total/NA
Prep Batch: 672315

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-228	0.666			0.1142	U	0.295	1.00	0.524	pCi/L			0.83	1

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	92.3		30 - 110
Y Carrier	81.9		30 - 110

Lab Sample ID: MB 160-672317/1-A
Matrix: Water
Analysis Batch: 673678

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 672317

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.4854		0.310	0.313	1.00	0.456	pCi/L	07/25/24 08:23	08/05/24 11:15	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	96.0		30 - 110	07/25/24 08:23	08/05/24 11:15	1
Y Carrier	85.6		30 - 110	07/25/24 08:23	08/05/24 11:15	1

Lab Sample ID: LCS 160-672317/2-A
Matrix: Water
Analysis Batch: 673678

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 672317

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			8.70	10.62		1.38	1.00	0.470	pCi/L	122	75 - 125		

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

Lab Sample ID: LCS 160-672317/2-A
Matrix: Water
Analysis Batch: 673678

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 672317

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	93.1		30 - 110
Y Carrier	82.2		30 - 110

Lab Sample ID: 160-54800-20 DU
Matrix: Water
Analysis Batch: 673671

Client Sample ID: 24061963-020
Prep Type: Total/NA
Prep Batch: 672317

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-228	0.174	U		0.6953		0.419	1.00	0.603	pCi/L			0.71	1

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	87.3		30 - 110
Y Carrier	77.4		30 - 110

Lab Sample ID: MB 160-672518/1-A
Matrix: Water
Analysis Batch: 673927

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 672518

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.3331	U	0.336	0.338	1.00	0.541	pCi/L	07/26/24 08:44	08/06/24 12:42	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	95.0		30 - 110	07/26/24 08:44	08/06/24 12:42	1
Y Carrier	84.5		30 - 110	07/26/24 08:44	08/06/24 12:42	1

Lab Sample ID: LCS 160-672518/2-A
Matrix: Water
Analysis Batch: 673927

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 672518

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			8.70	11.36	*	1.49	1.00	0.582	pCi/L	131	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	99.3		30 - 110
Y Carrier	82.2		30 - 110

QC Association Summary

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

Job ID: 160-54800-1
SDG: 24061963

Rad

Prep Batch: 672314

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-54800-1	24061963-001	Total/NA	Water	PrecSep-21	
160-54800-2	24061963-002	Total/NA	Water	PrecSep-21	
160-54800-3	24061963-003	Total/NA	Water	PrecSep-21	
160-54800-4	24061963-004	Total/NA	Water	PrecSep-21	
160-54800-5	24061963-005	Total/NA	Water	PrecSep-21	
160-54800-6	24061963-006	Total/NA	Water	PrecSep-21	
160-54800-8	24061963-008	Total/NA	Water	PrecSep-21	
160-54800-9	24061963-009	Total/NA	Water	PrecSep-21	
160-54800-10	24061963-010	Total/NA	Water	PrecSep-21	
160-54800-11	24061963-011	Total/NA	Water	PrecSep-21	
160-54800-12	24061963-012	Total/NA	Water	PrecSep-21	
160-54800-13	24061963-013	Total/NA	Water	PrecSep-21	
160-54800-14	24061963-014	Total/NA	Water	PrecSep-21	
160-54800-15	24061963-015	Total/NA	Water	PrecSep-21	
160-54800-16	24061963-016	Total/NA	Water	PrecSep-21	
160-54800-17	24061963-017	Total/NA	Water	PrecSep-21	
160-54800-18	24061963-018	Total/NA	Water	PrecSep-21	
160-54800-19	24061963-019	Total/NA	Water	PrecSep-21	
MB 160-672314/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-672314/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
160-54800-2 DU	24061963-002	Total/NA	Water	PrecSep-21	

Prep Batch: 672315

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-54800-1	24061963-001	Total/NA	Water	PrecSep_0	
160-54800-2	24061963-002	Total/NA	Water	PrecSep_0	
160-54800-3	24061963-003	Total/NA	Water	PrecSep_0	
160-54800-4	24061963-004	Total/NA	Water	PrecSep_0	
160-54800-5	24061963-005	Total/NA	Water	PrecSep_0	
160-54800-6	24061963-006	Total/NA	Water	PrecSep_0	
160-54800-8	24061963-008	Total/NA	Water	PrecSep_0	
160-54800-9	24061963-009	Total/NA	Water	PrecSep_0	
160-54800-10	24061963-010	Total/NA	Water	PrecSep_0	
160-54800-11	24061963-011	Total/NA	Water	PrecSep_0	
160-54800-12	24061963-012	Total/NA	Water	PrecSep_0	
160-54800-13	24061963-013	Total/NA	Water	PrecSep_0	
160-54800-14	24061963-014	Total/NA	Water	PrecSep_0	
160-54800-15	24061963-015	Total/NA	Water	PrecSep_0	
160-54800-16	24061963-016	Total/NA	Water	PrecSep_0	
160-54800-17	24061963-017	Total/NA	Water	PrecSep_0	
160-54800-18	24061963-018	Total/NA	Water	PrecSep_0	
160-54800-19	24061963-019	Total/NA	Water	PrecSep_0	
MB 160-672315/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-672315/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
160-54800-2 DU	24061963-002	Total/NA	Water	PrecSep_0	

Prep Batch: 672316

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-54800-20	24061963-020	Total/NA	Water	PrecSep-21	
160-54800-21	24061963-021	Total/NA	Water	PrecSep-21	
160-54800-22	24061963-022	Total/NA	Water	PrecSep-21	

QC Association Summary

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

Job ID: 160-54800-1
SDG: 24061963

Rad (Continued)

Prep Batch: 672316 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-54800-23	24061963-023	Total/NA	Water	PrecSep-21	
160-54800-24	24061963-024	Total/NA	Water	PrecSep-21	
160-54800-25	24061963-025	Total/NA	Water	PrecSep-21	
160-54800-26	24061963-026	Total/NA	Water	PrecSep-21	
160-54800-27	24061963-027	Total/NA	Water	PrecSep-21	
160-54800-28	24061963-028	Total/NA	Water	PrecSep-21	
160-54800-29	24061963-029	Total/NA	Water	PrecSep-21	
160-54800-30	24061963-030	Total/NA	Water	PrecSep-21	
160-54800-31	24061963-031	Total/NA	Water	PrecSep-21	
160-54800-32	24061963-032	Total/NA	Water	PrecSep-21	
160-54800-33	24061963-033	Total/NA	Water	PrecSep-21	
160-54800-34	24061963-034	Total/NA	Water	PrecSep-21	
160-54800-35	24061963-035	Total/NA	Water	PrecSep-21	
160-54800-36	24061963-036	Total/NA	Water	PrecSep-21	
160-54800-37	24061963-037	Total/NA	Water	PrecSep-21	
160-54800-38	24061963-038	Total/NA	Water	PrecSep-21	
160-54800-39	24061963-039	Total/NA	Water	PrecSep-21	
MB 160-672316/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-672316/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
160-54800-20 DU	24061963-020	Total/NA	Water	PrecSep-21	

Prep Batch: 672317

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-54800-20	24061963-020	Total/NA	Water	PrecSep_0	
160-54800-21	24061963-021	Total/NA	Water	PrecSep_0	
160-54800-22	24061963-022	Total/NA	Water	PrecSep_0	
160-54800-23	24061963-023	Total/NA	Water	PrecSep_0	
160-54800-24	24061963-024	Total/NA	Water	PrecSep_0	
160-54800-25	24061963-025	Total/NA	Water	PrecSep_0	
160-54800-26	24061963-026	Total/NA	Water	PrecSep_0	
160-54800-27	24061963-027	Total/NA	Water	PrecSep_0	
160-54800-28	24061963-028	Total/NA	Water	PrecSep_0	
160-54800-29	24061963-029	Total/NA	Water	PrecSep_0	
160-54800-30	24061963-030	Total/NA	Water	PrecSep_0	
160-54800-31	24061963-031	Total/NA	Water	PrecSep_0	
160-54800-32	24061963-032	Total/NA	Water	PrecSep_0	
160-54800-33	24061963-033	Total/NA	Water	PrecSep_0	
160-54800-34	24061963-034	Total/NA	Water	PrecSep_0	
160-54800-35	24061963-035	Total/NA	Water	PrecSep_0	
160-54800-36	24061963-036	Total/NA	Water	PrecSep_0	
160-54800-37	24061963-037	Total/NA	Water	PrecSep_0	
160-54800-38	24061963-038	Total/NA	Water	PrecSep_0	
160-54800-39	24061963-039	Total/NA	Water	PrecSep_0	
MB 160-672317/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-672317/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
160-54800-20 DU	24061963-020	Total/NA	Water	PrecSep_0	

Prep Batch: 672514

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-54800-40	24061963-040	Total/NA	Water	PrecSep-21	
160-54800-41	24061963-041	Total/NA	Water	PrecSep-21	

QC Association Summary

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

Job ID: 160-54800-1
SDG: 24061963

Rad (Continued)

Prep Batch: 672514 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-54800-42	24061963-042	Total/NA	Water	PrecSep-21	
160-54800-43	24061963-043	Total/NA	Water	PrecSep-21	
160-54800-44	24061963-045	Total/NA	Water	PrecSep-21	
MB 160-672514/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-672514/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 672518

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-54800-40	24061963-040	Total/NA	Water	PrecSep_0	
160-54800-41	24061963-041	Total/NA	Water	PrecSep_0	
160-54800-42	24061963-042	Total/NA	Water	PrecSep_0	
160-54800-43	24061963-043	Total/NA	Water	PrecSep_0	
160-54800-44	24061963-045	Total/NA	Water	PrecSep_0	
MB 160-672518/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-672518/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Tracer/Carrier Summary

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

Job ID: 160-54800-1
SDG: 24061963

Method: 903.0 - Radium-226 (GFPC)

Matrix: Water **Prep Type: Total/NA**

		Percent Yield (Acceptance Limits)						
Lab Sample ID	Client Sample ID	Ba (30-110)						
160-54800-1	24061963-001	92.1						
160-54800-2	24061963-002	93.5						
160-54800-2 DU	24061963-002	92.3						
160-54800-3	24061963-003	87.3						
160-54800-4	24061963-004	63.3						
160-54800-5	24061963-005	93.8						
160-54800-6	24061963-006	94.3						
160-54800-8	24061963-008	89.6						
160-54800-9	24061963-009	92.3						
160-54800-10	24061963-010	88.1						
160-54800-11	24061963-011	86.4						
160-54800-12	24061963-012	90.8						
160-54800-13	24061963-013	91.1						
160-54800-14	24061963-014	78.7						
160-54800-15	24061963-015	94.5						
160-54800-16	24061963-016	88.6						
160-54800-17	24061963-017	88.3						
160-54800-18	24061963-018	81.6						
160-54800-19	24061963-019	93.3						
160-54800-20	24061963-020	84.4						
160-54800-20 DU	24061963-020	87.3						
160-54800-21	24061963-021	89.1						
160-54800-22	24061963-022	82.6						
160-54800-23	24061963-023	83.6						
160-54800-24	24061963-024	87.3						
160-54800-25	24061963-025	91.3						
160-54800-26	24061963-026	85.4						
160-54800-27	24061963-027	94.0						
160-54800-28	24061963-028	97.0						
160-54800-29	24061963-029	97.0						
160-54800-30	24061963-030	89.8						
160-54800-31	24061963-031	95.0						
160-54800-32	24061963-032	89.3						
160-54800-33	24061963-033	75.2						
160-54800-34	24061963-034	89.6						
160-54800-35	24061963-035	92.3						
160-54800-36	24061963-036	94.5						
160-54800-37	24061963-037	83.9						
160-54800-38	24061963-038	95.8						
160-54800-39	24061963-039	95.8						
160-54800-40	24061963-040	86.6						
160-54800-41	24061963-041	87.1						
160-54800-42	24061963-042	88.1						
160-54800-43	24061963-043	91.6						
160-54800-44	24061963-045	84.1						
LCS 160-672314/2-A	Lab Control Sample	96.8						
LCS 160-672316/2-A	Lab Control Sample	93.1						
LCS 160-672514/2-A	Lab Control Sample	99.3						
MB 160-672314/1-A	Method Blank	91.6						

Tracer/Carrier Summary

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

Job ID: 160-54800-1
SDG: 24061963

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

Matrix: Water — **Prep Type: Total/NA**

Lab Sample ID	Client Sample ID	Percent Yield (Acceptance Limits) Ba (30-110)
MB 160-672316/1-A	Method Blank	96.0
MB 160-672514/1-A	Method Blank	95.0

Tracer/Carrier Legend

Ba = Ba Carrier

Method: 904.0 - Radium-228 (GFPC)

Matrix: Water — **Prep Type: Total/NA**

Lab Sample ID	Client Sample ID	Percent Yield (Acceptance Limits) Ba (30-110)	Y (30-110)
160-54800-1	24061963-001	92.1	82.2
160-54800-2	24061963-002	93.5	76.3
160-54800-2 DU	24061963-002	92.3	81.9
160-54800-3	24061963-003	87.3	79.6
160-54800-4	24061963-004	63.3	77.4
160-54800-5	24061963-005	93.8	82.2
160-54800-6	24061963-006	94.3	77.0
160-54800-8	24061963-008	89.6	79.3
160-54800-9	24061963-009	92.3	80.0
160-54800-10	24061963-010	88.1	77.8
160-54800-11	24061963-011	86.4	80.4
160-54800-12	24061963-012	90.8	80.7
160-54800-13	24061963-013	91.1	78.5
160-54800-14	24061963-014	78.7	79.3
160-54800-15	24061963-015	94.5	81.5
160-54800-16	24061963-016	88.6	79.6
160-54800-17	24061963-017	88.3	81.9
160-54800-18	24061963-018	81.6	79.3
160-54800-19	24061963-019	93.3	81.5
160-54800-20	24061963-020	84.4	74.0
160-54800-20 DU	24061963-020	87.3	77.4
160-54800-21	24061963-021	89.1	77.8
160-54800-22	24061963-022	82.6	79.6
160-54800-23	24061963-023	83.6	78.9
160-54800-24	24061963-024	87.3	80.4
160-54800-25	24061963-025	91.3	83.0
160-54800-26	24061963-026	85.4	81.1
160-54800-27	24061963-027	94.0	84.1
160-54800-28	24061963-028	97.0	81.9
160-54800-29	24061963-029	97.0	80.7
160-54800-30	24061963-030	89.8	80.7
160-54800-31	24061963-031	95.0	77.0
160-54800-32	24061963-032	89.3	76.3
160-54800-33	24061963-033	75.2	81.9
160-54800-34	24061963-034	89.6	83.0
160-54800-35	24061963-035	92.3	83.7
160-54800-36	24061963-036	94.5	81.5
160-54800-37	24061963-037	83.9	81.1
160-54800-38	24061963-038	95.8	82.2

Tracer/Carrier Summary

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

Job ID: 160-54800-1
SDG: 24061963

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

Matrix: Water **Prep Type: Total/NA**

		Percent Yield (Acceptance Limits)	
Lab Sample ID	Client Sample ID	Ba (30-110)	Y (30-110)
160-54800-39	24061963-039	95.8	83.7
160-54800-40	24061963-040	86.6	80.7
160-54800-41	24061963-041	87.1	80.4
160-54800-42	24061963-042	88.1	81.5
160-54800-43	24061963-043	91.6	79.3
160-54800-44	24061963-045	84.1	82.2
LCS 160-672315/2-A	Lab Control Sample	96.8	81.9
LCS 160-672317/2-A	Lab Control Sample	93.1	82.2
LCS 160-672518/2-A	Lab Control Sample	99.3	82.2
MB 160-672315/1-A	Method Blank	91.6	80.4
MB 160-672317/1-A	Method Blank	96.0	85.6
MB 160-672518/1-A	Method Blank	95.0	84.5

Tracer/Carrier Legend

Ba = Ba Carrier
Y = Y Carrier

Site Samping Event: BAL- 24Q3
LIMS Workorder: 24061962
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Summary
Baldwin- 3Q 2024

			Weather				Well Condition				
WO Sample	Well ID	Program/ Sample Type	Temp (°F)	Precipitation	Wind Direction	Sky	Well Pad	Casing	Protective Cover	Reference Mark/ ID	Well Locked
001	MW-104DR	Groundwater Sample	77.0	None	S	Cloudy	Good	Good	Good	Yes	Yes
002	MW-104SR	Groundwater Sample	78.0	None	S	Cloudy	Good	Good	Good	Yes	Yes
003	MW-150	Groundwater Sample	78.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
004	MW-151	Groundwater Sample	79.0	None	SW	Clear	Good	Good	Good	Yes	Yes
005	MW-152	Groundwater Sample	74.0	None	SW	Clear	Good	Good	Good	Yes	Yes
006	MW-153	Groundwater Sample	66.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
007	MW-154	Groundwater Sample	68.0	None	SW	Clear	Good	Good	Good	Yes	Yes
008	MW-155	Groundwater Sample	80.0	None	S	Cloudy	Good	Good	Good	Yes	Yes
009	MW-192	Groundwater Sample	78.0	None	S	Cloudy	Good	Good	Good	Yes	Yes
010	MW-193	Groundwater Sample	74.0	None	SE	Partly cloudy	Good	Good	Good	Yes	Yes
011	MW-195	Groundwater Sample	70.0	None	S	Clear	Good	Good	Good	No	No
012	MW-196	Groundwater Sample	79.0	None	N	Cloudy	Good	Good	Good	No	No
013	MW-197	Groundwater Sample	71.0	None	S	Clear	Good	Good	Good	No	No
014	MW-252	Groundwater Sample	76.0	None	SW	Clear	Good	Good	Good	Yes	Yes
015	MW-253R	Groundwater Sample	69.0	None	S	Clear	Good	Good	Good	Yes	Yes
016	MW-304	Groundwater Sample	76.0	None	S	Cloudy	Good	Good	Good	Yes	Yes
017	MW-350R	Groundwater Sample	79.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
018	MW-352	Groundwater Sample	77.0	None	SW	Clear	Good	Good	Good	Yes	Yes
019	MW-355	Groundwater Sample	82.0	None	S	Cloudy	Good	Good	Good	Yes	Yes
020	MW-356	Groundwater Sample	71.0	None	SW	Clear	Good	Good	Good	Yes	Yes
021	MW-358	Groundwater Sample	72.0	None	SW	Clear	Good	Good	Good	Yes	Yes
022	MW-366	Groundwater Sample	76.0	None	SW	Clear	Good	Good	Good	Yes	Yes
023	MW-369	Groundwater Sample	73.0	None	SW	Partly cloudy	Good	Good	Good	Yes	Yes
024	MW-370	Groundwater Sample	73.0	None	SW	Partly cloudy	Good	Good	Good	Yes	Yes
025	MW-375	Groundwater Sample	74.0	None	SW	Partly cloudy	Good	Good	Good	Yes	Yes
026	MW-377	Groundwater Sample	76.0	None	SW	Partly cloudy	Good	Good	Good	Yes	Yes
027	MW-382	Groundwater Sample	74.0	None	SW	Partly cloudy	Good	Good	Good	Yes	Yes
028	MW-383	Groundwater Sample	79.0	None	SE	Cloudy	Good	Good	Good	Yes	Yes
029	MW-384	Groundwater Sample	81.0	None	SE	Cloudy	Good	Good	Good	Yes	Yes
030	MW-390	Groundwater Sample	84.0	None	SE	Cloudy	Good	Good	Good	Yes	Yes
031	MW-391	Groundwater Sample	78.0	None	SW	Clear	Good	Good	Good	Yes	Yes
032	MW-392	Groundwater Sample	78.0	None	S	Cloudy	Good	Good	Good	Yes	Yes
033	MW-393	Groundwater Sample	76.0	None	SE	Cloudy	Good	Good	Good	Yes	Yes
034	MW-394	Groundwater Sample	77.0	None	SE	Cloudy	Good	Good	Good	Yes	Yes
035	OW-156	Stabilization Data Only	77.0	None	SE	Cloudy	Good	Good	Good	Yes	Yes
036	OW-157	Stabilization Data Only	78.0	None	SE	Cloudy	Good	Good	Good	Yes	Yes

Site Samping Event: BAL- 24Q3
LIMS Workorder: 24061962
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Summary
Baldwin- 3Q 2024

			Weather				Well Condition				
WO Sample	Well ID	Program/ Sample Type	Temp (°F)	Precipitation	Wind Direction	Sky	Well Pad	Casing	Protective Cover	Reference Mark/ ID	Well Locked
037	OW-256	Groundwater Sample	84.0	None	SE	Cloudy	Good	Good	Good	Yes	Yes
038	OW-257	Groundwater Sample	79.0	None	SE	Cloudy	Good	Good	Good	Yes	Yes
039	PZ-170	Groundwater Sample	82.0	None	SE	Partly cloudy	Good	Good	Good	Yes	Yes
040	PZ-182	Groundwater Sample	80.0	None	SE	Cloudy	Good	Good	Good	Yes	Yes
041	TPZ-164	Groundwater Sample	81.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
042	XPW01	Groundwater Sample	79.0	None	S	Cloudy	Good	Good	Good	Yes	Yes
043	XPW05	Groundwater Sample	80.0	None	S	Cloudy	Good	Good	Good	Yes	Yes
044	XPW06	Groundwater Sample	78.0	None	S	Clear	Good	Good	Good	Yes	Yes
045	Field Blank	QA/QC Sample	79.0	None	N	Cloudy					
046	MW-304 Duplicate	QA/QC Sample	76.0	None	S	Cloudy	Good	Good	Good	Yes	Yes
047	Equipment Blank 1	QA/QC Sample	79.0	None	N	Cloudy					
048	PZ-174	Groundwater Sample	80.0	None	SE	Clear	Good	Good	Good	Yes	Yes
049	PZ-176	Groundwater Sample	77.0	None	S	Clear	Good	Good	Good	Yes	Yes
050	PZ-178	Groundwater Sample	75.0	None	S	Clear	Good	Good	Good	Yes	Yes
052	PZ-178 Duplicate	Groundwater Sample	75.0	None	S	Clear	Good	Good	Good	Yes	Yes

Site Samping Event: BAL- 24Q3
LIMS Workorder: 24061962
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Summary
Baldwin- 3Q 2024

		GW Level Measurement				Purge Activities							
WO Sample	Well ID	Sampler Initials	Date/Time	DTW (ft)	DTB (ft)	Sampler Initials	Purge Date	Purge Start Time	Purge End Time	Purging/Sampling Device	Well Diameter (in)	Actual Volume Purged (L)	Purge Rate (mL/min)
001	MW-104DR	TAC	7/17/24 10:24	8.10	31.50	TAC	7/17/2024	11:47	12:07	Dedicated Bladder Pump	2"	8.0	400.0
002	MW-104SR	TAC	7/17/24 12:17	8.49	18.00	TAC	7/17/2024	12:17	12:33	Dedicated Bladder Pump	2"	4.0	250.0
003	MW-150	JC	7/18/24 12:40	16.50	27.90	JC	7/18/2024	12:40	12:57	Dedicated Bladder Pump	2"	3.0	176.5
004	MW-151	BG	7/18/24 12:54	7.11	19.00	BG	7/18/2024	12:54	13:32	Dedicated Bladder Pump	2"	3.0	78.9
005	MW-152	BG	7/18/24 10:23	6.37	20.00	BG	7/18/2024	10:23	10:44	Dedicated Bladder Pump	2"	3.0	142.9
006	MW-153	JC	7/18/24 8:15	10.98	23.40	JC	7/18/2024	08:15	08:36	Dedicated Bladder Pump	2"	5.0	238.1
007	MW-154	bg	7/19/24 9:43	6.66	15.40	BG	7/19/2024	00:09	10:01	Peristaltic Pump	2"	1.5	2.5
008	MW-155	JC	7/23/24 11:11	17.86	23.40	JC	7/23/2024	11:12	11:28	Dedicated Bladder Pump	2"	3.0	187.5
009	MW-192	TAC	7/17/24 13:49	8.14	32.91	TAC	7/17/2024	13:51	14:12	Dedicated Bladder Pump	2"	4.5	214.3
010	MW-193	JC	7/17/24 7:59	9.19	35.54	JC	7/17/2024	08:00	08:26	Dedicated Bladder Pump	2"	5.0	192.3
011	MW-195	JC	7/19/24 9:10	37.39	52.62	JC	7/19/2024	09:17	09:43	Submersible Pump	2"	8.0	307.7
012	MW-196	JC	7/23/24 10:12	8.42	21.25	JC	7/23/2024	10:13	10:34	Peristaltic Pump	2"	6.0	285.7
013	MW-197	JC	7/19/24 9:57	4.56	20.66	JC	7/19/2024	09:59	10:24	Peristaltic Pump	2"	5.0	200.0
014	MW-252	BG	7/18/24 10:47	3.23	52.30	BG	7/18/2024	10:47	11:18	Peristaltic Pump	2"	5.0	161.3
015	MW-253R	JC	7/18/24 8:40	18.20	38.49	JC	7/18/2024	08:58	09:24	Dedicated Bladder Pump	2"	4.0	153.8
016	MW-304	TAC	7/17/24 9:56	9.01	57.50	TAC	7/17/2024	09:56	10:20	Dedicated Bladder Pump	2"	2.0	83.3
017	MW-350R	JC	7/18/24 12:59	25.98	50.16	JC	7/18/2024	13:24	13:48	Dedicated Bladder Pump	2"	3.5	145.8
018	MW-352	BG	7/18/24 11:23	2.62	75.70	BG	7/18/2024	11:23	12:01	Dedicated Bladder Pump	2"	4.5	118.4
019	MW-355	JC	7/23/24 11:27	20.15	35.40	JC	7/23/2024	11:35	11:53	Dedicated Bladder Pump	2"	3.0	166.7
020	MW-356	BG	7/18/24 9:19	4.98	68.40	BG	7/18/2024	09:19	09:55	Dedicated Bladder Pump	2"	4.0	111.1
021	MW-358	JC	7/18/24 10:03	2.16	92.14	JC	7/18/2024	10:05	11:10	Dedicated Bladder Pump	2"	12.0	184.6
022	MW-366	JC	7/18/24 11:50	13.52	54.50	JC	7/18/2024	11:50	12:06	Dedicated Bladder Pump	2"	3.0	187.5
023	MW-369	TAC	7/18/24 9:25	11.27	68.20	TAC	7/18/2024	09:31	09:56	Dedicated Bladder Pump	2"	4.6	184.0
024	MW-370	TAC	7/18/24 10:34	18.32	65.20	TAC	7/18/2024	10:34	10:51	Dedicated Bladder Pump	2"	3.0	176.5
025	MW-375	TAC	7/18/24 13:01	33.37	69.50	TAC	7/18/2024	13:01	13:23	Dedicated Bladder Pump	2"	3.0	136.4
026	MW-377	TAC	7/18/24 14:18	6.54	7.72	TAC	7/18/2024	14:18	14:41	Dedicated Bladder Pump	2"	4.5	195.7
027	MW-382	TAC	7/18/24 11:36	16.13	68.50	TAC	7/18/2024	11:36	12:04	Dedicated Bladder Pump	2"	4.5	160.7
028	MW-383	JC	7/17/24 10:23	36.09	70.30	JC	7/17/2024	10:25	11:15	Dedicated Bladder Pump	2"	9.0	180.0
029	MW-384	JC	7/17/24 11:49	23.40	72.70	JC	7/17/2024	11:50	12:11	Dedicated Bladder Pump	2"	3.5	166.7
030	MW-390	JC	7/17/24 13:04	12.53	67.10	JC	7/17/2024	13:05	13:32	Dedicated Bladder Pump	2"	5.0	185.2
031	MW-391	BG	7/19/24 10:39	66.31	72.40	BG	7/19/2024	10:39	11:05	Dedicated Bladder Pump	2"	1.5	57.7
032	MW-392	TAC	7/17/24 12:59	8.79	86.96	TAC	7/17/2024	13:00	13:23	Dedicated Bladder Pump	2"	4.0	173.9
033	MW-393	JC	7/17/24 8:43	8.20	88.27	JC	7/17/2024	08:52	09:08	Dedicated Bladder Pump	2"	3.0	187.5
034	MW-394	JC	7/17/24 9:40	10.52	85.78	JC	7/17/2024	09:40	09:54	Dedicated Bladder Pump	2"	3.0	214.3
035	OW-156	BG	7/17/24 9:27	6.31	20.40	BG	7/17/2024	09:27	09:31	Bailer	2"	2.0	500.0
036	OW-157	BG	7/17/24 9:47	7.88	20.40	BG	7/17/2024	09:47	09:55	Bailer	2"	2.0	250.0

Site Samping Event: BAL- 24Q3
LIMS Workorder: 24061962
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Summary
Baldwin- 3Q 2024

		GW Level Measurement				Purge Activities							
WO Sample	Well ID	Sampler Initials	Date/Time	DTW (ft)	DTB (ft)	Sampler Initials	Purge Date	Purge Start Time	Purge End Time	Purging/Sampling Device	Well Diameter (in)	Actual Volume Purged (L)	Purge Rate (mL/min)
037	OW-256	BG	7/17/24 13:43	7.62	35.60	BG	7/17/2024	13:43	14:06	Peristaltic Pump	2"	3.0	130.4
038	OW-257	BG	7/17/24 10:05	6.24	41.90	BG	7/17/2024	10:05	10:33	Peristaltic Pump	2"	5.0	178.6
039	PZ-170	BG	7/17/24 12:00	15.18	34.00	BG	7/17/2024	12:00	12:25	Peristaltic Pump	2"	3.0	120.0
040	PZ-182	BG	7/17/24 10:52	16.73	37.10	BG	7/17/2024	10:52	11:38	Peristaltic Pump	2"	2.0	43.5
041	TPZ-164	JC	7/22/24 12:56	4.31	12.90	JC	7/22/2024	12:57	13:13	Peristaltic Pump	2"	3.0	187.5
042	XPW01	JC	7/22/24 11:44	6.57	14.53	JC	7/22/2024	11:44	12:03	Dedicated Bladder Pump	2"	3.0	157.9
043	XPW05	JC	7/22/24 12:23	5.15	31.15	JC	7/22/2024	12:23	12:42	Dedicated Bladder Pump	2"	3.5	184.2
044	XPW06	JC	7/22/24 11:14	2.47	9.66	JC	7/22/2024	11:15	11:27	Dedicated Bladder Pump	2"	2.5	208.3
045	Field Blank	-	-	-	-	-	-	-	-			-	-
046	MW-304 Duplicate	TAC	7/17/24 9:56	9.01	57.50	TAC	7/17/2024	09:56	10:20	Dedicated Bladder Pump	2"	2.0	83.3
047	Equipment Blank 1	-	-	-	-	-	-	-	-			-	-
048	PZ-174	BG	7/18/24 14:28	7.24	27.84	BG	7/18/2024	14:28	15:01	Peristaltic Pump	2"	4.5	136.4
049	PZ-176	JC	7/22/24 10:35	11.45	31.43	JC	7/22/2024	10:38	10:56	Peristaltic Pump	2"	4.0	222.2
050	PZ-178	JC	7/22/24 9:52	6.34	45.71	JC	7/22/2024	09:56	10:12	Peristaltic Pump	2"	3.0	187.5
052	PZ-178 Duplicate	JC	7/22/24 9:52	6.34	45.71	JC	7/22/2024	09:56	10:12	Peristaltic Pump	2"	3.0	187.5

Site Samping Event: BAL- 24Q3
LIMS Workorder: 24061962
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Summary
Baldwin- 3Q 2024

		Sampling Activities and Observations										
WO Sample	Well ID	Sampler Initials	Date	Time	Sampling Method	Instrument ID	Field Filtered	Appearance	Odor	Color	Post-Sample DTW (ft)	Drawdown (ft)
001	MW-104DR	TAC	07/17/24	12:07	Low Flow	218083	Yes	Clear	None	None	8.72	0.62
002	MW-104SR	TAC	07/17/24	12:33	Low Flow	218083	Yes	Clear	None	None	10.35	1.86
003	MW-150	JC	07/18/24	12:57	Low Flow	51294	Yes	Clear	None	none	16.81	0.31
004	MW-151	BG	07/18/24	13:32	Low Flow	45720	Yes	Clear	None	CLEAR	9.76	2.65
005	MW-152	BG	07/18/24	10:44	Low Flow	45720	Yes	Clear	None	CLEAR	7.45	1.08
006	MW-153	JC	07/18/24	08:36	Low Flow	51294	Yes	Slightly cloudy	None	none	11.91	0.93
007	MW-154	BG	07/19/24	10:01	Low Flow	45720	Yes	Clear	None	CLEAR	7.56	0.9
008	MW-155	JC	07/23/24	11:28	Low Flow	51294	Yes	Clear	None	none	18.53	0.67
009	MW-192	TAC	07/17/24	14:12	Low Flow	218083	No	Clear	None	None	16.29	8.15
010	MW-193	JC	07/17/24	08:26	Low Flow	51294	No	Clear	None	none	9.20	0.01
011	MW-195	JC	07/19/24	09:43	Low Flow	51294	Yes	Clear	None	none	37.85	0.46
012	MW-196	JC	07/23/24	10:34	Low Flow	51294	Yes	Clear	None	none	13.08	4.66
013	MW-197	JC	07/19/24	10:24	Low Flow	51294	Yes	Clear	None	none	10.04	5.48
014	MW-252	BG	07/18/24	11:18	Low Flow	45720	Yes	Clear	None	CLEAR	3.98	0.75
015	MW-253R	JC	07/18/24	09:24	Low Flow	51294	Yes	Clear	None	none	22.68	4.48
016	MW-304	TAC	07/17/24	10:20	Low Flow	218083	Yes	Clear	None	None	11.91	2.9
017	MW-350R	JC	07/18/24	13:48	Low Flow	51294	Yes	Clear	None	none	29.35	3.37
018	MW-352	BG	07/18/24	12:01	Low Flow	45720	Yes	Clear	None	CLEAR	3.21	0.59
019	MW-355	JC	07/23/24	11:53	Low Flow	51294	Yes	Clear	None	none	20.20	0.05
020	MW-356	BG	07/18/24	09:55	Low Flow	45720	No	Clear	Moderate	CLEAR	5.31	0.33
021	MW-358	JC	07/18/24	11:10	Low Flow	51294	No	Clear	Slight	none	5.34	3.18
022	MW-366	JC	07/18/24	12:06	Low Flow	51294	No	Clear	None	none	16.14	2.62
023	MW-369	TAC	07/18/24	09:56	Low Flow	218083	No	Clear	Slight	None	16.77	5.5
024	MW-370	TAC	07/18/24	10:51	Low Flow	218083	No	Clear	None	None	22.59	4.27
025	MW-375	TAC	07/18/24	13:23	Low Flow	218083	No	Clear	None	None	37.64	4.27
026	MW-377	TAC	07/18/24	14:41	Low Flow	218083	No	Clear	None	None	11.51	4.97
027	MW-382	TAC	07/18/24	12:04	Low Flow	218083	No	Cloudy	None	None	22.08	5.95
028	MW-383	JC	07/17/24	11:15	Low Flow	51294	No	Clear	None	none	36.09	0
029	MW-384	JC	07/17/24	12:11	Low Flow	51294	No	Clear	None	none	23.40	23.4
030	MW-390	JC	07/17/24	13:32	Low Flow	51294	No	Clear	None	none	12.68	0.15
031	MW-391	BG	07/19/24	11:05	Low Flow	45720	Yes	Clear	None	cLEAR	67.21	0.9
032	MW-392	TAC	07/17/24	13:23	Low Flow	218083	No	Clear	None	None	14.45	5.66
033	MW-393	JC	07/17/24	09:08	Low Flow	51294	No	Clear	Slight	none	8.20	0
034	MW-394	JC	07/17/24	09:54	Low Flow	51294	No	Clear	Slight	none	10.87	0.35
035	OW-156	BG	07/17/24	09:31	Bailer Purge	45720	No	Clear	None	CLEAR	6.39	0.08
036	OW-157	BG	07/17/24	09:55	Bailer Purge	45720	No	Clear	None	clear	7.89	0.01

Site Samping Event: BAL- 24Q3
LIMS Workorder: 24061962
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Summary
Baldwin- 3Q 2024

		Sampling Activities and Observations										
WO Sample	Well ID	Sampler Initials	Date	Time	Sampling Method	Instrument ID	Field Filtered	Appearance	Odor	Color	Post-Sample DTW (ft)	Drawdown (ft)
037	OW-256	BG	07/17/24	14:06	Low Flow	45720	No	Clear	None	CLEAR	8.36	0.74
038	OW-257	BG	07/17/24	10:33	Low Flow	45720	No	Clear	None	CLEAR	6.44	0.2
039	PZ-170	BG	07/17/24	12:25	Low Flow	45720	No	Clear	Moderate	CLEAR	16.05	0.87
040	PZ-182	BG	07/17/24	11:38	Low Flow	45720	No	Clear	Slight	CLRAR	17.12	0.39
041	TPZ-164	JC	07/22/24	13:13	Low Flow	51294	No	Clear	None	none	4.87	0.56
042	XPW01	JC	07/22/24	12:03	Low Flow	51294	No	Clear	None	none	9.58	3.01
043	XPW05	JC	07/22/24	12:42	Low Flow	51294	No	Clear	Slight	none	5.15	0
044	XPW06	JC	07/22/24	11:27	Low Flow	51294	No	Clear	None	none	2.87	0.4
045	Field Blank	JC	07/23/24	12:04		-	No	Clear	None	None	-	-
046	MW-304 Duplicate	TAC	07/17/24	10:20	Low Flow	218083	Yes	Clear	None	None	11.91	2.9
047	Equipment Blank 1	JC	07/23/24	12:11		-	No	Clear	None	None	-	-
048	PZ-174	BG	07/18/24	15:01	Low Flow	0	Yes	Clear	None	CLEAR	7.77	0.53
049	PZ-176	JC	07/22/24	10:56	Low Flow	51294	Yes	Clear	None	none	12.58	1.13
050	PZ-178	JC	07/22/24	10:12	Low Flow	51294	Yes	Clear	None	none	7.31	0.97
052	PZ-178 Duplicate	JC	07/22/24	10:12	Low Flow	51294	Yes	Clear	None	none	7.31	0.97

Site Sampling Event: BAL- 24Q3
LIMS Workorder: 24061962
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Summary
Baldwin- 3Q 2024

WO Sample	Well ID	COMMENTS
001	MW-104DR	
002	MW-104SR	
003	MW-150	
004	MW-151	
005	MW-152	
006	MW-153	
007	MW-154	
008	MW-155	
009	MW-192	
010	MW-193	
011	MW-195	
012	MW-196	
013	MW-197	
014	MW-252	
015	MW-253R	
016	MW-304	
017	MW-350R	
018	MW-352	
019	MW-355	
020	MW-356	
021	MW-358	
022	MW-366	
023	MW-369	
024	MW-370	
025	MW-375	
026	MW-377	
027	MW-382	
028	MW-383	
029	MW-384	
030	MW-390	
031	MW-391	
032	MW-392	
033	MW-393	
034	MW-394	
035	OW-156	
036	OW-157	

Site Samping Event: BAL- 24Q3
LIMS Workorder: 24061962
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Summary
Baldwin- 3Q 2024

WO Sample	Well ID	COMMENTS
037	OW-256	
038	OW-257	
039	PZ-170	
040	PZ-182	
041	TPZ-164	
042	XPW01	
043	XPW05	
044	XPW06	
045	Field Blank	
046	MW-304 Duplicate	
047	Equipment Blank 1	
048	PZ-174	
049	PZ-176	
050	PZ-178	
052	PZ-178 Duplicate	

Site Samping Event: BAL- 24Q3
LIMS Workorder: 24061962
Technician(s): DC, JC, TC, BG, PY

Stabilized Field Parameters Summary
Baldwin- 3Q 2024

Well ID	Date	Time	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	DTW (ft)	LIMS ID
MW-104DR	7/17/2024	12:07	16.8	62.2	6.90	901.2	0.31	26.87	90.0	8.10	24061962-001A
MW-104SR	7/17/2024	12:33	18.5	65.3	6.64	1,134.3	0.20	38.09	-139.3	8.49	24061962-002A
MW-150	7/18/2024	12:57	16.0	60.9	7.28	2,063.4	0.49	3.81	-61.2	16.50	24061962-003A
MW-151	7/18/2024	13:32	15.9	60.6	7.01	1,029.4	1.00	6.04	4.3	7.11	24061962-004A
MW-152	7/18/2024	10:44	16.2	61.1	7.07	1,263.1	1.29	6.98	87.1	6.37	24061962-005A
MW-153	7/18/2024	8:36	15.6	60.1	7.26	635.2	1.10	114.36	-42.3	10.98	24061962-006A
MW-154	7/19/2024	10:01	17.3	63.1	7.15	666.8	2.85	8.93	74.5	6.66	24061962-007A
MW-155	7/23/2024	11:28	17.9	64.2	7.14	838.0	1.15	11.90	28.4	17.86	24061962-008A
MW-192	7/17/2024	14:12	18.9	66.0	6.75	701.7	0.16	109.48	-109.7	8.14	24061962-009A
MW-193	7/17/2024	8:26	18.8	65.8	6.96	940.2	0.45	16.81	-38.6	9.19	24061962-010A
MW-195	7/19/2024	9:43	16.7	62.1	7.40	590.7	0.51	10.39	-48.3	37.39	24061962-011A
MW-196	7/23/2024	10:34	20.3	68.5	7.18	1,345.7	1.75	24.05	-17.6	8.42	24061962-012A
MW-197	7/19/2024	10:24	20.6	69.0	7.17	1,116.8	4.12	1.98	0.9	4.56	24061962-013A
MW-252	7/18/2024	11:18	18.5	65.4	6.91	1,579.3	2.34	33.20	-60.7	3.23	24061962-014A
MW-253R	7/18/2024	9:24	15.8	60.4	7.08	1,653.1	0.47	4.91	-78.0	18.20	24061962-015A
MW-304	7/17/2024	10:20	18.6	65.5	7.70	2,239.6	0.39	13.57	-22.1	9.01	24061962-016A
MW-350R	7/18/2024	13:48	18.2	64.8	7.69	818.5	0.48	16.52	-86.6	25.98	24061962-017A
MW-352	7/18/2024	12:01	17.2	62.9	7.74	1,997.7	4.60	2.04	-43.4	2.62	24061962-018A
MW-355	7/23/2024	11:53	17.2	63.0	7.19	870.3	0.82	2.75	-10.7	20.15	24061962-019A
MW-356	7/18/2024	9:55	17.4	63.3	7.90	1,040.7	1.90	18.31	46.5	4.98	24061962-020A
MW-358	7/18/2024	11:10	17.8	64.0	7.60	1,118.0	0.00	787.38	-223.9	2.16	24061962-021A
MW-366	7/18/2024	12:06	17.6	63.6	6.90	1,967.3	0.17	11.66	-23.7	13.52	24061962-022A
MW-369	7/18/2024	9:56	16.8	62.2	7.61	1,587.4	0.16	48.67	-238.7	11.27	24061962-023A
MW-370	7/18/2024	10:51	16.9	62.4	7.51	5,438.6	0.27	6.81	-48.7	18.32	24061962-024A
MW-375	7/18/2024	13:23	15.7	60.3	7.69	1,483.5	0.22	22.63	-209.4	33.37	24061962-025A
MW-377	7/18/2024	14:41	17.0	62.6	7.04	1,049.1	0.40	26.28	-22.8	6.54	24061962-026A
MW-382	7/18/2024	12:04	17.0	62.6	7.62	1,665.4	0.22	123.36	-45.1	16.13	24061962-027A
MW-383	7/17/2024	11:15	19.7	67.5	7.71	1,482.7	0.08	48.61	-80.9	36.09	24061962-028A
MW-384	7/17/2024	12:11	19.8	67.6	8.31	2,857.4	0.18	9.63	-4.5	23.40	24061962-029A
MW-390	7/17/2024	13:32	18.3	64.9	7.47	2,317.5	0.05	15.29	-93.9	12.53	24061962-030A
MW-391	7/19/2024	11:05	18.8	65.8	7.76	1,246.5	5.67	92.66	91.2	66.31	24061962-031A
MW-392	7/17/2024	13:23	19.7	67.4	7.66	3,310.6	0.49	37.72	-150.8	8.79	24061962-032A
MW-393	7/17/2024	9:08	19.3	66.7	8.41	4,314.7	0.11	17.40	-141.4	8.20	24061962-033A
MW-394	7/17/2024	9:54	18.9	66.0	8.26	4,280.7	0.04	9.94	-279.2	10.52	24061962-034A
OW-156	7/17/2024	9:31	22.3	72.1	6.71	788.4	4.94	20.81	134.2	6.31	24061962-035A
OW-157	7/17/2024	9:55	21.2	70.2	6.43	3,699.5	2.35	2.96	79.9	7.88	24061962-036A
OW-256	7/17/2024	14:06	18.6	65.5	7.05	825.0	1.36	2.57	24.3	7.62	24061962-037A
OW-257	7/17/2024	10:33	18.6	65.4	6.87	1,101.5	4.30	2.90	112.8	6.24	24061962-038A
PZ-170	7/17/2024	12:25	18.3	65.0	6.74	1,627.7	0.97	1.70	-121.6	15.18	24061962-039A
PZ-182	7/17/2024	11:38	28.2	82.7	6.78	777.0	3.16	16.94	-49.4	16.73	24061962-040A
TPZ-164	7/22/2024	13:13	21.0	69.8	7.39	887.9	0.15	6.08	-179.7	4.31	24061962-041A
XPW01	7/22/2024	12:03	19.1	66.3	7.18	646.1	0.13	5.53	-67.8	6.57	24061962-042A

Site Samping Event: BAL- 24Q3
LIMS Workorder: 24061962
Technician(s): DC, JC, TC, BG, PY

Stabilized Field Parameters Summary
Baldwin- 3Q 2024

Well ID	Date	Time	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	DTW (ft)	LIMS ID
XPW05	7/22/2024	12:42	22.6	72.7	7.21	853.3	0.55	10.92	-97.0	5.15	24061962-043A
XPW06	7/22/2024	11:27	21.4	70.6	7.35	814.5	0.09	2.82	-71.4	2.47	24061962-044A
Field Blank	7/23/2024	12:04	QA/QC Sample							-	24061962-045A
MW-304 Duplicate	7/17/2024	10:20	18.6	65.5	7.70	2,239.6	0.39	13.57	-22.1	9.01	24061962-046A
Equipment Blank 1	7/23/2024	12:11	QA/QC Sample							-	24061962-047A
PZ-174	7/18/2024	15:01	17.7	63.9	7.22	1,473.6	3.74	38.65	79.5	7.24	24061962-048A
PZ-176	7/22/2024	10:56	17.4	63.4	7.02	1,133.8	0.42	53.71	56.8	11.45	24061962-049A
PZ-178	7/22/2024	10:12	21.0	69.7	7.04	1,272.3	0.53	69.99	11.6	6.34	24061962-050A
PZ-178 Duplicate	7/22/2024	10:12	21.0	69.7	7.04	1,272.3	0.53	69.99	11.6	6.34	24061962-052A

Site Samping Event: BAL- 24Q3
LIMS Workorder: 24061962
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groudnwater Quality Parameters
Baldwin- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-104DR	7/17/2024	11:55	8.10	17.0	62.6	6.86	905.8	0.70	6.88	92.5
MW-104DR	7/17/2024	11:58	8.10	16.9	62.4	6.87	905.4	0.50	10.38	92.7
MW-104DR	7/17/2024	12:01	8.10	16.8	62.3	6.87	904.1	0.40	13.79	92.3
MW-104DR	7/17/2024	12:04	8.10	16.8	62.2	6.88	900.7	0.34	17.81	91.3
MW-104DR	7/17/2024	12:07	8.10	16.8	62.2	6.90	901.2	0.31	26.87	90.0

Site Samping Event: BAL- 24Q3
LIMS Workorder: 24061962
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groudnwater Quality Parameters
Baldwin- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-104SR	7/17/2024	12:24	8.49	17.9	64.2	6.65	1,137.0	0.39	8.08	-138.4
MW-104SR	7/17/2024	12:27	8.49	18.1	64.5	6.64	1,133.8	0.27	18.73	-140.8
MW-104SR	7/17/2024	12:30	8.49	18.3	64.9	6.64	1,134.9	0.22	27.39	-141.2
MW-104SR	7/17/2024	12:33	8.49	18.5	65.3	6.64	1,134.3	0.20	38.09	-139.3

Site Samping Event: BAL- 24Q3
LIMS Workorder: 24061962
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groudnwater Quality Parameters
Baldwin- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-150	7/18/2024	12:45	16.50	17.4	63.3	7.31	2,097.4	0.92	9.14	-78.6
MW-150	7/18/2024	12:48	16.50	16.8	62.2	7.29	2,084.4	0.49	6.08	-76.2
MW-150	7/18/2024	12:51	16.50	16.4	61.4	7.29	2,075.2	0.48	4.72	-70.6
MW-150	7/18/2024	12:54	16.50	16.3	61.4	7.28	2,066.2	0.50	4.11	-65.4
MW-150	7/18/2024	12:57	16.50	16.0	60.9	7.28	2,063.4	0.49	3.81	-61.2

Site Samping Event: BAL- 24Q3
LIMS Workorder: 24061962
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groudnwater Quality Parameters
Baldwin- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-151	7/18/2024	13:14	7.11	16.3	61.3	7.09	952.6	1.19	24.10	-9.2
MW-151	7/18/2024	13:17	7.11	16.3	61.3	7.07	977.5	1.15	18.72	-5.2
MW-151	7/18/2024	13:20	7.11	16.3	61.3	7.05	1,000.8	1.12	11.70	-2.1
MW-151	7/18/2024	13:23	7.11	16.2	61.1	7.04	1,014.9	1.09	11.50	0.0
MW-151	7/18/2024	13:26	7.11	16.0	60.9	7.03	1,022.1	1.06	8.84	1.5
MW-151	7/18/2024	13:29	7.11	16.0	60.7	7.02	1,025.9	1.03	8.31	2.9
MW-151	7/18/2024	13:32	7.11	15.9	60.6	7.01	1,029.4	1.00	6.04	4.3

Site Samping Event: BAL- 24Q3
LIMS Workorder: 24061962
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groudnwater Quality Parameters
Baldwin- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-152	7/18/2024	10:35	6.37	16.2	61.2	7.13	1,264.3	1.63	7.91	87.5
MW-152	7/18/2024	10:38	6.37	16.2	61.1	7.10	1,263.0	1.49	8.45	87.6
MW-152	7/18/2024	10:41	6.37	16.2	61.2	7.08	1,262.4	1.38	7.66	87.5
MW-152	7/18/2024	10:44	6.37	16.2	61.1	7.07	1,263.1	1.29	6.98	87.1

Site Samping Event: BAL- 24Q3
LIMS Workorder: 24061962
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groudnwater Quality Parameters
Baldwin- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-153	7/18/2024	8:27	10.98	15.7	60.2	7.29	648.7	1.04	123.22	-49.1
MW-153	7/18/2024	8:30	10.98	15.7	60.2	7.27	635.4	1.00	118.85	-46.8
MW-153	7/18/2024	8:33	10.98	15.6	60.1	7.27	634.0	1.03	118.13	-44.5
MW-153	7/18/2024	8:36	10.98	15.6	60.1	7.26	635.2	1.10	114.36	-42.3

Site Samping Event: BAL- 24Q3
LIMS Workorder: 24061962
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groudnwater Quality Parameters
Baldwin- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-154	7/19/2024	9:49	6.66	16.7	62.1	7.70	715.1	5.22	9.99	74.3
MW-154	7/19/2024	9:52	6.66	17.1	62.8	7.40	680.4	4.26	9.79	73.4
MW-154	7/19/2024	9:55	6.66	17.1	62.8	7.27	669.1	3.61	9.47	73.7
MW-154	7/19/2024	9:58	6.66	17.3	63.1	7.20	666.5	3.14	9.06	74.2
MW-154	7/19/2024	10:01	6.66	17.3	63.1	7.15	666.8	2.85	8.93	74.5

Site Samping Event: BAL- 24Q3
LIMS Workorder: 24061962
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groudnwater Quality Parameters
Baldwin- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-155	7/23/2024	11:16	17.86	17.9	64.3	7.22	849.5	2.86	54.09	35.4
MW-155	7/23/2024	11:19	17.86	17.8	64.0	7.18	839.7	1.49	29.56	32.1
MW-155	7/23/2024	11:22	17.86	17.7	63.9	7.16	838.1	1.22	22.39	30.4
MW-155	7/23/2024	11:25	17.86	17.8	64.0	7.15	837.4	1.16	19.15	29.4
MW-155	7/23/2024	11:28	17.86	17.9	64.2	7.14	838.0	1.15	11.90	28.4

Site Samping Event: BAL- 24Q3
LIMS Workorder: 24061962
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groudnwater Quality Parameters
Baldwin- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-192	7/17/2024	14:00	8.14	19.1	66.3	6.75	705.6	0.25	29.04	-113.2
MW-192	7/17/2024	14:03	8.14	19.0	66.2	6.75	703.8	0.21	47.52	-113.1
MW-192	7/17/2024	14:06	8.14	19.0	66.1	6.75	704.0	0.18	65.38	-112.6
MW-192	7/17/2024	14:09	8.14	18.9	66.1	6.75	702.4	0.17	87.34	-112.2
MW-192	7/17/2024	14:12	8.14	18.9	66.0	6.75	701.7	0.16	109.48	-109.7

Site Samping Event: BAL- 24Q3
LIMS Workorder: 24061962
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groudnwater Quality Parameters
Baldwin- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-193	7/17/2024	8:08	9.19	19.5	67.0	7.00	944.6	0.61	53.12	-44.8
MW-193	7/17/2024	8:11	9.19	19.3	66.7	6.97	941.8	0.53	42.82	-44.8
MW-193	7/17/2024	8:14	9.19	19.2	66.6	6.97	940.6	0.50	33.34	-43.9
MW-193	7/17/2024	8:17	9.19	19.1	66.3	6.97	941.8	0.43	25.86	-42.9
MW-193	7/17/2024	8:20	9.19	19.0	66.2	6.97	940.6	0.45	19.89	-41.6
MW-193	7/17/2024	8:23	9.19	18.8	65.9	6.96	940.2	0.36	19.05	-40.2
MW-193	7/17/2024	8:26	9.19	18.8	65.8	6.96	940.2	0.45	16.81	-38.6

Site Samping Event: BAL- 24Q3
LIMS Workorder: 24061962
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groudnwater Quality Parameters
Baldwin- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-195	7/19/2024	9:22	37.39	16.1	60.9	7.40	589.1	1.18	44.39	-5.9
MW-195	7/19/2024	9:25	37.39	16.6	61.8	7.40	589.6	1.03	35.76	-19.3
MW-195	7/19/2024	9:28	37.39	16.5	61.7	7.40	590.5	0.92	30.38	-32.2
MW-195	7/19/2024	9:31	37.39	16.7	62.0	7.41	591.3	0.87	24.11	-37.7
MW-195	7/19/2024	9:34	37.39	16.7	62.1	7.41	591.3	0.77	22.56	-41.9
MW-195	7/19/2024	9:37	37.39	16.6	61.9	7.41	590.4	0.65	16.26	-45.1
MW-195	7/19/2024	9:40	37.39	16.7	62.0	7.41	590.5	0.56	13.00	-47.6
MW-195	7/19/2024	9:43	37.39	16.7	62.1	7.40	590.7	0.51	10.39	-48.3

Site Samping Event: BAL- 24Q3
LIMS Workorder: 24061962
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groudnwater Quality Parameters
Baldwin- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-196	7/23/2024	10:16	8.42	18.8	65.9	7.22	1,342.8	3.51	14.20	-17.1
MW-196	7/23/2024	10:19	8.42	18.7	65.6	7.18	1,335.4	2.87	13.73	-22.4
MW-196	7/23/2024	10:22	8.42	19.3	66.8	7.16	1,332.4	2.39	14.71	-23.1
MW-196	7/23/2024	10:25	8.42	19.5	67.2	7.20	1,332.0	2.12	41.40	-22.8
MW-196	7/23/2024	10:28	8.42	20.3	68.6	7.20	1,335.7	1.98	39.72	-21.9
MW-196	7/23/2024	10:31	8.42	20.1	68.2	7.19	1,339.8	1.84	29.31	-19.8
MW-196	7/23/2024	10:34	8.42	20.3	68.5	7.18	1,345.7	1.75	24.05	-17.6

Site Samping Event: BAL- 24Q3
LIMS Workorder: 24061962
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groudnwater Quality Parameters
Baldwin- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-197	7/19/2024	10:03	4.56	19.3	66.7	7.12	1,110.8	5.19	8.65	-16.4
MW-197	7/19/2024	10:06	4.56	19.5	67.0	7.13	1,113.1	4.94	8.23	-16.0
MW-197	7/19/2024	10:09	4.56	19.5	67.1	7.14	1,112.6	4.74	6.79	-13.3
MW-197	7/19/2024	10:12	4.56	19.8	67.6	7.14	1,113.3	4.55	4.74	-10.7
MW-197	7/19/2024	10:15	4.56	20.0	68.0	7.14	1,113.7	4.41	3.50	-7.9
MW-197	7/19/2024	10:18	4.56	20.4	68.8	7.15	1,114.3	4.28	2.99	-5.2
MW-197	7/19/2024	10:21	4.56	20.5	69.0	7.16	1,116.9	4.20	2.45	-2.2
MW-197	7/19/2024	10:24	4.56	20.6	69.0	7.17	1,116.8	4.12	1.98	0.9

Site Samping Event: BAL- 24Q3
LIMS Workorder: 24061962
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groudnwater Quality Parameters
Baldwin- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-252	7/18/2024	11:09	3.23	18.6	65.4	6.92	1,581.0	2.39	23.14	-54.6
MW-252	7/18/2024	11:12	3.23	18.2	64.8	6.92	1,581.8	2.36	23.43	-56.8
MW-252	7/18/2024	11:15	3.23	18.3	64.9	6.91	1,580.6	2.37	32.58	-59.0
MW-252	7/18/2024	11:18	3.23	18.5	65.4	6.91	1,579.3	2.34	33.20	-60.7

Site Samping Event: BAL- 24Q3
LIMS Workorder: 24061962
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groudnwater Quality Parameters
Baldwin- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-253R	7/18/2024	9:06	18.20	15.6	60.1	7.06	1,739.1	0.35	13.12	-82.9
MW-253R	7/18/2024	9:09	18.20	15.7	60.2	7.06	1,715.6	0.38	30.09	-89.6
MW-253R	7/18/2024	9:12	18.20	15.8	60.4	7.06	1,701.1	0.39	36.89	-93.5
MW-253R	7/18/2024	9:15	18.20	15.8	60.5	7.07	1,680.2	0.42	20.48	-91.4
MW-253R	7/18/2024	9:18	18.20	15.8	60.4	7.07	1,667.6	0.43	5.89	-87.0
MW-253R	7/18/2024	9:21	18.20	15.8	60.4	7.07	1,660.0	0.44	10.08	-82.3
MW-253R	7/18/2024	9:24	18.20	15.8	60.4	7.08	1,653.1	0.47	4.91	-78.0

Site Samping Event: BAL- 24Q3
LIMS Workorder: 24061962
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groudnwater Quality Parameters
Baldwin- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-304	7/17/2024	10:08	9.01	18.9	65.9	7.66	2,253.1	0.72	5.00	-87.9
MW-304	7/17/2024	10:11	9.01	18.7	65.7	7.69	2,247.9	0.58	6.97	-63.9
MW-304	7/17/2024	10:14	9.01	18.7	65.7	7.70	2,244.7	0.48	8.29	-45.9
MW-304	7/17/2024	10:17	9.01	18.7	65.7	7.71	2,241.0	0.42	11.08	-32.4
MW-304	7/17/2024	10:20	9.01	18.6	65.5	7.70	2,239.6	0.39	13.57	-22.1

Site Samping Event: BAL- 24Q3
LIMS Workorder: 24061962
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groudnwater Quality Parameters
Baldwin- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-350R	7/18/2024	13:33	25.98	18.0	64.5	7.73	764.7	2.46	9.20	-33.2
MW-350R	7/18/2024	13:36	25.98	18.0	64.5	7.71	798.5	1.59	13.13	-53.1
MW-350R	7/18/2024	13:39	25.98	18.0	64.4	7.70	814.8	0.79	14.77	-67.7
MW-350R	7/18/2024	13:42	25.98	18.1	64.5	7.70	817.3	0.55	16.77	-76.6
MW-350R	7/18/2024	13:45	25.98	18.2	64.8	7.69	817.5	0.50	17.32	-82.3
MW-350R	7/18/2024	13:48	25.98	18.2	64.8	7.69	818.5	0.48	16.52	-86.6

Site Samping Event: BAL- 24Q3
LIMS Workorder: 24061962
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groudnwater Quality Parameters
Baldwin- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-352	7/18/2024	11:49	2.62	18.0	64.4	7.71	2,008.3	3.36	3.78	-43.9
MW-352	7/18/2024	11:52	2.62	17.2	62.9	7.72	2,001.3	3.65	9.76	-45.6
MW-352	7/18/2024	11:55	2.62	17.1	62.8	7.73	1,997.0	4.01	15.39	-45.4
MW-352	7/18/2024	11:58	2.62	17.1	62.7	7.74	1,994.2	4.30	4.19	-44.1
MW-352	7/18/2024	12:01	2.62	17.2	62.9	7.74	1,997.7	4.60	2.04	-43.4

Site Samping Event: BAL- 24Q3
LIMS Workorder: 24061962
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groudnwater Quality Parameters
Baldwin- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-355	7/23/2024	11:41	20.15	17.1	62.9	7.26	879.1	1.77	3.44	-34.0
MW-355	7/23/2024	11:44	20.15	17.1	62.8	7.24	872.1	1.15	2.90	-24.3
MW-355	7/23/2024	11:47	20.15	17.0	62.7	7.21	870.5	0.98	2.64	-16.5
MW-355	7/23/2024	11:50	20.15	17.2	62.9	7.19	870.0	0.88	2.59	-12.8
MW-355	7/23/2024	11:53	20.15	17.2	63.0	7.19	870.3	0.82	2.75	-10.7

Site Samping Event: BAL- 24Q3
LIMS Workorder: 24061962
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groudnwater Quality Parameters
Baldwin- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-356	7/18/2024	9:28	4.98	17.7	63.9	8.05	1,116.4	2.93	8.78	36.3
MW-356	7/18/2024	9:31	4.98	17.7	63.9	8.01	1,081.6	2.70	10.37	37.8
MW-356	7/18/2024	9:34	4.98	17.6	63.7	7.98	1,061.7	2.57	14.34	39.4
MW-356	7/18/2024	9:37	4.98	17.5	63.6	7.96	1,047.9	2.51	15.61	40.9
MW-356	7/18/2024	9:40	4.98	17.6	63.6	7.94	1,043.4	2.45	24.84	42.3
MW-356	7/18/2024	9:43	4.98	17.5	63.6	7.93	1,041.5	2.37	14.66	43.3
MW-356	7/18/2024	9:46	4.98	17.4	63.4	7.93	1,042.0	2.23	15.69	44.0
MW-356	7/18/2024	9:49	4.98	17.5	63.4	7.92	1,039.8	2.12	21.24	44.7
MW-356	7/18/2024	9:52	4.98	17.4	63.2	7.91	1,040.8	2.01	16.15	46.0
MW-356	7/18/2024	9:55	4.98	17.4	63.3	7.90	1,040.7	1.90	18.31	46.5

Site Samping Event: BAL- 24Q3
LIMS Workorder: 24061962
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groudnwater Quality Parameters
Baldwin- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-358	7/18/2024	10:16	2.16	18.8	65.8	8.31	4,014.1	0.09	216.76	-128.4
MW-358	7/18/2024	10:19	2.16	18.7	65.7	8.34	3,665.8	0.06	366.04	-142.8
MW-358	7/18/2024	10:22	2.16	18.6	65.4	8.37	3,356.6	0.04	680.22	-151.1
MW-358	7/18/2024	10:25	2.16	18.6	65.5	8.40	3,066.2	0.04	751.17	-157.7
MW-358	7/18/2024	10:28	2.16	18.4	65.1	8.41	2,759.1	0.02	935.50	-162.7
MW-358	7/18/2024	10:31	2.16	18.5	65.2	8.39	2,495.3	0.01	790.55	-167.9
MW-358	7/18/2024	10:34	2.16	18.3	65.0	8.21	2,114.6	0.01	1265.73	-170.6
MW-358	7/18/2024	10:37	2.16	18.2	64.7	7.94	1,701.3	0.00	1457.08	-177.5
MW-358	7/18/2024	10:40	2.16	18.2	64.7	7.79	1,429.0	0.01	1534.46	-189.1
MW-358	7/18/2024	10:43	2.16	*Tubing disconnected from flow cell (attempt to clear sediment)*						
MW-358	7/18/2024	10:46	2.16	18.3	64.9	7.65	1,238.6	0.71	18.00	-163.8
MW-358	7/18/2024	10:49	2.16	18.0	64.5	7.63	1,212.4	0.12	54.87	-185.1
MW-358	7/18/2024	10:52	2.16	18.0	64.4	7.63	1,189.8	0.05	129.42	-195.9
MW-358	7/18/2024	10:55	2.16	18.0	64.3	7.62	1,179.6	0.03	246.17	-203.1
MW-358	7/18/2024	10:58	2.16	17.9	64.1	7.62	1,158.1	0.02	378.73	-208.5
MW-358	7/18/2024	11:01	2.16	17.9	64.3	7.62	1,155.4	0.01	500.58	-213.5
MW-358	7/18/2024	11:04	2.16	17.9	64.2	7.61	1,149.2	0.01	638.25	-216.8
MW-358	7/18/2024	11:07	2.16	17.8	64.0	7.61	1,131.3	0.00	727.38	-220.8
MW-358	7/18/2024	11:10	2.16	17.8	64.0	7.60	1,118.0	0.00	787.38	-223.9

Site Samping Event: BAL- 24Q3
LIMS Workorder: 24061962
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groudnwater Quality Parameters
Baldwin- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-366	7/18/2024	11:57	13.52	17.9	64.1	6.91	1,962.3	0.89	8.16	-26.8
MW-366	7/18/2024	12:00	13.52	17.7	63.9	6.92	1,967.6	0.39	8.34	-25.3
MW-366	7/18/2024	12:03	13.52	17.7	63.9	6.90	1,965.3	0.23	10.72	-24.5
MW-366	7/18/2024	12:06	13.52	17.6	63.6	6.90	1,967.3	0.17	11.66	-23.7

Site Samping Event: BAL- 24Q3
LIMS Workorder: 24061962
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groudnwater Quality Parameters
Baldwin- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-369	7/18/2024	9:38	11.27	16.9	62.5	7.70	2,704.5	0.35	33.82	-239.8
MW-369	7/18/2024	9:41	11.27	16.9	62.4	7.93	2,470.8	0.26	41.23	-261.9
MW-369	7/18/2024	9:44	11.27	16.9	62.4	8.15	2,238.5	0.22	46.80	-271.3
MW-369	7/18/2024	9:47	11.27	16.9	62.4	8.29	2,077.7	0.19	43.25	-270.3
MW-369	7/18/2024	9:50	11.27	16.8	62.3	8.34	1,943.0	0.18	45.81	-265.6
MW-369	7/18/2024	9:53	11.27	16.8	62.2	8.19	1,816.1	0.17	46.27	-257.2
MW-369	7/18/2024	9:56	11.27	16.8	62.2	7.61	1,587.4	0.16	48.67	-238.7

Site Samping Event: BAL- 24Q3
LIMS Workorder: 24061962
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groudnwater Quality Parameters
Baldwin- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-370	7/18/2024	10:42	18.32	17.0	62.6	7.54	5,528.0	0.49	2.68	-44.6
MW-370	7/18/2024	10:45	18.32	16.9	62.5	7.53	5,520.1	0.35	4.10	-47.1
MW-370	7/18/2024	10:48	18.32	16.9	62.4	7.53	5,509.8	0.30	5.78	-48.4
MW-370	7/18/2024	10:51	18.32	16.9	62.4	7.51	5,438.6	0.27	6.81	-48.7

Site Samping Event: BAL- 24Q3
LIMS Workorder: 24061962
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groudnwater Quality Parameters
Baldwin- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-375	7/18/2024	13:08	33.37	16.1	61.0	7.58	1,638.8	0.71	4.63	-214.3
MW-375	7/18/2024	13:11	33.37	15.9	60.6	7.61	1,594.5	0.55	6.59	-234.9
MW-375	7/18/2024	13:14	33.37	15.8	60.4	7.64	1,558.8	0.33	12.92	-237.5
MW-375	7/18/2024	13:17	33.37	15.8	60.4	7.67	1,527.0	0.27	14.69	-232.3
MW-375	7/18/2024	13:20	33.37	15.8	60.4	7.68	1,502.3	0.24	21.19	-221.3
MW-375	7/18/2024	13:23	33.37	15.7	60.3	7.69	1,483.5	0.22	22.63	-209.4

Site Samping Event: BAL- 24Q3
LIMS Workorder: 24061962
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groudnwater Quality Parameters
Baldwin- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-377	7/18/2024	14:29	6.54	17.2	62.9	7.05	1,059.1	0.29	6.07	-38.0
MW-377	7/18/2024	14:32	6.54	17.2	62.9	7.05	1,056.9	0.25	7.84	-34.7
MW-377	7/18/2024	14:35	6.54	17.0	62.7	7.05	1,054.7	0.24	14.60	-30.8
MW-377	7/18/2024	14:38	6.54	17.1	62.8	7.05	1,051.1	0.29	27.92	-26.9
MW-377	7/18/2024	14:41	6.54	17.0	62.6	7.04	1,049.1	0.40	26.28	-22.8

Site Samping Event: BAL- 24Q3
LIMS Workorder: 24061962
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groudnwater Quality Parameters
Baldwin- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-382	7/18/2024	11:49	16.13	17.0	62.6	7.71	1,728.3	0.33	56.59	-72.8
MW-382	7/18/2024	11:52	16.13	17.0	62.7	7.67	1,704.6	0.28	83.49	-63.4
MW-382	7/18/2024	11:55	16.13	17.1	62.8	7.65	1,681.5	0.25	114.17	-56.4
MW-382	7/18/2024	11:58	16.13	17.0	62.6	7.63	1,675.5	0.23	121.50	-51.3
MW-382	7/18/2024	12:01	16.13	17.0	62.6	7.62	1,667.7	0.23	131.31	-47.7
MW-382	7/18/2024	12:04	16.13	17.0	62.6	7.62	1,665.4	0.22	123.36	-45.1

Site Samping Event: BAL- 24Q3
LIMS Workorder: 24061962
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groudnwater Quality Parameters
Baldwin- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-383	7/17/2024	10:30	36.09	19.8	67.7	7.93	1,504.5	1.29	2.72	-84.6
MW-383	7/17/2024	10:33	36.09	19.7	67.4	7.88	1,521.5	0.46	4.81	-82.5
MW-383	7/17/2024	10:36	36.09	19.6	67.3	7.85	1,519.9	0.24	6.27	-81.6
MW-383	7/17/2024	10:39	36.09	19.6	67.3	7.84	1,517.0	0.18	20.43	-81.4
MW-383	7/17/2024	10:42	36.09	19.6	67.2	7.83	1,514.3	0.15	58.52	-81.4
MW-383	7/17/2024	10:45	36.09	19.5	67.1	7.81	1,510.1	0.13	89.67	-81.3
MW-383	7/17/2024	10:48	36.09	19.5	67.2	7.79	1,504.3	0.12	120.91	-81.0
MW-383	7/17/2024	10:51	36.09	19.6	67.2	7.78	1,498.6	0.11	185.27	-80.5
MW-383	7/17/2024	10:54	36.09	19.6	67.2	7.75	1,498.6	0.18	62.34	-79.5
MW-383	7/17/2024	10:57	36.09	19.6	67.3	7.75	1,496.7	0.11	73.29	-79.1
MW-383	7/17/2024	11:00	36.09	19.7	67.5	7.74	1,495.1	0.10	53.73	-78.8
MW-383	7/17/2024	11:03	36.09	19.8	67.6	7.74	1,492.6	0.09	55.29	-78.4
MW-383	7/17/2024	11:06	36.09	19.7	67.5	7.73	1,490.3	0.09	72.56	-77.9
MW-383	7/17/2024	11:09	36.09	19.8	67.6	7.72	1,486.7	0.08	63.67	-77.4
MW-383	7/17/2024	11:12	36.09	19.8	67.6	7.72	1,481.8	0.08	48.17	-77.9
MW-383	7/17/2024	11:15	36.09	19.7	67.5	7.71	1,482.7	0.08	48.61	-80.9

Site Samping Event: BAL- 24Q3
LIMS Workorder: 24061962
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groudnwater Quality Parameters
Baldwin- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-384	7/17/2024	11:59	23.40	20.3	68.6	8.24	2,846.7	0.95	8.73	0.0
MW-384	7/17/2024	12:02	23.40	20.2	68.3	8.30	2,859.3	0.40	8.25	-1.2
MW-384	7/17/2024	12:05	23.40	20.1	68.1	8.31	2,856.0	0.28	7.37	-2.3
MW-384	7/17/2024	12:08	23.40	20.0	67.9	8.31	2,860.8	0.22	7.37	-3.5
MW-384	7/17/2024	12:11	23.40	19.8	67.6	8.31	2,857.4	0.18	9.63	-4.5

Site Samping Event: BAL- 24Q3
LIMS Workorder: 24061962
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groudnwater Quality Parameters
Baldwin- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-390	7/17/2024	13:11	12.53	18.8	65.8	7.44	2,884.5	0.47	10.23	-74.8
MW-390	7/17/2024	13:14	12.53	18.4	65.2	7.61	3,819.7	0.26	25.10	-88.5
MW-390	7/17/2024	13:17	12.53	18.4	65.1	7.63	3,863.9	0.19	21.47	-98.2
MW-390	7/17/2024	13:20	12.53	18.4	65.0	7.60	3,661.0	0.13	11.10	-101.5
MW-390	7/17/2024	13:23	12.53	18.3	64.9	7.56	3,317.1	0.09	19.29	-100.0
MW-390	7/17/2024	13:26	12.53	18.3	65.0	7.51	2,945.6	0.08	11.78	-97.6
MW-390	7/17/2024	13:29	12.53	18.5	65.2	7.48	2,636.8	0.06	16.68	-95.6
MW-390	7/17/2024	13:32	12.53	18.3	64.9	7.47	2,317.5	0.05	15.29	-93.9

Site Samping Event: BAL- 24Q3
LIMS Workorder: 24061962
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groudnwater Quality Parameters
Baldwin- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-391	7/19/2024	10:53	66.31	18.9	66.0	7.89	1,332.0	5.24	64.78	87.6
MW-391	7/19/2024	10:56	66.31	19.0	66.2	7.84	1,276.0	5.34	74.45	89.0
MW-391	7/19/2024	10:59	66.31	19.0	66.2	7.80	1,254.6	5.48	77.74	90.0
MW-391	7/19/2024	11:02	66.31	19.0	66.3	7.78	1,248.7	5.63	83.87	90.7
MW-391	7/19/2024	11:05	66.31	18.8	65.8	7.76	1,246.5	5.67	92.66	91.2

Site Samping Event: BAL- 24Q3
LIMS Workorder: 24061962
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groudnwater Quality Parameters
Baldwin- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-392	7/17/2024	13:11	8.79	20.0	68.0	7.65	3,317.1	0.66	16.48	-161.5
MW-392	7/17/2024	13:14	8.79	19.8	67.7	7.66	3,314.8	0.58	20.93	-156.8
MW-392	7/17/2024	13:17	8.79	19.8	67.6	7.66	3,315.2	0.53	26.83	-153.8
MW-392	7/17/2024	13:20	8.79	19.7	67.5	7.66	3,312.0	0.50	30.29	-151.9
MW-392	7/17/2024	13:23	8.79	19.7	67.4	7.66	3,310.6	0.49	37.72	-150.8

Site Samping Event: BAL- 24Q3
LIMS Workorder: 24061962
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groudnwater Quality Parameters
Baldwin- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-393	7/17/2024	8:59	8.20	19.4	67.0	8.37	4,153.2	0.62	5.97	-108.9
MW-393	7/17/2024	9:02	8.20	19.3	66.8	8.40	4,276.8	0.27	6.80	-123.3
MW-393	7/17/2024	9:05	8.20	19.3	66.8	8.41	4,308.0	0.15	14.81	-133.2
MW-393	7/17/2024	9:08	8.20	19.3	66.7	8.41	4,314.7	0.11	17.40	-141.4

Site Samping Event: BAL- 24Q3
LIMS Workorder: 24061962
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groudnwater Quality Parameters
Baldwin- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-394	7/17/2024	9:45	10.52	19.1	66.4	8.11	4,207.9	0.67	4.76	-125.6
MW-394	7/17/2024	9:48	10.52	19.1	66.5	8.14	4,423.4	0.24	6.00	-173.8
MW-394	7/17/2024	9:51	10.52	19.0	66.3	8.18	4,378.4	0.10	7.58	-231.2
MW-394	7/17/2024	9:54	10.52	18.9	66.0	8.26	4,280.7	0.04	9.94	-279.2

Site Samping Event: BAL- 24Q3
LIMS Workorder: 24061962
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groudnwater Quality Parameters
Baldwin- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
OW-156	7/17/2024	9:28	6.31	21.9	71.5	6.80	785.2	5.59	31.60	129.0
OW-156	7/17/2024	9:31	6.31	22.3	72.1	6.71	788.4	4.94	20.81	134.2

Site Samping Event: BAL- 24Q3
LIMS Workorder: 24061962
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groudnwater Quality Parameters
Baldwin- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
OW-157	7/17/2024	9:52	7.88	20.7	69.2	6.51	3,670.7	2.77	3.53	82.1
OW-157	7/17/2024	9:55	7.88	21.2	70.2	6.43	3,699.5	2.35	2.96	79.9

Site Samping Event: BAL- 24Q3
LIMS Workorder: 24061962
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groudnwater Quality Parameters
Baldwin- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
OW-256	7/17/2024	13:54	7.62	18.9	66.0	7.23	823.3	2.05	5.82	25.3
OW-256	7/17/2024	13:57	7.62	19.0	66.2	7.13	827.6	1.79	4.54	26.7
OW-256	7/17/2024	14:00	7.62	18.7	65.7	7.09	825.7	1.61	2.98	25.9
OW-256	7/17/2024	14:03	7.62	18.7	65.7	7.07	825.1	1.47	2.99	25.1
OW-256	7/17/2024	14:06	7.62	18.6	65.5	7.05	825.0	1.36	2.57	24.3

Site Samping Event: BAL- 24Q3
LIMS Workorder: 24061962
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groudnwater Quality Parameters
Baldwin- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
OW-257	7/17/2024	10:18	6.24	18.8	65.8	6.91	1,105.8	4.31	4.99	111.0
OW-257	7/17/2024	10:21	6.24	18.8	65.8	6.90	1,104.5	4.52	3.95	111.8
OW-257	7/17/2024	10:24	6.24	18.7	65.7	6.89	1,104.3	4.56	3.61	112.4
OW-257	7/17/2024	10:27	6.24	18.6	65.6	6.88	1,104.0	4.32	3.20	112.7
OW-257	7/17/2024	10:30	6.24	18.5	65.4	6.87	1,102.9	4.18	3.19	112.7
OW-257	7/17/2024	10:33	6.24	18.6	65.4	6.87	1,101.5	4.30	2.90	112.8

Site Samping Event: BAL- 24Q3
LIMS Workorder: 24061962
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groudnwater Quality Parameters
Baldwin- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
PZ-170	7/17/2024	12:13	15.18	18.4	65.2	6.88	1,595.0	1.21	2.92	-112.6
PZ-170	7/17/2024	12:16	15.18	19.0	66.2	6.77	1,599.8	1.11	2.02	-120.3
PZ-170	7/17/2024	12:19	15.18	19.0	66.1	6.75	1,597.9	1.04	1.73	-122.0
PZ-170	7/17/2024	12:22	15.18	18.5	65.3	6.75	1,615.1	1.00	1.80	-122.1
PZ-170	7/17/2024	12:25	15.18	18.3	65.0	6.74	1,627.7	0.97	1.70	-121.6

Site Samping Event: BAL- 24Q3
LIMS Workorder: 24061962
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groudnwater Quality Parameters
Baldwin- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
PZ-182	7/17/2024	11:20	16.73	24.7	76.5	6.79	774.4	3.41	13.73	-61.2
PZ-182	7/17/2024	11:23	16.73	25.5	77.8	6.78	774.6	3.36	14.45	-60.6
PZ-182	7/17/2024	11:26	16.73	26.0	78.7	6.78	776.0	3.35	15.83	-59.5
PZ-182	7/17/2024	11:29	16.73	26.6	79.9	6.77	774.4	3.31	15.48	-58.1
PZ-182	7/17/2024	11:32	16.73	27.1	80.8	6.77	778.7	3.30	16.42	-56.5
PZ-182	7/17/2024	11:35	16.73	27.8	82.0	6.77	776.8	3.29	16.55	-54.0
PZ-182	7/17/2024	11:38	16.73	28.2	82.7	6.78	777.0	3.16	16.94	-49.4

Site Samping Event: BAL- 24Q3
LIMS Workorder: 24061962
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groudnwater Quality Parameters
Baldwin- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
TPZ-164	7/22/2024	13:01	4.31	21.4	70.5	7.50	865.9	0.30	72.89	-207.8
TPZ-164	7/22/2024	13:04	4.31	20.5	68.9	7.44	877.4	0.20	33.15	-201.6
TPZ-164	7/22/2024	13:07	4.31	20.4	68.6	7.42	883.6	0.16	17.19	-192.2
TPZ-164	7/22/2024	13:10	4.31	20.3	68.5	7.41	886.9	0.15	9.05	-184.8
TPZ-164	7/22/2024	13:13	4.31	21.0	69.8	7.39	887.9	0.15	6.08	-179.7

Site Samping Event: BAL- 24Q3
LIMS Workorder: 24061962
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groudnwater Quality Parameters
Baldwin- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
XPW01	7/22/2024	11:51	6.57	19.0	66.2	7.24	630.8	0.32	72.17	-60.4
XPW01	7/22/2024	11:54	6.57	18.9	66.1	7.22	633.3	0.24	37.36	-63.4
XPW01	7/22/2024	11:57	6.57	19.0	66.2	7.20	640.4	0.19	17.48	-65.1
XPW01	7/22/2024	12:00	6.57	19.0	66.2	7.18	645.3	0.16	7.89	-66.7
XPW01	7/22/2024	12:03	6.57	19.1	66.3	7.18	646.1	0.13	5.53	-67.8

Site Samping Event: BAL- 24Q3
LIMS Workorder: 24061962
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groudnwater Quality Parameters
Baldwin- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
XPW05	7/22/2024	12:30	5.15	22.4	72.4	7.06	948.4	1.84	14.18	-66.6
XPW05	7/22/2024	12:33	5.15	22.3	72.1	7.12	898.7	1.02	12.72	-79.3
XPW05	7/22/2024	12:36	5.15	22.3	72.2	7.17	869.9	0.78	11.68	-87.0
XPW05	7/22/2024	12:39	5.15	22.5	72.5	7.20	857.8	0.66	10.45	-92.4
XPW05	7/22/2024	12:42	5.15	22.6	72.7	7.21	853.3	0.55	10.92	-97.0

Site Samping Event: BAL- 24Q3
LIMS Workorder: 24061962
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groudnwater Quality Parameters
Baldwin- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
XPW06	7/22/2024	11:18	2.47	20.7	69.2	7.34	836.8	0.26	10.39	-76.2
XPW06	7/22/2024	11:21	2.47	20.9	69.7	7.36	778.4	0.15	6.25	-79.3
XPW06	7/22/2024	11:24	2.47	21.2	70.2	7.35	786.1	0.11	3.71	-75.0
XPW06	7/22/2024	11:27	2.47	21.4	70.6	7.35	814.5	0.09	2.82	-71.4

Site Samping Event: BAL- 24Q3
LIMS Workorder: 24061962
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groudnwater Quality Parameters
Baldwin- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
Field Blank	7/23/2024	12:04	-	QA/QC Sample						

Site Samping Event: BAL- 24Q3
LIMS Workorder: 24061962
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groudnwater Quality Parameters
Baldwin- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-304 Duplicate	7/17/2024	10:08	9.01	18.9	65.9	7.66	2,253.1	0.72	5.00	-87.9
MW-304 Duplicate	7/17/2024	10:11	9.01	18.7	65.7	7.69	2,247.9	0.58	6.97	-63.9
MW-304 Duplicate	7/17/2024	10:14	9.01	18.7	65.7	7.70	2,244.7	0.48	8.29	-45.9
MW-304 Duplicate	7/17/2024	10:17	9.01	18.7	65.7	7.71	2,241.0	0.42	11.08	-32.4
MW-304 Duplicate	7/17/2024	10:20	9.01	18.6	65.5	7.70	2,239.6	0.39	13.57	-22.1

Site Samping Event: BAL- 24Q3
LIMS Workorder: 24061962
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groudnwater Quality Parameters
Baldwin- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
Equipment Blank 1	7/23/2024	12:11	-	QA/QC Sample						

Site Samping Event: BAL- 24Q3
LIMS Workorder: 24061962
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groudnwater Quality Parameters
Baldwin- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
PZ-174	7/18/2024	14:52	7.24	17.9	64.3	7.25	1,473.6	3.93	31.32	76.5
PZ-174	7/18/2024	14:55	7.24	17.7	63.9	7.24	1,472.7	3.87	34.83	77.7
PZ-174	7/18/2024	14:58	7.24	17.7	63.9	7.23	1,471.1	3.77	35.58	78.7
PZ-174	7/18/2024	15:01	7.24	17.7	63.9	7.22	1,473.6	3.74	38.65	79.5

Site Samping Event: BAL- 24Q3
LIMS Workorder: 24061962
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groudnwater Quality Parameters
Baldwin- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
PZ-176	7/22/2024	10:41	11.45	18.0	64.5	7.08	1,143.1	1.09	57.18	59.2
PZ-176	7/22/2024	10:44	11.45	16.6	61.8	7.05	1,139.3	0.76	64.73	58.9
PZ-176	7/22/2024	10:47	11.45	16.8	62.3	7.03	1,138.1	0.58	57.12	58.4
PZ-176	7/22/2024	10:50	11.45	16.7	62.0	7.03	1,139.5	0.50	80.22	57.8
PZ-176	7/22/2024	10:53	11.45	16.9	62.4	7.02	1,139.7	0.45	53.31	57.4
PZ-176	7/22/2024	10:56	11.45	17.4	63.4	7.02	1,133.8	0.42	53.71	56.8

Site Samping Event: BAL- 24Q3
LIMS Workorder: 24061962
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groudnwater Quality Parameters
Baldwin- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
PZ-178	7/22/2024	10:00	6.34	19.0	66.3	7.04	1,256.8	0.67	68.82	11.8
PZ-178	7/22/2024	10:03	6.34	20.5	68.9	7.02	1,261.7	0.55	139.70	6.5
PZ-178	7/22/2024	10:06	6.34	19.9	67.7	7.04	1,267.9	0.55	72.21	6.9
PZ-178	7/22/2024	10:09	6.34	20.2	68.4	7.04	1,268.9	0.55	89.43	9.2
PZ-178	7/22/2024	10:12	6.34	21.0	69.7	7.04	1,272.3	0.53	69.99	11.6

Site Samping Event: BAL- 24Q3
LIMS Workorder: 24061962
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groudnwater Quality Parameters
Baldwin- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
PZ-178 Duplicate	7/22/2024	10:00	6.34	19.0	66.3	7.04	1,256.8	0.67	68.82	11.8
PZ-178 Duplicate	7/22/2024	10:03	6.34	20.5	68.9	7.02	1,261.7	0.55	139.70	6.5
PZ-178 Duplicate	7/22/2024	10:06	6.34	19.9	67.7	7.04	1,267.9	0.55	72.21	6.9
PZ-178 Duplicate	7/22/2024	10:09	6.34	20.2	68.4	7.04	1,268.9	0.55	89.43	9.2
PZ-178 Duplicate	7/22/2024	10:12	6.34	21.0	69.7	7.04	1,272.3	0.53	69.99	11.6

Site Samping Event: BAL- 24Q3
LIMS Workorder: 24061962
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
Baldwin- 3Q 2024

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 218083 Technician(s): Tracy Carroll Date: 7/17/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230830B	4.01	7/17/24 9:42
7.0 Buffer	WC240307F	6.99	7/17/24 9:39
10.0 Buffer	WC230619B	9.99	7/17/24 9:44
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	98627	1412	7/17/24 9:44

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1		
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-1	LCS	7/17/24 9:45	28.1	7.02	1,408	1.52		
CCV-1	CCV	7/17/24 14:41	25.4	7.02	1,436	1.19		

Comments:

Field Meter ID: Pine 218083 Technician(s): Tracy Carroll Date: 7/18/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230830B	4.00	7/18/24 9:25
7.0 Buffer	WC240307F	7.01	7/18/24 9:24
10.0 Buffer	WC230619B	10.01	7/18/24 9:25
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	98627	1412	7/18/24 9:26

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1		
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-2	LCS	7/18/24 9:27	22.2	7.01	1,413	1.32		
CCV-M-2	CCV	7/18/24 12:01	23.3	7.04	1,430	1.26		
CCV-2	CCV	7/18/24 14:45	24	7.09	1,440	1.34		

Comments:

Site Samping Event: BAL- 24Q3
LIMS Workorder: 24061962
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
Baldwin- 3Q 2024

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 45720 Technician(s): Brett Gillihan Date: 7/17/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230830B	4.02	7/17/24 9:08
7.0 Buffer	WC24307F	7.02	7/17/24 9:01
10.0 Buffer	WC240521B	10.00	7/17/24 9:12
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	98627	1416	7/17/24 9:14

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.6	7/17/24 9:15
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-2	LCS	7/17/24 9:19	20.7	7.01	1,416	1.6		
CCV-M-2	CCV	7/17/24 12:12	21.6	7.03	1,422	1.4		
CCV-2	CCV	7/17/24 14:46	22.6	7.05	1,423	1.64		

Comments:

Field Meter ID: Pine 45720 Technician(s): Brett Gillihan Date: 7/18/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230830B	4.01	7/18/24 8:54
7.0 Buffer	WC24307F	7.01	7/18/24 8:48
10.0 Buffer	WC240521B	10.00	7/18/24 9:02
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	98627	1414	7/18/24 9:10

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.6	7/18/24 9:12
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-3	LCS	7/18/24 9:17	19.8	7.00	1,414	1.6		
CCV-M-3	CCV	7/18/24 11:46	20.4	7.03	1,417	1.08		
CCV-3	CCV	7/18/24 14:44	21.7	7.06	1,422	1.46		

Comments:

Site Samping Event: BAL- 24Q3
LIMS Workorder: 24061962
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
Baldwin- 3Q 2024

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 45720 Technician(s): Brett Gillihan Date: 7/19/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230830B	3.99	7/19/24 9:29
7.0 Buffer	WC24307F	7.00	7/19/24 9:26
10.0 Buffer	WC240521B	10.02	7/19/24 9:36
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	98627	1417	7/19/24 9:38

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.4	7/19/24 9:40
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-4	LCS	7/19/24 9:41	19.9	7.01	1,417	0.96		
CCV-4	CCV	7/19/24 11:08	20.3	7.02	1,420	1.23		

Comments:

Site Samping Event: BAL- 24Q3
LIMS Workorder: 24061962
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
Baldwin- 3Q 2024

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 51294 Technician(s): justin colp Date: 7/16/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230830b	4.00	7/16/24 6:39
7.0 Buffer	wc240307f	6.99	7/16/24 6:34
10.0 Buffer	wc240521b	10.00	7/16/24 6:44
LCS/CCV (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	98627	1412	7/16/24 6:48

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.91	7/16/24 6:48
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-1	LCS	7/16/24 6:51	25.1	7.00	1,412	0.91		

Comments: No sampling on 7/16- rain out

Field Meter ID: Pine 51294 Technician(s): justin colp Date: 7/17/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230830b	3.98	7/17/24 6:41
7.0 Buffer	wc240307f	7.00	7/17/24 6:37
10.0 Buffer	wc240521b	10.01	7/17/24 6:46
LCS/CCV (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	98627	1411	7/17/24 6:52

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.93	7/17/24 6:52
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-2	LCS	7/17/24 6:55	24.7	7.00	1,411	0.93		
CCV-M-2	CCV	7/17/24 11:36	25.4	7.02	1,422	0.99		
CCV-2	CCV	7/17/24 14:44	27.2	7.04	1,427	0.97		

Comments:

Site Samping Event: BAL- 24Q3
LIMS Workorder: 24061962
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
Baldwin- 3Q 2024

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 51294 Technician(s): justin colp Date: 7/18/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230830b	3.99	7/18/24 6:39
7.0 Buffer	wc240307f	7.01	7/18/24 6:35
10.0 Buffer	wc240521b	10.01	7/18/24 6:43
LCS/CCV (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	98627	1413	7/18/24 6:48

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.96	7/18/24 6:49
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-3	LCS	7/18/24 6:57	21.5	7.01	1,413	0.96		
CCV-M-3	CCV	7/18/24 11:19	22.8	7.01	1,421	0.92		
CCV-3	CCV	7/18/24 14:41	23.9	7.03	1,420	0.93		

Comments:

Field Meter ID: Pine 51294 Technician(s): justin colp Date: 7/19/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230830b	4.02	7/19/24 8:45
7.0 Buffer	wc240307f	6.99	7/19/24 8:39
10.0 Buffer	wc240521b	10.00	7/19/24 8:52
LCS/CCV (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	98627	1405	7/19/24 8:57

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.87	7/19/24 8:58
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-4	LCS	7/19/24 9:10	20.9	6.99	1,405	0.87		
CCV-4	CCV	7/19/24 11:14	22	7.02	1,401	0.88		

Comments:

Site Samping Event: BAL- 24Q3
LIMS Workorder: 24061962
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
Baldwin- 3Q 2024

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 51294 Technician(s): justin colp Date: 7/22/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230830b	4.01	7/22/24 9:29
7.0 Buffer	wc240307f	6.98	7/22/24 9:25
10.0 Buffer	wc240521b	10.01	7/22/24 9:34
LCS/CCV (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	98627	1406	7/22/24 9:39

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.84	7/22/24 9:40
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-5	LCS	7/22/24 9:42	21.7	6.98	1,406	0.84		
CCV-5	CCV	7/22/24 13:20	24.5	7.04	1,418	0.87		

Comments:

Field Meter ID: Pine 51294 Technician(s): justin colp Date: 7/23/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230830b	4.00	7/23/24 7:26
7.0 Buffer	wc240307f	7.00	7/23/24 7:21
10.0 Buffer	wc240521b	10.02	7/23/24 7:31
LCS/CCV (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	98627	1409	7/23/24 7:37

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.89	7/23/24 7:37
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-6	LCS	7/23/24 7:41	21.2	7.00	1,409	0.89		
CCV-6	CCV	7/23/24 12:11	25.4	7.03	1,424	0.93		

Comments:

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 45720
Description YSI Pro DSS
Calibrated 6/27/2024 10:15:34AM

Manufacturer YSI
Model Number Pro DSS
Serial Number/ Lot Number 19E101794
Location St. Louis
Department

State Certified
Status Pass
Temp °C 22.2
Humidity % 43

Calibration Specifications

Group # 1
Group Name PH
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
7.00 / 7.00	PH	7.00	PH	7.00	7.02	0.29%	Pass
4.00 / 4.00	PH	4.00	PH	3.89	4.00	0.00%	Pass
10.00 / 10.00	PH	10.00	PH	10.05	10.04	0.40%	Pass

Group # 2
Group Name Turbidity
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
0.00 / 0.00	NTU	0.00	NTU	-0.43	0.00	0.00%	Pass
124.00 / 124.00	NTU	124.00	NTU	128.39	124.00	0.00%	Pass

Group # 3
Group Name Conductivity
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.000

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
1.413 / 1.413	ms/cm	1.413	ms/cm	1.378	1.413	0.00%	Pass

Group # 4
Group Name Redox (ORP)
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
240.00 / 240.00	mv	240.00	mv	244.10	240.00	0.00%	Pass

Group # 5
Group Name Disolved Oxygen Span
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC
11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 51294
Description YSI Pro DSS Sonde
Calibrated 7/5/2024 11:57:06AM

Manufacturer YSI
Model Number Pro DSS
Serial Number/ Lot Number 21D103486
Location St. Louis
Department

State Certified
Status Pass
Temp °C 22.2
Humidity % 43

Calibration Specifications

Group # 1
Group Name PH
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
7.00 / 7.00	PH	7.00	PH	7.23	7.02	0.29%	Pass
4.00 / 4.00	PH	4.00	PH	4.42	4.00	0.00%	Pass
10.00 / 10.00	PH	10.00	PH	9.95	10.05	0.50%	Pass

Group # 2
Group Name Turbidity
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
0.00 / 0.00	NTU	0.00	NTU	0.25	0.00	0.00%	Pass
124.00 / 124.00	NTU	124.00	NTU	100.99	124.00	0.00%	Pass

Group # 3
Group Name Conductivity
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.000

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
1.413 / 1.413	ms/cm	1.413	ms/cm	1.491	1.413	0.00%	Pass

Group # 4
Group Name Redox (ORP)
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
240.00 / 240.00	mv	240.00	mv	229.10	240.00	0.00%	Pass

Group # 5
Group Name Dissolved Oxygen Span
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 218083
Description YSI Pro DSS Sonde
Calibrated 6/27/2024 10:21:25AM

Manufacturer YSI
Model Number Pro DSS
Serial Number/ Lot Number 23F102674
Location St. Louis
Department

State Certified
Status Pass
Temp °C 22.2
Humidity % 43

Calibration Specifications

Group # 1
Group Name PH
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
7.00 / 7.00	PH	7.00	PH	7.01	7.02	0.29%	Pass
4.00 / 4.00	PH	4.00	PH	4.07	4.00	0.00%	Pass
10.00 / 10.00	PH	10.00	PH	10.04	10.04	0.40%	Pass

Group # 2
Group Name Turbidity (NTU)
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
0.00 / 0.00	FNU	0.00	FNU	0.34	0.00	0.00%	Pass
124.00 / 124.00	FNU	124.00	FNU	126.32	124.00	0.00%	Pass

Group # 3
Group Name Conductivity
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.000

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
1.413 / 1.413	ms/cm	1.413	ms/cm	1.501	1.413	0.00%	Pass

Group # 4
Group Name Redox (ORP)
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
240.00 / 240.00	mv	240.00	mv	242.90	240.00	0.00%	Pass

Group # 5
Group Name Dissolved Oxygen Span
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail

Teklab, Inc.
Environmental Laboratory

http://www.teklabinc.com/

December 06, 2024

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

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

RE: BAL-24Q4 **WorkOrder:** 24100001

Dear Eric Bauer:

TEKLAB, INC received 22 samples for BAL_257_601 on 11/1/2024 1:24:00 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
Client Project: BAL-24Q4

Work Order: 24100001
Report Date: 06-Dec-24

This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	5
Accreditations	6
Laboratory Results	7
Sample Summary	29
Quality Control Results	30
Receiving Check List	95
Chain of Custody	Appended

Definitions

Client: Ramboll **Work Order:** 24100001

Client Project: BAL-24Q4 **Report Date:** 06-Dec-24

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

Definitions

Client: Ramboll **Work Order:** 24100001

Client Project: BAL-24Q4 **Report Date:** 06-Dec-24

Qualifiers

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

Case Narrative

Client: Ramboll
Client Project: BAL-24Q4

Work Order: 24100001
Report Date: 06-Dec-24

Cooler Receipt Temp: 12.1 °C

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

Per Eric Bauer's request, only BAL_257_601 data is included in this report. EAH 12/6/24

Locations

Collinsville

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

Springfield

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

Kansas City

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

Collinsville Air

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

Chicago

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

Accreditations

Client: Ramboll **Work Order:** 24100001

Client Project: BAL-24Q4 **Report Date:** 06-Dec-24

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2025	Collinsville
Illinois	IEPA	1004652024-2	NELAP	4/30/2025	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2025	Collinsville
Louisiana	LDEQ	05002	NELAP	6/30/2025	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2025	Collinsville
Oklahoma	ODEQ	9978	NELAP	12/31/2024	Collinsville
Arkansas	ADEQ	88-0966		3/14/2025	Collinsville
Illinois	IDPH	17584		5/31/2025	Collinsville
Iowa	IDNR	430		6/1/2026	Collinsville
Kentucky	UST	0073		1/31/2025	Collinsville
Mississippi	MSDH			4/30/2025	Collinsville
Missouri	MDNR	930		1/31/2025	Collinsville
Missouri	MDNR	00930		10/31/2026	Collinsville

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24100001

Client Project: BAL-24Q4 **Report Date:** 06-Dec-24

Lab ID: 24100001-009 **Client Sample ID:** MW-192

Matrix: GROUNDWATER **Collection Date:** 10/15/2024 10:58

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**8.38**	ft	1	10/15/2024 10:58	R354883
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**53**	NTU	1	10/15/2024 10:58	R354883
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		**-90**	mV	1	10/15/2024 10:58	R354883
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**849**	µS/cm	1	10/15/2024 10:58	R354883
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**18.1**	°C	1	10/15/2024 10:58	R354883
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.75**	mg/L	1	10/15/2024 10:58	R354883
SW-846 9040B FIELD									
pH	*	0	1.00		**6.60**		1	10/15/2024 10:58	R354883
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**358**	mg/L	1	10/17/2024 10:30	R354803
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	10/17/2024 10:30	R354803
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**450**	mg/L	1	10/18/2024 10:04	R354960
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50	J	**0.41**	mg/L	10	10/16/2024 14:29	R354678
Chloride	NELAP	1.00	5.00		**19.8**	mg/L	10	10/16/2024 14:29	R354678
Sulfate	NELAP	3.00	10.0		**15.0**	mg/L	10	10/16/2024 14:29	R354678
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**72.4**	mg/L	1	10/18/2024 13:45	229828
Magnesium	NELAP	0.0055	0.0500		**30.4**	mg/L	1	10/18/2024 13:45	229828
Potassium	NELAP	0.0400	0.100		**0.484**	mg/L	1	10/18/2024 13:45	229828
Sodium	NELAP	0.0180	0.0500		**50.3**	mg/L	1	10/21/2024 16:30	229828
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	J	**0.0007**	mg/L	5	10/29/2024 13:51	230069
Arsenic	NELAP	0.0004	0.0010	J	**0.0007**	mg/L	5	10/18/2024 23:26	229828
Barium	NELAP	0.0007	0.0010		**0.0953**	mg/L	5	10/25/2024 0:20	230069
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	10/18/2024 23:26	229828
Boron	NELAP	0.0092	0.0250		**0.0672**	mg/L	5	10/23/2024 19:43	230069
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	10/21/2024 17:29	229828
Chromium	NELAP	0.0007	0.0015		**< 0.0015**	mg/L	5	10/18/2024 23:26	229828
Cobalt	NELAP	0.0001	0.0010	J	**0.0006**	mg/L	5	10/18/2024 23:26	229828
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	10/18/2024 23:26	229828
Lithium	*	0.0015	0.0030		**0.0035**	mg/L	5	10/23/2024 19:43	230069
Molybdenum	NELAP	0.0006	0.0015		**0.0021**	mg/L	5	10/18/2024 23:26	229828
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	10/23/2024 19:43	230069
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	10/18/2024 23:26	229828

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

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

SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	10/18/2024 13:08	229867

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24100001

Client Project: BAL-24Q4 **Report Date:** 06-Dec-24

Lab ID: 24100001-010 **Client Sample ID:** MW-193

Matrix: GROUNDWATER **Collection Date:** 10/15/2024 9:54

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**8.98**	ft	1	10/15/2024 9:54	R354883
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**9.8**	NTU	1	10/15/2024 9:54	R354883
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		**-88**	mV	1	10/15/2024 9:54	R354883
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1040**	µS/cm	1	10/15/2024 9:54	R354883
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**17.7**	°C	1	10/15/2024 9:54	R354883
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.67**	mg/L	1	10/15/2024 9:54	R354883
SW-846 9040B FIELD									
pH	*	0	1.00		**6.52**		1	10/15/2024 9:54	R354883
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**294**	mg/L	1	10/17/2024 10:36	R354803
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	10/17/2024 10:36	R354803
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**614**	mg/L	1	10/18/2024 10:04	R354960
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50	J	**0.23**	mg/L	10	10/16/2024 14:41	R354678
Chloride	NELAP	1.00	5.00		**31.4**	mg/L	10	10/16/2024 14:41	R354678
Sulfate	NELAP	3.00	10.0		**151**	mg/L	10	10/16/2024 14:41	R354678
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**84.6**	mg/L	1	10/18/2024 13:45	229828
Magnesium	NELAP	0.0055	0.0500		**32.0**	mg/L	1	10/18/2024 13:45	229828
Potassium	NELAP	0.0400	0.100		**0.553**	mg/L	1	10/18/2024 13:45	229828
Sodium	NELAP	0.0180	0.0500		**74.2**	mg/L	1	10/21/2024 16:31	229828
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	J	**0.0006**	mg/L	5	10/29/2024 13:56	230069
Arsenic	NELAP	0.0004	0.0010	J	**0.0007**	mg/L	5	10/18/2024 23:32	229828
Barium	NELAP	0.0007	0.0010		**0.0749**	mg/L	5	10/25/2024 0:26	230069
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	10/18/2024 23:32	229828
Boron	NELAP	0.0092	0.0250		**0.0524**	mg/L	5	10/23/2024 20:56	230069
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	10/21/2024 18:17	229828
Chromium	NELAP	0.0007	0.0015		**< 0.0015**	mg/L	5	10/18/2024 23:32	229828
Cobalt	NELAP	0.0001	0.0010	J	**0.0005**	mg/L	5	10/18/2024 23:32	229828
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	10/18/2024 23:32	229828
Lithium	*	0.0015	0.0030		**0.0058**	mg/L	5	10/23/2024 20:56	230069
Molybdenum	NELAP	0.0006	0.0015	J	**0.0008**	mg/L	5	10/18/2024 23:32	229828
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	10/23/2024 20:56	230069
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	10/18/2024 23:32	229828

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

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

SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	10/18/2024 13:11	229867

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24100001

Client Project: BAL-24Q4 **Report Date:** 06-Dec-24

Lab ID: 24100001-017 **Client Sample ID:** MW-304

Matrix: GROUNDWATER **Collection Date:** 10/16/2024 9:33

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**9.54**	ft	1	10/16/2024 9:33	R354883
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**6.3**	NTU	1	10/16/2024 9:33	R354883
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		**-32**	mV	1	10/16/2024 9:33	R354883
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**2540**	µS/cm	1	10/16/2024 9:33	R354883
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**15.3**	°C	1	10/16/2024 9:33	R354883
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.24**	mg/L	1	10/16/2024 9:33	R354883
SW-846 9040B FIELD									
pH	*	0	1.00		**7.54**		1	10/16/2024 9:33	R354883
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**801**	mg/L	1	10/18/2024 12:32	R354869
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	10/18/2024 12:32	R354869
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**1500**	mg/L	1	10/18/2024 13:34	R354960
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		**1.82**	mg/L	10	10/17/2024 10:50	R354743
Chloride	NELAP	1.00	5.00		**169**	mg/L	10	10/17/2024 10:50	R354743
Sulfate	NELAP	3.00	10.0		**190**	mg/L	10	10/17/2024 10:50	R354743
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**11.0**	mg/L	1	10/18/2024 13:25	229864
Magnesium	NELAP	0.0055	0.0500		**4.53**	mg/L	1	10/18/2024 13:25	229864
Potassium	NELAP	0.0400	0.100		**2.52**	mg/L	1	10/18/2024 13:25	229864
Sodium	NELAP	0.0180	0.0500		**582**	mg/L	1	10/18/2024 13:25	229864
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	J	**0.0008**	mg/L	5	10/22/2024 11:09	229864
Arsenic	NELAP	0.0004	0.0010		**0.0028**	mg/L	5	10/19/2024 4:29	229864
Barium	NELAP	0.0007	0.0010		**0.0192**	mg/L	5	10/19/2024 4:29	229864
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	10/19/2024 4:29	229864
Boron	NELAP	0.0092	0.0250		**1.90**	mg/L	5	10/21/2024 23:32	229864
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	10/19/2024 4:29	229864
Chromium	NELAP	0.0007	0.0015		**< 0.0015**	mg/L	5	10/19/2024 4:29	229864
Cobalt	NELAP	0.0001	0.0010		**< 0.0010**	mg/L	5	10/19/2024 4:29	229864
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	10/19/2024 4:29	229864
Lithium	*	0.0015	0.0030		**0.0833**	mg/L	5	10/22/2024 11:09	229864
Molybdenum	NELAP	0.0006	0.0015		**0.0017**	mg/L	5	10/19/2024 4:29	229864
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	10/19/2024 4:29	229864
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	10/19/2024 4:29	229864

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

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

SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	10/18/2024 13:22	229867

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24100001

Client Project: BAL-24Q4 **Report Date:** 06-Dec-24

Lab ID: 24100001-021 **Client Sample ID:** MW-356

Matrix: GROUNDWATER **Collection Date:** 10/16/2024 14:26

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**4.69**	ft	1	10/16/2024 14:26	R354883
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**11**	NTU	1	10/16/2024 14:26	R354883
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		**-74**	mV	1	10/16/2024 14:26	R354883
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1270**	µS/cm	1	10/16/2024 14:26	R354883
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**16.6**	°C	1	10/16/2024 14:26	R354883
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.46**	mg/L	1	10/16/2024 14:26	R354883
SW-846 9040B FIELD									
pH	*	0	1.00		**7.66**		1	10/16/2024 14:26	R354883
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**537**	mg/L	1	10/22/2024 9:52	R354985
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	10/22/2024 9:52	R354985
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**632**	mg/L	1	10/21/2024 9:02	R355026
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		**2.10**	mg/L	10	10/17/2024 16:05	R354743
Chloride	NELAP	1.00	5.00		**29.5**	mg/L	10	10/17/2024 16:05	R354743
Sulfate	NELAP	3.00	10.0		**41.0**	mg/L	10	10/17/2024 16:05	R354743
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**12.2**	mg/L	1	10/18/2024 13:28	229864
Magnesium	NELAP	0.0055	0.0500		**7.43**	mg/L	1	10/18/2024 13:28	229864
Potassium	NELAP	0.0400	0.100		**2.95**	mg/L	1	10/18/2024 13:28	229864
Sodium	NELAP	0.0180	0.0500		**256**	mg/L	1	10/18/2024 13:28	229864
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	10/22/2024 11:21	229864
Arsenic	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	10/19/2024 4:47	229864
Barium	NELAP	0.0007	0.0010		**0.0375**	mg/L	5	10/19/2024 4:47	229864
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	10/19/2024 4:47	229864
Boron	NELAP	0.0092	0.0250		**2.05**	mg/L	5	10/22/2024 0:51	229864
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	10/19/2024 4:47	229864
Chromium	NELAP	0.0007	0.0015		**< 0.0015**	mg/L	5	10/19/2024 4:47	229864
Cobalt	NELAP	0.0001	0.0010		**< 0.0010**	mg/L	5	10/19/2024 4:47	229864
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	10/19/2024 4:47	229864
Lithium	*	0.0015	0.0030		**0.0557**	mg/L	5	10/22/2024 11:21	229864
Molybdenum	NELAP	0.0006	0.0015		**0.0021**	mg/L	5	10/19/2024 4:47	229864
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	10/19/2024 4:47	229864
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	10/19/2024 4:47	229864

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

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

SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	10/18/2024 13:29	229867

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24100001

Client Project: BAL-24Q4 **Report Date:** 06-Dec-24

Lab ID: 24100001-022 **Client Sample ID:** MW-358R

Matrix: GROUNDWATER **Collection Date:** 11/01/2024 11:28

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**81.62**	ft	1	11/01/2024 11:28	R354883
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**43**	NTU	1	11/01/2024 11:28	R354883
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		**-107**	mV	1	11/01/2024 11:28	R354883
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**3520**	µS/cm	1	11/01/2024 11:28	R354883
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**16.7**	°C	1	11/01/2024 11:28	R354883
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**2.65**	mg/L	1	11/01/2024 11:28	R354883
SW-846 9040B FIELD									
pH	*	0	1.00		**7.72**		1	11/01/2024 11:28	R354883
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**557**	mg/L	1	11/04/2024 12:25	R355638
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	11/04/2024 12:25	R355638
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**2350**	mg/L	2.5	11/07/2024 12:47	R355895
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		**1.20**	mg/L	10	11/05/2024 8:28	R355616
Chloride	NELAP	1.00	5.00		**1040**	mg/L	10	11/05/2024 8:28	R355616
Sulfate	NELAP	3.00	10.0		**170**	mg/L	10	11/05/2024 8:28	R355616
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**48.6**	mg/L	1	11/05/2024 19:22	230648
Magnesium	NELAP	0.0055	0.0500		**14.7**	mg/L	1	11/05/2024 19:22	230648
Potassium	NELAP	0.200	0.500		**8.00**	mg/L	5	11/08/2024 9:22	230648
Sodium	NELAP	0.0900	0.250	S	**842**	mg/L	5	11/06/2024 18:03	230648
Matrix spike control limits are not applicable due to high sample/spike ratio.									
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**0.0033**	mg/L	5	11/15/2024 9:51	231150
Arsenic	NELAP	0.0004	0.0010		**0.0037**	mg/L	5	11/12/2024 23:50	230648
Barium	NELAP	0.0007	0.0010		**0.167**	mg/L	5	11/14/2024 20:55	231150
Beryllium	NELAP	0.0002	0.0010	J	**0.0005**	mg/L	5	11/12/2024 23:50	230648
Boron	NELAP	0.0092	0.0250		**0.945**	mg/L	5	11/12/2024 23:50	230648
Cadmium	NELAP	0.0002	0.0010	J	**0.0002**	mg/L	5	11/12/2024 23:50	230648
Chromium	NELAP	0.0007	0.0015		**0.0267**	mg/L	5	11/12/2024 23:50	230648
Cobalt	NELAP	0.0001	0.0010		**0.0038**	mg/L	5	11/12/2024 23:50	230648
Lead	NELAP	0.0006	0.0010		**0.0019**	mg/L	5	11/09/2024 7:02	230648
Lithium	*	0.0015	0.0030		**0.0224**	mg/L	5	11/13/2024 11:54	230648
Molybdenum	NELAP	0.0006	0.0015		**0.142**	mg/L	5	11/13/2024 11:54	230648
Selenium	NELAP	0.0006	0.0010		**0.0033**	mg/L	5	11/12/2024 23:50	230648
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	11/09/2024 7:02	230648
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	11/05/2024 12:56	230651

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24100001

Client Project: BAL-24Q4 **Report Date:** 06-Dec-24

Lab ID: 24100001-024 **Client Sample ID:** MW-369

Matrix: GROUNDWATER **Collection Date:** 10/15/2024 11:25

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**13.65**	ft	1	10/15/2024 11:25	R354883
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**3.7**	NTU	1	10/15/2024 11:25	R354883
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		**-226**	mV	1	10/15/2024 11:25	R354883
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**2270**	µS/cm	1	10/15/2024 11:25	R354883
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**15.3**	°C	1	10/15/2024 11:25	R354883
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.33**	mg/L	1	10/15/2024 11:25	R354883
SW-846 9040B FIELD									
pH	*	0	1.00		**8.41**		1	10/15/2024 11:25	R354883
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**491**	mg/L	1	10/17/2024 12:31	R354803
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	10/17/2024 12:31	R354803
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**786**	mg/L	1	10/18/2024 10:05	R354960
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		**0.52**	mg/L	10	10/16/2024 15:28	R354678
Chloride	NELAP	1.00	5.00		**63.3**	mg/L	10	10/16/2024 15:28	R354678
Sulfate	NELAP	3.00	10.0		**94.8**	mg/L	10	10/16/2024 15:28	R354678
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**126**	mg/L	1	10/18/2024 13:51	229828
Magnesium	NELAP	0.0055	0.0500		**40.4**	mg/L	1	10/18/2024 13:51	229828
Potassium	NELAP	0.0400	0.100		**3.97**	mg/L	1	10/18/2024 13:51	229828
Sodium	NELAP	0.0180	0.0500		**92.2**	mg/L	1	10/21/2024 16:33	229828
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**0.0026**	mg/L	5	10/30/2024 6:41	230069
Arsenic	NELAP	0.0004	0.0010		**0.0018**	mg/L	5	10/23/2024 21:14	230069
Barium	NELAP	0.0007	0.0010		**0.126**	mg/L	5	10/25/2024 0:44	230069
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	10/18/2024 23:50	229828
Boron	NELAP	0.0092	0.0250		**0.251**	mg/L	5	10/23/2024 21:14	230069
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	10/21/2024 18:36	229828
Chromium	NELAP	0.0007	0.0015	J	**0.0009**	mg/L	5	10/18/2024 23:50	229828
Cobalt	NELAP	0.0001	0.0010		**0.0016**	mg/L	5	10/18/2024 23:50	229828
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	10/18/2024 23:50	229828
Lithium	*	0.0015	0.0030		**0.0135**	mg/L	5	10/23/2024 21:14	230069
Molybdenum	NELAP	0.0006	0.0015		**0.0021**	mg/L	5	10/18/2024 23:50	229828
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	10/23/2024 21:14	230069
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	10/18/2024 23:50	229828
LCS recovered outside upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI Standard.									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	10/18/2024 13:33	229867

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24100001

Client Project: BAL-24Q4 **Report Date:** 06-Dec-24

Lab ID: 24100001-025 **Client Sample ID:** MW-370

Matrix: GROUNDWATER **Collection Date:** 10/15/2024 13:56

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**18.89**	ft	1	10/15/2024 13:56	R354883
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**< 1.0**	NTU	1	10/15/2024 13:56	R354883
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		**-59**	mV	1	10/15/2024 13:56	R354883
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**6170**	µS/cm	1	10/15/2024 13:56	R354883
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**15.6**	°C	1	10/15/2024 13:56	R354883
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.42**	mg/L	1	10/15/2024 13:56	R354883
SW-846 9040B FIELD									
pH	*	0	1.00		**7.43**		1	10/15/2024 13:56	R354883
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**382**	mg/L	1	10/17/2024 11:03	R354803
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	10/17/2024 11:03	R354803
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**3020**	mg/L	1	10/18/2024 10:05	R354960
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		**3.14**	mg/L	10	10/16/2024 15:39	R354678
Chloride	NELAP	2.00	10.0		**1520**	mg/L	20	10/17/2024 12:23	R354743
Sulfate	NELAP	3.00	10.0		**252**	mg/L	10	10/16/2024 15:39	R354678
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**40.4**	mg/L	1	10/18/2024 13:52	229828
Magnesium	NELAP	0.0055	0.0500		**23.0**	mg/L	1	10/18/2024 13:52	229828
Potassium	NELAP	0.0400	0.100		**5.80**	mg/L	1	10/18/2024 13:52	229828
Sodium	NELAP	0.180	0.500		**938**	mg/L	10	10/21/2024 16:37	229828
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**0.0015**	mg/L	5	10/30/2024 6:46	230069
Arsenic	NELAP	0.0004	0.0010	J	**0.0008**	mg/L	5	10/18/2024 23:56	229828
Barium	NELAP	0.0007	0.0010		**0.0340**	mg/L	5	10/25/2024 0:49	230069
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	10/18/2024 23:56	229828
Boron	NELAP	0.0092	0.0250		**1.93**	mg/L	5	10/23/2024 21:20	230069
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	10/21/2024 18:42	229828
Chromium	NELAP	0.0007	0.0015		**< 0.0015**	mg/L	5	10/18/2024 23:56	229828
Cobalt	NELAP	0.0001	0.0010	J	**0.0002**	mg/L	5	10/18/2024 23:56	229828
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	10/18/2024 23:56	229828
Lithium	*	0.0015	0.0030		**0.138**	mg/L	5	10/23/2024 21:20	230069
Molybdenum	NELAP	0.0006	0.0015		**0.0136**	mg/L	5	10/18/2024 23:56	229828
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	10/23/2024 21:20	230069
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	10/18/2024 23:56	229828
LCS recovered outside upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI Standard.									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	10/18/2024 13:35	229867

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24100001

Client Project: BAL-24Q4 **Report Date:** 06-Dec-24

Lab ID: 24100001-028 **Client Sample ID:** MW-382

Matrix: GROUNDWATER **Collection Date:** 10/15/2024 13:32

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**16.58**	ft	1	10/15/2024 13:32	R354883
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**51**	NTU	1	10/15/2024 13:32	R354883
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		**-96**	mV	1	10/15/2024 13:32	R354883
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1970**	µS/cm	1	10/15/2024 13:32	R354883
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**15.9**	°C	1	10/15/2024 13:32	R354883
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.54**	mg/L	1	10/15/2024 13:32	R354883
SW-846 9040B FIELD									
pH	*	0	1.00		**7.63**		1	10/15/2024 13:32	R354883
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**464**	mg/L	1	10/17/2024 12:16	R354803
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	10/17/2024 12:16	R354803
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**3600**	mg/L	2.5	10/18/2024 12:04	R354960
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		**3.06**	mg/L	10	10/16/2024 16:14	R354678
Chloride	NELAP	1.00	5.00		**30.6**	mg/L	10	10/16/2024 16:14	R354678
Sulfate	NELAP	3.00	10.0		**389**	mg/L	10	10/16/2024 16:14	R354678
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**29.5**	mg/L	1	10/18/2024 13:52	229828
Magnesium	NELAP	0.0055	0.0500		**12.7**	mg/L	1	10/18/2024 13:52	229828
Potassium	NELAP	0.0400	0.100		**6.29**	mg/L	1	10/18/2024 13:52	229828
Sodium	NELAP	0.0180	0.0500		**408**	mg/L	1	10/21/2024 16:38	229828
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	J	**0.0010**	mg/L	5	10/30/2024 6:51	230069
Arsenic	NELAP	0.0004	0.0010		**0.0020**	mg/L	5	10/19/2024 0:02	229828
Barium	NELAP	0.0007	0.0010		**0.0254**	mg/L	5	10/25/2024 0:55	230069
Beryllium	NELAP	0.0002	0.0010	J	**0.0007**	mg/L	5	10/19/2024 0:02	229828
Boron	NELAP	0.0092	0.0250		**1.80**	mg/L	5	10/23/2024 21:27	230069
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	10/21/2024 18:48	229828
Chromium	NELAP	0.0007	0.0015		**0.0188**	mg/L	5	10/19/2024 0:02	229828
Cobalt	NELAP	0.0001	0.0010		**0.0036**	mg/L	5	10/19/2024 0:02	229828
Lead	NELAP	0.0006	0.0010		**0.0034**	mg/L	5	10/19/2024 0:02	229828
Lithium	*	0.0015	0.0030		**0.0618**	mg/L	5	10/23/2024 21:27	230069
Molybdenum	NELAP	0.0006	0.0015		**0.0023**	mg/L	5	10/19/2024 0:02	229828
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	10/23/2024 21:27	230069
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	10/19/2024 0:02	229828
LCS recovered outside upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI Standard.									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	10/18/2024 13:46	229867

Laboratory Results

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

Client: Ramboll **Work Order:** 24100001

Client Project: BAL-24Q4 **Report Date:** 06-Dec-24

Lab ID: 24100001-033 **Client Sample ID:** MW-392

Matrix: GROUNDWATER **Collection Date:** 10/15/2024 10:38

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**9.29**	ft	1	10/15/2024 10:38	R354883
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**7.0**	NTU	1	10/15/2024 10:38	R354883
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		**-142**	mV	1	10/15/2024 10:38	R354883
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**3830**	µS/cm	1	10/15/2024 10:38	R354883
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**17.4**	°C	1	10/15/2024 10:38	R354883
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.42**	mg/L	1	10/15/2024 10:38	R354883
SW-846 9040B FIELD									
pH	*	0	1.00		**7.56**		1	10/15/2024 10:38	R354883
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**358**	mg/L	1	10/17/2024 12:46	R354803
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	10/17/2024 12:46	R354803
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**1940**	mg/L	1	10/18/2024 12:04	R354960
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		**4.36**	mg/L	10	10/16/2024 17:13	R354678
Chloride	NELAP	1.00	5.00		**993**	mg/L	10	10/16/2024 17:13	R354678
Sulfate	NELAP	3.00	10.0		**52.5**	mg/L	10	10/16/2024 17:13	R354678
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**24.8**	mg/L	1	10/18/2024 13:55	229828
Magnesium	NELAP	0.0055	0.0500		**15.4**	mg/L	1	10/18/2024 13:55	229828
Potassium	NELAP	0.0400	0.100		**4.46**	mg/L	1	10/18/2024 13:55	229828
Sodium	NELAP	0.180	0.500		**603**	mg/L	10	10/21/2024 16:41	229828
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	J	**0.0010**	mg/L	5	10/29/2024 16:08	230069
Arsenic	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	10/19/2024 1:45	229828
Barium	NELAP	0.0007	0.0010		**0.0369**	mg/L	5	10/25/2024 1:24	230069
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	10/19/2024 1:45	229828
Boron	NELAP	0.0092	0.0250		**2.02**	mg/L	5	10/23/2024 21:33	230069
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	10/21/2024 18:54	229828
Chromium	NELAP	0.0007	0.0015		**< 0.0015**	mg/L	5	10/19/2024 1:45	229828
Cobalt	NELAP	0.0001	0.0010		**< 0.0010**	mg/L	5	10/19/2024 1:45	229828
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	10/19/2024 1:45	229828
Lithium	*	0.0015	0.0030		**0.0799**	mg/L	5	10/23/2024 21:33	230069
Molybdenum	NELAP	0.0006	0.0015		**< 0.0015**	mg/L	5	10/21/2024 18:54	229828
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	10/23/2024 21:33	230069
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	10/19/2024 1:45	229828

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

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

SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	10/18/2024 16:46	229870

Laboratory Results

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

Client: Ramboll **Work Order:** 24100001

Client Project: BAL-24Q4 **Report Date:** 06-Dec-24

Lab ID: 24100001-034 **Client Sample ID:** MW-393

Matrix: GROUNDWATER **Collection Date:** 10/15/2024 10:14

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**8.35**	ft	1	10/15/2024 10:14	R354883
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**1.5**	NTU	1	10/15/2024 10:14	R354883
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		**-258**	mV	1	10/15/2024 10:14	R354883
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**4640**	µS/cm	1	10/15/2024 10:14	R354883
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**17.7**	°C	1	10/15/2024 10:14	R354883
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.31**	mg/L	1	10/15/2024 10:14	R354883
SW-846 9040B FIELD									
pH	*	0	1.00		**8.09**		1	10/15/2024 10:14	R354883
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**833**	mg/L	1	10/17/2024 11:26	R354803
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	10/17/2024 11:26	R354803
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**2830**	mg/L	1	10/18/2024 12:05	R354960
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		**10.4**	mg/L	10	10/16/2024 17:24	R354678
Chloride	NELAP	1.00	5.00		**880**	mg/L	10	10/16/2024 17:24	R354678
Sulfate	NELAP	3.00	10.0		**181**	mg/L	10	10/16/2024 17:24	R354678
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**6.10**	mg/L	1	10/18/2024 13:59	229828
Magnesium	NELAP	0.0055	0.0500		**3.69**	mg/L	1	10/18/2024 13:59	229828
Potassium	NELAP	0.0400	0.100		**3.00**	mg/L	1	10/18/2024 13:59	229828
Sodium	NELAP	0.180	0.500		**853**	mg/L	10	10/21/2024 16:42	229828
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	J	**0.0008**	mg/L	5	10/29/2024 16:13	230069
Arsenic	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	10/19/2024 1:52	229828
Barium	NELAP	0.0007	0.0010		**0.0380**	mg/L	5	10/25/2024 1:30	230069
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	10/19/2024 1:52	229828
Boron	NELAP	0.0092	0.0250		**1.86**	mg/L	5	10/23/2024 22:22	230069
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	10/21/2024 20:18	229828
Chromium	NELAP	0.0007	0.0015		**< 0.0015**	mg/L	5	10/19/2024 1:52	229828
Cobalt	NELAP	0.0001	0.0010		**< 0.0010**	mg/L	5	10/19/2024 1:52	229828
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	10/19/2024 1:52	229828
Lithium	*	0.0015	0.0030		**0.0706**	mg/L	5	10/23/2024 22:22	230069
Molybdenum	NELAP	0.0006	0.0015		**< 0.0015**	mg/L	5	10/19/2024 1:52	229828
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	10/23/2024 22:22	230069
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	10/19/2024 1:52	229828

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

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

SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	10/18/2024 16:48	229870

Laboratory Results

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

Client: Ramboll **Work Order:** 24100001

Client Project: BAL-24Q4 **Report Date:** 06-Dec-24

Lab ID: 24100001-035 **Client Sample ID:** MW-394

Matrix: GROUNDWATER **Collection Date:** 10/15/2024 9:29

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**6.78**	ft	1	10/15/2024 9:29	R354883
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**39**	NTU	1	10/15/2024 9:29	R354883
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		**-292**	mV	1	10/15/2024 9:29	R354883
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**4340**	µS/cm	1	10/15/2024 9:29	R354883
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**17.1**	°C	1	10/15/2024 9:29	R354883
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.69**	mg/L	1	10/15/2024 9:29	R354883
SW-846 9040B FIELD									
pH	*	0	1.00		**7.93**		1	10/15/2024 9:29	R354883
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**677**	mg/L	1	10/17/2024 11:36	R354803
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	10/17/2024 11:36	R354803
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**2310**	mg/L	1	10/18/2024 12:13	R354960
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		**5.07**	mg/L	10	10/16/2024 17:36	R354678
Chloride	NELAP	1.00	5.00		**828**	mg/L	10	10/16/2024 17:36	R354678
Sulfate	NELAP	3.00	10.0		**213**	mg/L	10	10/16/2024 17:36	R354678
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**8.67**	mg/L	1	10/18/2024 14:00	229828
Magnesium	NELAP	0.0055	0.0500		**4.40**	mg/L	1	10/18/2024 14:00	229828
Potassium	NELAP	0.0400	0.100		**2.70**	mg/L	1	10/18/2024 14:00	229828
Sodium	NELAP	0.180	0.500		**755**	mg/L	10	10/21/2024 16:42	229828
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	J	**0.0007**	mg/L	5	10/29/2024 16:18	230069
Arsenic	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	10/19/2024 1:58	229828
Barium	NELAP	0.0007	0.0010		**0.0171**	mg/L	5	10/25/2024 1:36	230069
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	10/19/2024 1:58	229828
Boron	NELAP	0.0092	0.0250		**1.80**	mg/L	5	10/23/2024 22:28	230069
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	10/21/2024 20:24	229828
Chromium	NELAP	0.0007	0.0015		**< 0.0015**	mg/L	5	10/19/2024 1:58	229828
Cobalt	NELAP	0.0001	0.0010		**< 0.0010**	mg/L	5	10/19/2024 1:58	229828
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	10/19/2024 1:58	229828
Lithium	*	0.0015	0.0030		**0.0622**	mg/L	5	10/23/2024 22:28	230069
Molybdenum	NELAP	0.0006	0.0015	J	**0.0010**	mg/L	5	10/19/2024 1:58	229828
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	10/23/2024 22:28	230069
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	10/19/2024 1:58	229828

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

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

SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	10/18/2024 16:55	229870

Laboratory Results

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

Client: Ramboll **Work Order:** 24100001

Client Project: BAL-24Q4 **Report Date:** 06-Dec-24

Lab ID: 24100001-038 **Client Sample ID:** OW-256

Matrix: GROUNDWATER **Collection Date:** 10/15/2024 11:40

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**11.66**	ft	1	10/15/2024 11:40	R354883
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**1.3**	NTU	1	10/15/2024 11:40	R354883
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		**-73**	mV	1	10/15/2024 11:40	R354883
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**549**	µS/cm	1	10/15/2024 11:40	R354883
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**16.0**	°C	1	10/15/2024 11:40	R354883
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.91**	mg/L	1	10/15/2024 11:40	R354883
SW-846 9040B FIELD									
pH	*	0	1.00		**6.82**		1	10/15/2024 11:40	R354883
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**293**	mg/L	1	10/17/2024 12:24	R354803
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	10/17/2024 12:24	R354803
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**510**	mg/L	1	10/18/2024 12:14	R354960
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50	J	**0.24**	mg/L	10	10/16/2024 17:48	R354678
Chloride	NELAP	1.00	5.00		**52.0**	mg/L	10	10/16/2024 17:48	R354678
Sulfate	NELAP	3.00	10.0		**65.1**	mg/L	10	10/16/2024 17:48	R354678
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**83.9**	mg/L	1	10/18/2024 14:01	229828
Magnesium	NELAP	0.0055	0.0500		**33.5**	mg/L	1	10/18/2024 14:01	229828
Potassium	NELAP	0.0400	0.100		**0.779**	mg/L	1	10/18/2024 14:01	229828
Sodium	NELAP	0.0180	0.0500		**51.6**	mg/L	1	10/21/2024 16:43	229828
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	J	**0.0006**	mg/L	5	10/29/2024 16:23	230069
Arsenic	NELAP	0.0004	0.0010	J	**0.0009**	mg/L	5	10/19/2024 2:04	229828
Barium	NELAP	0.0007	0.0010		**0.0805**	mg/L	5	10/25/2024 1:41	230069
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	10/19/2024 2:04	229828
Boron	NELAP	0.0092	0.0250		**0.210**	mg/L	5	10/23/2024 22:34	230069
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	10/21/2024 21:19	229828
Chromium	NELAP	0.0007	0.0015		**< 0.0015**	mg/L	5	10/19/2024 2:04	229828
Cobalt	NELAP	0.0001	0.0010	J	**0.0005**	mg/L	5	10/19/2024 2:04	229828
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	10/19/2024 2:04	229828
Lithium	*	0.0015	0.0030		**0.0083**	mg/L	5	10/23/2024 22:34	230069
Molybdenum	NELAP	0.0006	0.0015	J	**0.0011**	mg/L	5	10/19/2024 2:04	229828
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	10/23/2024 22:34	230069
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	10/19/2024 2:04	229828

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

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

SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	10/18/2024 16:57	229870

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24100001

Client Project: BAL-24Q4 **Report Date:** 06-Dec-24

Lab ID: 24100001-039 **Client Sample ID:** OW-257

Matrix: GROUNDWATER **Collection Date:** 10/14/2024 13:06

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**7.09**	ft	1	10/14/2024 13:06	R354883
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**3.4**	NTU	1	10/14/2024 13:06	R354883
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		**-89**	mV	1	10/14/2024 13:06	R354883
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1960**	µS/cm	1	10/14/2024 13:06	R354883
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**17.2**	°C	1	10/14/2024 13:06	R354883
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.25**	mg/L	1	10/14/2024 13:06	R354883
SW-846 9040B FIELD									
pH	*	0	1.00		**6.71**		1	10/14/2024 13:06	R354883
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**518**	mg/L	1	10/15/2024 10:02	R354670
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	10/15/2024 10:02	R354670
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**712**	mg/L	1	10/18/2024 12:14	R354960
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50	J	**0.30**	mg/L	10	10/15/2024 17:23	R354625
Chloride	NELAP	1.00	5.00		**7.52**	mg/L	10	10/15/2024 17:23	R354625
Sulfate	NELAP	3.00	10.0		**104**	mg/L	10	10/15/2024 17:23	R354625
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**108**	mg/L	1	10/16/2024 13:15	229768
Magnesium	NELAP	0.0055	0.0500		**49.7**	mg/L	1	10/16/2024 13:15	229768
Potassium	NELAP	0.0400	0.100		**3.01**	mg/L	1	10/16/2024 13:15	229768
Sodium	NELAP	0.0180	0.0500		**84.7**	mg/L	1	10/16/2024 13:15	229768
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**0.0015**	mg/L	5	11/11/2024 7:50	230147
Arsenic	NELAP	0.0004	0.0010		**0.0016**	mg/L	5	10/21/2024 17:11	229768
Barium	NELAP	0.0007	0.0010		**0.107**	mg/L	5	10/21/2024 17:11	229768
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	10/21/2024 17:11	229768
Boron	NELAP	0.0092	0.0250		**0.595**	mg/L	5	10/21/2024 17:11	229768
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	10/21/2024 17:11	229768
Chromium	NELAP	0.0007	0.0015	J	**0.0007**	mg/L	5	10/21/2024 17:11	229768
Cobalt	NELAP	0.0001	0.0010		**0.0032**	mg/L	5	10/21/2024 17:11	229768
Lead	NELAP	0.0006	0.0010	J	**0.0007**	mg/L	5	10/17/2024 14:15	229768
Lithium	*	0.0015	0.0030		**0.0391**	mg/L	5	10/22/2024 8:44	229768
Molybdenum	NELAP	0.0006	0.0015		**0.0029**	mg/L	5	10/21/2024 17:11	229768
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	10/21/2024 17:11	229768
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	10/17/2024 14:15	229768
CCV recovered outside the upper control limits for Be, Cr and Se. Sample results are below the reporting limit. Data is reportable per the TNI standard.									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	10/18/2024 17:00	229870

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24100001

Client Project: BAL-24Q4 **Report Date:** 06-Dec-24

Lab ID: 24100001-040 **Client Sample ID:** PZ-170

Matrix: GROUNDWATER **Collection Date:** 10/14/2024 11:44

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**16.15**	ft	1	10/14/2024 11:44	R354883
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**< 1.0**	NTU	1	10/14/2024 11:44	R354883
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		**-218**	mV	1	10/14/2024 11:44	R354883
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**2920**	µS/cm	1	10/14/2024 11:44	R354883
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**17.0**	°C	1	10/14/2024 11:44	R354883
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.59**	mg/L	1	10/14/2024 11:44	R354883
SW-846 9040B FIELD									
pH	*	0	1.00		**6.49**		1	10/14/2024 11:44	R354883
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**646**	mg/L	1	10/15/2024 10:11	R354670
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	10/15/2024 10:11	R354670
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**1140**	mg/L	1	10/18/2024 12:14	R354960
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		**ND**	mg/L	10	10/15/2024 17:35	R354625
Chloride	NELAP	1.00	5.00		**83.5**	mg/L	10	10/15/2024 17:35	R354625
Sulfate	NELAP	3.00	10.0		**234**	mg/L	10	10/15/2024 17:35	R354625
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**202**	mg/L	1	10/16/2024 15:13	229768
Magnesium	NELAP	0.0055	0.0500		**82.7**	mg/L	1	10/16/2024 15:13	229768
Potassium	NELAP	0.0400	0.100		**1.51**	mg/L	1	10/16/2024 15:13	229768
Sodium	NELAP	0.0180	0.0500		**98.9**	mg/L	1	10/16/2024 15:13	229768
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	10/22/2024 8:50	229768
Arsenic	NELAP	0.0004	0.0010	J	**0.0009**	mg/L	5	10/21/2024 17:17	229768
Barium	NELAP	0.0007	0.0010		**0.0869**	mg/L	5	10/21/2024 17:17	229768
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	10/21/2024 17:17	229768
Boron	NELAP	0.0092	0.0250		**0.360**	mg/L	5	10/21/2024 17:17	229768
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	10/21/2024 17:17	229768
Chromium	NELAP	0.0007	0.0015		**< 0.0015**	mg/L	5	10/21/2024 17:17	229768
Cobalt	NELAP	0.0001	0.0010	J	**0.0009**	mg/L	5	10/21/2024 17:17	229768
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	10/17/2024 14:21	229768
Lithium	*	0.0015	0.0030		**0.0420**	mg/L	5	10/22/2024 8:50	229768
Molybdenum	NELAP	0.0006	0.0015		**< 0.0015**	mg/L	5	10/21/2024 17:17	229768
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	10/21/2024 17:17	229768
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	10/17/2024 14:21	229768

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

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

SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	10/18/2024 17:02	229870

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24100001

Client Project: BAL-24Q4 **Report Date:** 06-Dec-24

Lab ID: 24100001-044 **Client Sample ID:** PZ-182

Matrix: GROUNDWATER **Collection Date:** 10/15/2024 10:38

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**18.81**	ft	1	10/15/2024 10:38	R354883
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**< 1.0**	NTU	1	10/15/2024 10:38	R354883
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		**-165**	mV	1	10/15/2024 10:38	R354883
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**898**	µS/cm	1	10/15/2024 10:38	R354883
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**15.4**	°C	1	10/15/2024 10:38	R354883
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.87**	mg/L	1	10/15/2024 10:38	R354883
SW-846 9040B FIELD									
pH	*	0	1.00		**6.68**		1	10/15/2024 10:38	R354883
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**388**	mg/L	1	10/17/2024 11:46	R354803
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	10/17/2024 11:46	R354803
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**700**	mg/L	1	10/18/2024 12:25	R354960
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		**ND**	mg/L	10	10/16/2024 18:34	R354678
Chloride	NELAP	1.00	5.00		**32.5**	mg/L	10	10/16/2024 18:34	R354678
Sulfate	NELAP	3.00	10.0		**152**	mg/L	10	10/16/2024 18:34	R354678
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**147**	mg/L	1	10/18/2024 15:58	229829
Magnesium	NELAP	0.0055	0.0500		**54.7**	mg/L	1	10/18/2024 15:58	229829
Potassium	NELAP	0.0400	0.100		**0.502**	mg/L	1	10/18/2024 15:58	229829
Sodium	NELAP	0.0180	0.0500		**40.1**	mg/L	1	10/21/2024 13:13	229829
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	J	**0.0008**	mg/L	5	10/29/2024 17:19	230069
Arsenic	NELAP	0.0004	0.0010	J	**0.0004**	mg/L	5	10/23/2024 22:58	230069
Barium	NELAP	0.0007	0.0010		**0.0585**	mg/L	5	10/25/2024 3:02	230069
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	10/23/2024 22:58	230069
Boron	NELAP	0.0092	0.0250		**0.469**	mg/L	5	10/23/2024 22:58	230069
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	10/21/2024 21:49	229829
Chromium	NELAP	0.0007	0.0015		**< 0.0015**	mg/L	5	10/23/2024 22:58	230069
Cobalt	NELAP	0.0001	0.0010	J	**0.0002**	mg/L	5	10/21/2024 21:49	229829
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	10/23/2024 22:58	230069
Lithium	*	0.0015	0.0030		**0.0150**	mg/L	5	10/23/2024 22:58	230069
Molybdenum	NELAP	0.0006	0.0015		**< 0.0015**	mg/L	5	10/21/2024 21:49	229829
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	10/21/2024 21:49	229829
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	10/21/2024 21:49	229829

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

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

SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	10/18/2024 17:11	229870

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24100001

Client Project: BAL-24Q4 **Report Date:** 06-Dec-24

Lab ID: 24100001-045 **Client Sample ID:** TPZ-164

Matrix: GROUNDWATER **Collection Date:** 10/17/2024 12:17

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**4.35**	ft	1	10/17/2024 12:17	R354883
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**3.1**	NTU	1	10/17/2024 12:17	R354883
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		**-92**	mV	1	10/17/2024 12:17	R354883
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**766**	µS/cm	1	10/17/2024 12:17	R354883
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**18.9**	°C	1	10/17/2024 12:17	R354883
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.97**	mg/L	1	10/17/2024 12:17	R354883
SW-846 9040B FIELD									
pH	*	0	1.00		**7.36**		1	10/17/2024 12:17	R354883
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**242**	mg/L	1	10/21/2024 13:06	R354929
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	10/21/2024 13:06	R354929
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**525**	mg/L	2.5	10/18/2024 13:14	R354960
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50	J	**0.29**	mg/L	10	10/18/2024 10:15	R354816
Chloride	NELAP	1.00	5.00		**50.3**	mg/L	10	10/18/2024 10:15	R354816
Sulfate	NELAP	3.00	10.0		**114**	mg/L	10	10/18/2024 10:15	R354816
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**59.3**	mg/L	1	10/21/2024 10:09	229922
Magnesium	NELAP	0.0055	0.0500		**24.2**	mg/L	1	10/21/2024 10:09	229922
Potassium	NELAP	0.200	0.500		**11.3**	mg/L	5	10/22/2024 11:35	229922
Sodium	NELAP	0.0180	0.0500		**77.4**	mg/L	1	10/21/2024 10:09	229922
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	J	**0.0006**	mg/L	5	10/22/2024 12:33	229922
Arsenic	NELAP	0.0004	0.0010		**0.0018**	mg/L	5	10/22/2024 2:09	229922
Barium	NELAP	0.0007	0.0010		**0.0876**	mg/L	5	10/22/2024 2:09	229922
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	10/22/2024 2:09	229922
Boron	NELAP	0.0092	0.0250		**1.51**	mg/L	5	10/22/2024 2:09	229922
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	10/22/2024 2:09	229922
Chromium	NELAP	0.0007	0.0015	J	**0.0013**	mg/L	5	10/22/2024 2:09	229922
Cobalt	NELAP	0.0001	0.0010	J	**0.0007**	mg/L	5	10/22/2024 2:09	229922
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	10/22/2024 2:09	229922
Lithium	*	0.0015	0.0030		**0.0122**	mg/L	5	10/22/2024 12:33	229922
Molybdenum	NELAP	0.0006	0.0015		**0.0194**	mg/L	5	10/22/2024 2:09	229922
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	10/22/2024 2:09	229922
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	10/22/2024 2:09	229922

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

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

SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	10/22/2024 8:44	229905

Laboratory Results

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

Client: Ramboll **Work Order:** 24100001

Client Project: BAL-24Q4 **Report Date:** 06-Dec-24

Lab ID: 24100001-046 **Client Sample ID:** XPW01

Matrix: GROUNDWATER **Collection Date:** 10/17/2024 10:54

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**10.78**	ft	1	10/17/2024 10:54	R354883
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**7.3**	NTU	1	10/17/2024 10:54	R354883
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		**-37**	mV	1	10/17/2024 10:54	R354883
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**555**	µS/cm	1	10/17/2024 10:54	R354883
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**19.4**	°C	1	10/17/2024 10:54	R354883
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.49**	mg/L	1	10/17/2024 10:54	R354883
SW-846 9040B FIELD									
pH	*	0	1.00		**7.02**		1	10/17/2024 10:54	R354883
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**214**	mg/L	1	10/21/2024 12:04	R354929
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	10/21/2024 12:04	R354929
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**442**	mg/L	1	10/18/2024 13:14	R354960
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		**0.57**	mg/L	10	10/18/2024 10:27	R354816
Chloride	NELAP	1.00	5.00		**27.9**	mg/L	10	10/18/2024 10:27	R354816
Sulfate	NELAP	3.00	10.0		**60.4**	mg/L	10	10/18/2024 10:27	R354816
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**56.4**	mg/L	1	10/21/2024 10:36	229922
Magnesium	NELAP	0.0055	0.0500		**20.9**	mg/L	1	10/21/2024 10:36	229922
Potassium	NELAP	0.200	0.500		**10.9**	mg/L	5	10/22/2024 11:36	229922
Sodium	NELAP	0.0180	0.0500		**39.6**	mg/L	1	10/21/2024 10:36	229922
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	J	**0.0008**	mg/L	5	10/22/2024 12:40	229922
Arsenic	NELAP	0.0004	0.0010		**0.0027**	mg/L	5	10/22/2024 2:15	229922
Barium	NELAP	0.0007	0.0010		**0.175**	mg/L	5	10/22/2024 2:15	229922
Beryllium	NELAP	0.0002	0.0010	J	**0.0006**	mg/L	5	10/22/2024 2:15	229922
Boron	NELAP	0.0092	0.0250		**1.06**	mg/L	5	10/22/2024 2:15	229922
Cadmium	NELAP	0.0002	0.0010	J	**0.0002**	mg/L	5	10/22/2024 2:15	229922
Chromium	NELAP	0.0007	0.0015		**0.0168**	mg/L	5	10/22/2024 12:40	229922
Cobalt	NELAP	0.0001	0.0010		**0.0045**	mg/L	5	10/22/2024 2:15	229922
Lead	NELAP	0.0006	0.0010		**0.0031**	mg/L	5	10/23/2024 16:57	229922
Lithium	*	0.0015	0.0030		**0.0187**	mg/L	5	10/22/2024 12:40	229922
Molybdenum	NELAP	0.0006	0.0015		**0.0364**	mg/L	5	10/22/2024 2:15	229922
Selenium	NELAP	0.0006	0.0010		**0.0119**	mg/L	5	10/22/2024 12:40	229922
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	10/22/2024 2:15	229922

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

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

SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	10/21/2024 16:22	229905

Laboratory Results

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

Client: Ramboll **Work Order:** 24100001

Client Project: BAL-24Q4 **Report Date:** 06-Dec-24

Lab ID: 24100001-047 **Client Sample ID:** XPW05

Matrix: GROUNDWATER **Collection Date:** 10/17/2024 11:31

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**4.94**	ft	1	10/17/2024 11:31	R354883
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**9.0**	NTU	1	10/17/2024 11:31	R354883
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		**-131**	mV	1	10/17/2024 11:31	R354883
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**699**	µS/cm	1	10/17/2024 11:31	R354883
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**18.5**	°C	1	10/17/2024 11:31	R354883
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.27**	mg/L	1	10/17/2024 11:31	R354883
SW-846 9040B FIELD									
pH	*	0	1.00		**7.67**		1	10/17/2024 11:31	R354883
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**257**	mg/L	1	10/21/2024 12:53	R354929
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	10/21/2024 12:53	R354929
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**580**	mg/L	2.5	10/18/2024 13:15	R354960
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		**0.59**	mg/L	10	10/18/2024 11:02	R354816
Chloride	NELAP	1.00	5.00		**48.6**	mg/L	10	10/18/2024 11:02	R354816
Sulfate	NELAP	3.00	10.0		**103**	mg/L	10	10/18/2024 11:02	R354816
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**61.3**	mg/L	1	10/21/2024 10:38	229922
Magnesium	NELAP	0.0055	0.0500		**25.3**	mg/L	1	10/21/2024 10:38	229922
Potassium	NELAP	0.0400	0.100		**8.07**	mg/L	1	10/21/2024 10:38	229922
Sodium	NELAP	0.0180	0.0500		**86.5**	mg/L	1	10/21/2024 10:38	229922
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	10/22/2024 12:46	229922
Arsenic	NELAP	0.0004	0.0010		**0.0162**	mg/L	5	10/22/2024 2:21	229922
Barium	NELAP	0.0007	0.0010		**0.410**	mg/L	5	10/22/2024 2:21	229922
Beryllium	NELAP	0.0002	0.0010	J	**0.0003**	mg/L	5	10/22/2024 2:21	229922
Boron	NELAP	0.0092	0.0250		**0.719**	mg/L	5	10/22/2024 2:21	229922
Cadmium	NELAP	0.0002	0.0010	J	**0.0002**	mg/L	5	10/22/2024 2:21	229922
Chromium	NELAP	0.0007	0.0015		**0.0067**	mg/L	5	10/22/2024 12:46	229922
Cobalt	NELAP	0.0001	0.0010		**0.0016**	mg/L	5	10/22/2024 2:21	229922
Lead	NELAP	0.0006	0.0010		**0.0020**	mg/L	5	10/23/2024 17:03	229922
Lithium	*	0.0015	0.0030		**0.0070**	mg/L	5	10/22/2024 12:46	229922
Molybdenum	NELAP	0.0006	0.0015		**0.0095**	mg/L	5	10/22/2024 2:21	229922
Selenium	NELAP	0.0006	0.0010		**0.0032**	mg/L	5	10/22/2024 12:46	229922
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	10/22/2024 2:21	229922

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

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

SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	10/21/2024 18:32	229905

Laboratory Results

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

Client: Ramboll **Work Order:** 24100001

Client Project: BAL-24Q4 **Report Date:** 06-Dec-24

Lab ID: 24100001-048 **Client Sample ID:** XPW06

Matrix: GROUNDWATER **Collection Date:** 10/17/2024 10:18

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**2.54**	ft	1	10/17/2024 10:18	R354883
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**4.8**	NTU	1	10/17/2024 10:18	R354883
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		**-105**	mV	1	10/17/2024 10:18	R354883
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**820**	µS/cm	1	10/17/2024 10:18	R354883
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**18.7**	°C	1	10/17/2024 10:18	R354883
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.60**	mg/L	1	10/17/2024 10:18	R354883
SW-846 9040B FIELD									
pH	*	0	1.00		**7.36**		1	10/17/2024 10:18	R354883
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**335**	mg/L	1	10/21/2024 12:19	R354929
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	10/21/2024 12:19	R354929
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**565**	mg/L	2.5	10/23/2024 9:16	R355153
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		**0.61**	mg/L	10	10/18/2024 11:14	R354816
Chloride	NELAP	1.0	5.0	J	**4.9**	mg/L	10	10/18/2024 11:14	R354816
Sulfate	NELAP	3.00	10.0		**157**	mg/L	10	10/18/2024 11:14	R354816
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**96.2**	mg/L	1	10/21/2024 10:39	229922
Magnesium	NELAP	0.0055	0.0500		**28.4**	mg/L	1	10/21/2024 10:39	229922
Potassium	NELAP	0.400	1.00		**19.9**	mg/L	10	10/22/2024 11:38	229922
Sodium	NELAP	0.0180	0.0500		**75.0**	mg/L	1	10/21/2024 10:39	229922
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	10/23/2024 18:35	229922
Arsenic	NELAP	0.0004	0.0010		**0.0156**	mg/L	5	10/22/2024 2:27	229922
Barium	NELAP	0.0007	0.0010		**0.236**	mg/L	5	10/22/2024 2:27	229922
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	10/22/2024 2:27	229922
Boron	NELAP	0.0092	0.0250		**4.16**	mg/L	5	10/22/2024 2:27	229922
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	10/22/2024 2:27	229922
Chromium	NELAP	0.0007	0.0015		**0.0022**	mg/L	5	10/22/2024 14:34	229922
Cobalt	NELAP	0.0001	0.0010	J	**0.0007**	mg/L	5	10/22/2024 2:27	229922
Lead	NELAP	0.0006	0.0010	J	**0.0006**	mg/L	5	10/22/2024 2:27	229922
Lithium	*	0.0015	0.0030		**0.0078**	mg/L	5	10/22/2024 14:34	229922
Molybdenum	NELAP	0.0006	0.0015		**0.0384**	mg/L	5	10/22/2024 2:27	229922
Selenium	NELAP	0.0006	0.0010		**0.0021**	mg/L	5	10/22/2024 14:34	229922
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	10/22/2024 2:27	229922

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

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

SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	10/21/2024 18:34	229905

Laboratory Results

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

Client: Ramboll **Work Order:** 24100001

Client Project: BAL-24Q4 **Report Date:** 06-Dec-24

Lab ID: 24100001-049 **Client Sample ID:** Field Blank

Matrix: AQUEOUS **Collection Date:** 10/17/2024 13:08

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	10/21/2024 13:04	R354929
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	10/21/2024 13:04	R354929
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**< 20**	mg/L	1	10/18/2024 13:26	R354960
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		**ND**	mg/L	10	10/18/2024 11:25	R354816
Chloride	NELAP	1.00	5.00		**ND**	mg/L	10	10/18/2024 11:25	R354816
Sulfate	NELAP	3.00	10.0		**ND**	mg/L	10	10/18/2024 11:25	R354816
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**< 0.100**	mg/L	1	10/21/2024 11:11	229922
Magnesium	NELAP	0.0055	0.050	J	**0.0067**	mg/L	1	10/21/2024 11:11	229922
Potassium	NELAP	0.0400	0.100		**< 0.100**	mg/L	1	10/21/2024 11:11	229922
Sodium	NELAP	0.0180	0.0500		**< 0.0500**	mg/L	1	10/21/2024 11:11	229922
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	10/22/2024 12:52	229922
Arsenic	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	10/22/2024 2:34	229922
Barium	NELAP	0.0007	0.0010		**< 0.0010**	mg/L	5	10/22/2024 2:34	229922
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	10/22/2024 2:34	229922
Boron	NELAP	0.0092	0.0250		**0.0292**	mg/L	5	10/22/2024 2:34	229922
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	10/22/2024 2:34	229922
Chromium	NELAP	0.0007	0.0015		**< 0.0015**	mg/L	5	10/22/2024 2:34	229922
Cobalt	NELAP	0.0001	0.0010		**< 0.0010**	mg/L	5	10/22/2024 2:34	229922
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	10/22/2024 2:34	229922
Lithium	*	0.0015	0.0030		**< 0.0030**	mg/L	5	10/22/2024 2:34	229922
Molybdenum	NELAP	0.0006	0.0015		**< 0.0015**	mg/L	5	10/22/2024 2:34	229922
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	10/22/2024 2:34	229922
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	10/22/2024 2:34	229922

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

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

SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	10/21/2024 18:37	229905

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24100001

Client Project: BAL-24Q4 **Report Date:** 06-Dec-24

Lab ID: 24100001-050 **Client Sample ID:** MW-304 Duplicate

Matrix: GROUNDWATER **Collection Date:** 10/16/2024 9:33

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**9.54**	ft	1	10/16/2024 9:33	R354883
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**6.3**	NTU	1	10/16/2024 9:33	R354883
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		**-32**	mV	1	10/16/2024 9:33	R354883
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**2540**	µS/cm	1	10/16/2024 9:33	R354883
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**15.3**	°C	1	10/16/2024 9:33	R354883
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.24**	mg/L	1	10/16/2024 9:33	R354883
SW-846 9040B FIELD									
pH	*	0	1.00		**7.54**		1	10/16/2024 9:33	R354883
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**800**	mg/L	1	10/18/2024 12:50	R354869
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	10/18/2024 12:50	R354869
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**1390**	mg/L	1	10/18/2024 13:38	R354960
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		**1.82**	mg/L	10	10/17/2024 11:13	R354743
Chloride	NELAP	1.00	5.00		**169**	mg/L	10	10/17/2024 11:13	R354743
Sulfate	NELAP	3.00	10.0		**190**	mg/L	10	10/17/2024 11:13	R354743
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**12.4**	mg/L	1	10/18/2024 13:33	229864
Magnesium	NELAP	0.0055	0.0500		**4.89**	mg/L	1	10/18/2024 13:33	229864
Potassium	NELAP	0.0400	0.100		**2.48**	mg/L	1	10/18/2024 13:33	229864
Sodium	NELAP	0.0180	0.0500		**572**	mg/L	1	10/18/2024 13:33	229864
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	10/22/2024 11:39	229864
Arsenic	NELAP	0.0004	0.0010		**0.0032**	mg/L	5	10/19/2024 6:12	229864
Barium	NELAP	0.0007	0.0010		**0.0238**	mg/L	5	10/19/2024 6:12	229864
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	10/19/2024 6:12	229864
Boron	NELAP	0.0092	0.0250		**1.83**	mg/L	5	10/22/2024 1:09	229864
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	10/19/2024 6:12	229864
Chromium	NELAP	0.0007	0.0015		**< 0.0015**	mg/L	5	10/19/2024 6:12	229864
Cobalt	NELAP	0.0001	0.0010		**< 0.0010**	mg/L	5	10/19/2024 6:12	229864
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	10/19/2024 6:12	229864
Lithium	*	0.0015	0.0030		**0.0785**	mg/L	5	10/22/2024 11:39	229864
Molybdenum	NELAP	0.0006	0.0015	J	**0.0012**	mg/L	5	10/19/2024 6:12	229864
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	10/19/2024 6:12	229864
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	10/19/2024 6:12	229864

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

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

SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	10/18/2024 17:13	229870

Laboratory Results

Client: Ramboll **Work Order:** 24100001

Client Project: BAL-24Q4 **Report Date:** 06-Dec-24

Lab ID: 24100001-052 **Client Sample ID:** Equipment Blank 1

Matrix: AQUEOUS **Collection Date:** 10/17/2024 13:31

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		**12**	mg/L	1	10/21/2024 13:00	R354929
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	10/21/2024 13:00	R354929
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**20**	mg/L	1	10/18/2024 13:26	R354960
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		**ND**	mg/L	10	10/18/2024 11:37	R354816
Chloride	NELAP	1.00	5.00		**ND**	mg/L	10	10/18/2024 11:37	R354816
Sulfate	NELAP	3.00	10.0		**ND**	mg/L	10	10/18/2024 11:37	R354816
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**< 0.100**	mg/L	1	10/21/2024 11:13	229922
Magnesium	NELAP	0.0055	0.050	J	**0.0062**	mg/L	1	10/21/2024 11:13	229922
Potassium	NELAP	0.0400	0.100		**< 0.100**	mg/L	1	10/21/2024 11:13	229922
Sodium	NELAP	0.0180	0.0500		**< 0.0500**	mg/L	1	10/21/2024 11:13	229922
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	10/23/2024 18:41	229922
Arsenic	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	10/22/2024 2:40	229922
Barium	NELAP	0.0007	0.0010		**< 0.0010**	mg/L	5	10/22/2024 2:40	229922
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	10/22/2024 2:40	229922
Boron	NELAP	0.0092	0.0250		**< 0.0250**	mg/L	5	10/22/2024 2:40	229922
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	10/22/2024 2:40	229922
Chromium	NELAP	0.0007	0.0015		**< 0.0015**	mg/L	5	10/22/2024 2:40	229922
Cobalt	NELAP	0.0001	0.0010		**< 0.0010**	mg/L	5	10/22/2024 2:40	229922
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	10/22/2024 2:40	229922
Lithium	*	0.0015	0.0030		**< 0.0030**	mg/L	5	10/22/2024 2:40	229922
Molybdenum	NELAP	0.0006	0.0015		**< 0.0015**	mg/L	5	10/22/2024 2:40	229922
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	10/22/2024 2:40	229922
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	10/22/2024 2:40	229922

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

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

SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	10/21/2024 18:39	229905

Teklab, Inc. Environmental Laboratory

Sample Summary

Client: Ramboll
Client Project: BAL-24Q4

Work Order: 24100001
Report Date: 06-Dec-24

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
24100001-009	MW-192	Groundwater	2	10/15/2024 10:58
24100001-010	MW-193	Groundwater	2	10/15/2024 9:54
24100001-017	MW-304	Groundwater	4	10/16/2024 9:33
24100001-021	MW-356	Groundwater	2	10/16/2024 14:26
24100001-022	MW-358R	Groundwater	3	11/01/2024 11:28
24100001-024	MW-369	Groundwater	2	10/15/2024 11:25
24100001-025	MW-370	Groundwater	2	10/15/2024 13:56
24100001-028	MW-382	Groundwater	2	10/15/2024 13:32
24100001-033	MW-392	Groundwater	2	10/15/2024 10:38
24100001-034	MW-393	Groundwater	2	10/15/2024 10:14
24100001-035	MW-394	Groundwater	2	10/15/2024 9:29
24100001-038	OW-256	Groundwater	2	10/15/2024 11:40
24100001-039	OW-257	Groundwater	2	10/14/2024 13:06
24100001-040	PZ-170	Groundwater	2	10/14/2024 11:44
24100001-044	PZ-182	Groundwater	2	10/15/2024 10:38
24100001-045	TPZ-164	Groundwater	2	10/17/2024 12:17
24100001-046	XPW01	Groundwater	2	10/17/2024 10:54
24100001-047	XPW05	Groundwater	2	10/17/2024 11:31
24100001-048	XPW06	Groundwater	2	10/17/2024 10:18
24100001-049	Field Blank	Aqueous	4	10/17/2024 13:08
24100001-050	MW-304 Duplicate	Groundwater	4	10/16/2024 9:33
24100001-052	Equipment Blank 1	Aqueous	4	10/17/2024 13:31

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24100001

Client Project: BAL-24Q4 **Report Date:** 06-Dec-24

STANDARD METHODS 2510 B FIELD

Batch R354883 **SampType:** LCS Units **µS/cm**
SampID: LCS-1-BG

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1420**	1412	0	100.4	90	110	10/17/2024

Batch R354883 **SampType:** LCS Units **µS/cm**
SampID: LCS-1-JC

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	99.9	90	110	10/14/2024

Batch R354883 **SampType:** LCS Units **µS/cm**
SampID: LCS-1-TC

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	99.9	90	110	10/15/2024

Batch R354883 **SampType:** LCS Units **µS/cm**
SampID: LCS-2- BG

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1420**	1412	0	100.4	90	110	11/01/2024

Batch R354883 **SampType:** LCS Units **µS/cm**
SampID: LCS-2-JC

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	99.7	90	110	10/15/2024

Batch R354883 **SampType:** LCS Units **µS/cm**
SampID: LCS-2-TC

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1420**	1412	0	100.4	90	110	10/16/2024

Batch R354883 **SampType:** LCS Units **µS/cm**
SampID: LCS-3-JC

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	100.1	90	110	10/16/2024

Batch R354883 **SampType:** LCS Units **µS/cm**
SampID: LCS-3-TC

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	100.1	90	110	10/17/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24100001

Client Project: BAL-24Q4 **Report Date:** 06-Dec-24

SW-846 9040B FIELD

Batch R354883 **SampType:** LCS Units

SampID: LCS-1-BG

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.00**	7.000	0	100.0	98.57	101.4	10/17/2024

Batch R354883 **SampType:** LCS Units

SampID: LCS-1-JC

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**6.98**	7.000	0	99.7	98.57	101.4	10/14/2024

Batch R354883 **SampType:** LCS Units

SampID: LCS-1-TC

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.00**	7.000	0	100.0	98.57	101.4	10/15/2024

Batch R354883 **SampType:** LCS Units

SampID: LCS-2- BG

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.00**	7.000	0	100.0	98.57	101.4	11/01/2024

Batch R354883 **SampType:** LCS Units

SampID: LCS-2-JC

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.01**	7.000	0	100.1	98.57	101.4	10/15/2024

Batch R354883 **SampType:** LCS Units

SampID: LCS-2-TC

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.08**	7.000	0	101.1	98.57	101.4	10/16/2024

Batch R354883 **SampType:** LCS Units

SampID: LCS-3-JC

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.03**	7.000	0	100.4	98.57	101.4	10/16/2024

Batch R354883 **SampType:** LCS Units

SampID: LCS-3-TC

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.06**	7.000	0	100.9	98.57	101.4	10/17/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24100001

Client Project: BAL-24Q4 **Report Date:** 06-Dec-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R354960 **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	10/18/2024
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	10/18/2024
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	10/18/2024

Batch R354960 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**944**	1000	0	94.4	90	110	10/18/2024
Total Dissolved Solids		20		**926**	1000	0	92.6	90	110	10/18/2024
Total Dissolved Solids		20		**980**	1000	0	98.0	90	110	10/18/2024

Batch R354960 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24100001-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**612**				616.0	0.65	10/18/2024

Batch R354960 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24100001-042ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**628**				658.0	4.67	10/18/2024

Batch R354960 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24100001-047ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		50		**535**				580.0	8.07	10/18/2024

Batch R355026 **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	10/21/2024
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	10/21/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24100001

Client Project: BAL-24Q4 **Report Date:** 06-Dec-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R355026 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**970**	1000	0	97.0	90	110	10/21/2024
Total Dissolved Solids		20		**984**	1000	0	98.4	90	110	10/21/2024

Batch R355026 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24101461-004BDUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**654**				660.0	0.91	10/21/2024

Batch R355026 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24101563-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		50		**400**				435.0	8.38	10/21/2024

Batch R355026 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24101587-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		50		**520**				510.0	1.94	10/21/2024

Batch R355153 **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	10/23/2024
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	10/23/2024
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	10/23/2024

Batch R355153 **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		**974**	1000	0	97.4	90	110	10/23/2024
Total Dissolved Solids		20		**1010**	1000	0	100.6	90	110	10/23/2024
Total Dissolved Solids		20		**1010**	1000	0	100.6	90	110	10/23/2024

Batch R355153 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24101717-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**1740**				1706	1.97	10/23/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24100001

Client Project: BAL-24Q4 **Report Date:** 06-Dec-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R355153 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24101735-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		200		**5480**				5280	3.72	10/23/2024

Batch R355153 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24101822-002ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**406**				414.0	1.95	10/23/2024

Batch R355895 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	11/07/2024
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	11/07/2024

Batch R355895 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**984**	1000	0	98.4	90	110	11/07/2024
Total Dissolved Solids		20		**1010**	1000	0	100.6	90	110	11/07/2024

Batch R355895 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24101589-081ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**1830**				1828	0.11	11/07/2024

Batch R355895 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24102207-021ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**1150**				1210	5.08	11/07/2024

Batch R356859 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	11/26/2024
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	11/26/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24100001

Client Project: BAL-24Q4 **Report Date:** 06-Dec-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R356859 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**902**	1000	0	90.2	90	110	11/26/2024
Total Dissolved Solids		20		**998**	1000	0	99.8	90	110	11/26/2024

Batch R356859 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24111142-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		50	H	**410**				450.0	9.30	11/26/2024

Batch R356859 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24111493-007ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		100	H	**10700**				10320	3.24	11/26/2024

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

Batch R354571 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**< 0.05**	0.0250	0	0	-100	100	10/14/2024
Nitrogen, Nitrite (as N)		0.05		**< 0.05**	0.0250	0	0	-100	100	10/14/2024
Nitrogen, Nitrite (as N)		0.05		**< 0.05**	0.0250	0	0	-100	100	10/14/2024

Batch R354571 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.32**	0.3045	0	104.8	90	110	10/14/2024
Nitrogen, Nitrite (as N)		0.05		**0.32**	0.3045	0	103.4	90	110	10/14/2024
Nitrogen, Nitrite (as N)		0.05		**0.31**	0.3045	0	101.1	90	110	10/14/2024

Batch R354571 **SampType:** MS Units **mg/L**
SampID: 24101251-002AMS

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	0.03100	93.0	85	115	10/14/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24100001

Client Project: BAL-24Q4 **Report Date:** 06-Dec-24

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

Batch R354571 **SampType:** MSD Units **mg/L** RPD Limit **10**

SampID: 24101251-002AMSD

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	0.03100	93.2	0.4960	0.20	10/14/2024

Batch R354571 **SampType:** MS Units **mg/L**

SampID: 24101261-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.53**	0.5000	0.05200	95.4	85	115	10/14/2024

Batch R354571 **SampType:** MSD Units **mg/L** RPD Limit **10**

SampID: 24101261-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.53**	0.5000	0.05200	95.4	0.5290	0.00	10/14/2024

Batch R354718 **SampType:** MBLK Units **mg/L**

SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**< 0.05**	0.0250	0	0	-100	100	10/16/2024
Nitrogen, Nitrite (as N)		0.05		**< 0.05**	0.0250	0	0	-100	100	10/16/2024
Nitrogen, Nitrite (as N)		0.05		**< 0.05**	0.0250	0	0	-100	100	10/16/2024
Nitrogen, Nitrite (as N)		0.05		**< 0.05**	0.0250	0	0	-100	100	10/16/2024

Batch R354718 **SampType:** LCS Units **mg/L**

SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.30**	0.3045	0	99.5	90	110	10/16/2024
Nitrogen, Nitrite (as N)		0.05		**0.30**	0.3045	0	99.8	90	110	10/16/2024
Nitrogen, Nitrite (as N)		0.05		**0.30**	0.3045	0	97.2	90	110	10/16/2024
Nitrogen, Nitrite (as N)		0.05		**0.30**	0.3045	0	99.8	90	110	10/16/2024

Batch R354718 **SampType:** MS Units **mg/L**

SampID: 24101461-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05	H	**0.51**	0.5000	0.01800	98.6	85	115	10/16/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24100001

Client Project: BAL-24Q4 **Report Date:** 06-Dec-24

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

Batch R354718 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24101461-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05	H	**0.51**	0.5000	0.01800	97.6	0.5110	0.98	10/16/2024

Batch R354718 **SampType:** MS Units **mg/L**
SampID: 24101469-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05	S	**0.13**	0.5000	0	26.2	85	115	10/16/2024

Batch R354718 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24101469-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05	S	**0.12**	0.5000	0	24.2	0.1310	7.94	10/16/2024

Batch R354718 **SampType:** MS Units **mg/L**
SampID: 24101500-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.50**	0.5000	0.008000	97.6	85	115	10/16/2024

Batch R354718 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24101500-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.50**	0.5000	0.008000	98.8	0.4960	1.20	10/16/2024

Batch R354799 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**< 0.05**	0.0250	0	0	-100	100	10/17/2024
Nitrogen, Nitrite (as N)		0.05		**< 0.05**	0.0250	0	0	-100	100	10/17/2024

Batch R354799 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.30**	0.3045	0	98.2	90	110	10/17/2024
Nitrogen, Nitrite (as N)		0.05		**0.30**	0.3045	0	99.5	90	110	10/17/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24100001

Client Project: BAL-24Q4 **Report Date:** 06-Dec-24

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

Batch R354799 **SampType:** MS Units **mg/L**
SampID: 24100001-004AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.49**	0.5000	0	98.0	85	115	10/17/2024

Batch R354799 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24100001-004AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.49**	0.5000	0	97.2	0.4900	0.82	10/17/2024

Batch R354799 **SampType:** MS Units **mg/L**
SampID: 24100001-015AMS

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	10/17/2024

Batch R354799 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24100001-015AMSD

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	97.0	0.4820	0.62	10/17/2024

Batch R354799 **SampType:** MS Units **mg/L**
SampID: 24101637-001BMS

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	100.0	85	115	10/17/2024

Batch R354799 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24101637-001BMSD

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	99.4	0.5000	0.60	10/17/2024

Batch R354799 **SampType:** MS Units **mg/L**
SampID: 24101637-004BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.50**	0.5000	0	99.4	85	115	10/17/2024

Batch R354799 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24101637-004BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.50**	0.5000	0	100.8	0.4970	1.40	10/17/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24100001

Client Project: BAL-24Q4 **Report Date:** 06-Dec-24

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

Batch R354799 **SampType:** MS Units **mg/L**
SampID: 24101695-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.50**	0.5000	0.005000	98.2	85	115	10/17/2024

Batch R354799 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24101695-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.49**	0.5000	0.005000	97.8	0.4960	0.40	10/17/2024

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

Batch R354637 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate (as N)		0.050		**< 0.050**						10/14/2024
Nitrogen, Nitrate-Nitrite (as N)		0.050		**< 0.050**	0.0090	0	0	-100	100	10/14/2024

Batch R354637 **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		**0.540**	0.5000	0	108.0	90	110	10/14/2024

Batch R354637 **SampType:** MS Units **mg/L**
SampID: 24101036-004AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		2.50		**30.6**	12.50	18.54	96.7	90	110	10/14/2024

Batch R354637 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24101036-004AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		2.50		**32.0**	12.50	18.54	107.6	30.63	4.33	10/14/2024

Batch R354637 **SampType:** MS Units **mg/L**
SampID: 24101179-003AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		**10.2**	5.000	5.223	99.2	90	110	10/14/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24100001

Client Project: BAL-24Q4 **Report Date:** 06-Dec-24

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

Batch R354637 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24101179-003AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		**10.6**	5.000	5.223	106.7	10.19	3.59	10/14/2024

Batch R354637 **SampType:** MS Units **mg/L**
SampID: 24101251-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		5.00		**54.1**	25.00	29.16	99.6	90	110	10/14/2024

Batch R354637 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24101251-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		5.00		**55.4**	25.00	29.16	105.1	54.05	2.54	10/14/2024

Batch R354747 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate (as N)		0.050		**< 0.050**						10/16/2024
Nitrogen, Nitrate-Nitrite (as N)		0.050		**< 0.050**	0.0090	0	0	-100	100	10/16/2024

Batch R354747 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.513**	0.5000	0	102.6	90	110	10/16/2024

Batch R354747 **SampType:** MS Units **mg/L**
SampID: 24101160-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.250		**1.73**	1.250	0.5190	96.9	90	110	10/16/2024

Batch R354747 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24101160-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.250		**1.73**	1.250	0.5190	97.0	1.730	0.06	10/16/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24100001

Client Project: BAL-24Q4 **Report Date:** 06-Dec-24

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

Batch R354747 **SampType:** MS Units **mg/L**
SampID: 24101453-001DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.100		**1.47**	0.5000	1.005	93.0	90	110	10/16/2024

Batch R354747 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24101453-001DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.100		**1.53**	0.5000	1.005	105.4	1.470	4.13	10/16/2024

Batch R354747 **SampType:** MS Units **mg/L**
SampID: 24101500-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		2.50		**33.8**	12.50	21.68	97.4	90	110	10/16/2024

Batch R354747 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24101500-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		2.50		**34.4**	12.50	21.68	101.7	33.85	1.59	10/16/2024

Batch R354821 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate (as N)		0.050		**< 0.050**						10/17/2024
Nitrogen, Nitrate-Nitrite (as N)		0.050		**< 0.050**	0.0090	0	0	-100	100	10/17/2024

Batch R354821 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.520**	0.5000	0	104.0	90	110	10/17/2024

Batch R354821 **SampType:** MS Units **mg/L**
SampID: 24101550-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		2.50		**27.8**	12.50	14.52	106.0	90	110	10/17/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24100001

Client Project: BAL-24Q4 **Report Date:** 06-Dec-24

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

Batch R354821 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24101550-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		2.50		**26.8**	12.50	14.52	98.0	27.77	3.68	10/17/2024

Batch R354821 **SampType:** MS Units **mg/L**
SampID: 24101563-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.235**	0.2500	0	94.0	85	115	10/17/2024

Batch R354821 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24101563-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.243**	0.2500	0	97.2	0.2350	3.35	10/17/2024

Batch R354821 **SampType:** MS Units **mg/L**
SampID: 24101587-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.230**	0.2500	0	92.0	85	115	10/17/2024

Batch R354821 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24101587-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.226**	0.2500	0	90.4	0.2300	1.75	10/17/2024

Batch R354821 **SampType:** MS Units **mg/L**
SampID: 24101654-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		2.50		**32.9**	12.50	20.97	95.4	90	110	10/17/2024

Batch R354821 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24101654-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		2.50		**33.8**	12.50	20.97	102.8	32.90	2.79	10/17/2024

Batch R354821 **SampType:** MS Units **mg/L**
SampID: 24101680-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		2.50		**34.5**	12.50	22.10	99.4	90	110	10/17/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24100001

Client Project: BAL-24Q4 **Report Date:** 06-Dec-24

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

Batch R354821 **SampType:** MSD Units **mg/L** RPD Limit **10**

SampID: 24101680-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		2.50		**34.2**	12.50	22.10	96.5	34.52	1.04	10/17/2024

SW846 9056A DISSOLVED ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R354625 **SampType:** MS Units **mg/L**

SampID: 24100001-008BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		5.00		**218**	200.0	15.42	101.4	80	120	10/15/2024
Sulfate		10.0		**253**	200.0	64.50	94.3	80	120	10/15/2024

Batch R354625 **SampType:** MSD Units **mg/L** RPD Limit **15**

SampID: 24100001-008BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		5.00		**218**	200.0	15.42	101.4	218.2	0.03	10/15/2024
Sulfate		10.0		**253**	200.0	64.50	94.4	253.2	0.09	10/15/2024

Batch R354678 **SampType:** MS Units **mg/L**

SampID: 24100001-003BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		5.00		**256**	200.0	46.36	104.9	80	120	10/16/2024
Sulfate		10.0		**1080**	200.0	870.3	105.0	80	120	10/16/2024

Batch R354678 **SampType:** MSD Units **mg/L** RPD Limit **15**

SampID: 24100001-003BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		5.00		**253**	200.0	46.36	103.5	256.2	1.08	10/16/2024
Sulfate		10.0		**1070**	200.0	870.3	101.8	1080	0.59	10/16/2024

Batch R354678 **SampType:** MS Units **mg/L**

SampID: 24100001-018BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		5.00		**219**	200.0	17.52	100.6	80	120	10/16/2024
Sulfate		10.0		**201**	200.0	16.52	92.2	80	120	10/16/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24100001

Client Project: BAL-24Q4 **Report Date:** 06-Dec-24

SW846 9056A DISSOLVED ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R354678 **SampType:** MSD Units mg/L RPD Limit 15

SampID: 24100001-018BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		5.00		**219**	200.0	17.52	100.6	218.6	0.04	10/16/2024
Sulfate		10.0		**201**	200.0	16.52	92.2	200.9	0.01	10/16/2024

Batch R354678 **SampType:** MS Units mg/L

SampID: 24101461-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		5.00		**214**	200.0	11.10	101.6	80	120	10/16/2024
Sulfate		10.0		**187**	200.0	0	93.6	80	120	10/16/2024

Batch R354678 **SampType:** MSD Units mg/L RPD Limit 15

SampID: 24101461-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		5.00		**216**	200.0	11.10	102.6	214.2	0.93	10/16/2024
Sulfate		10.0		**189**	200.0	0	94.5	187.1	1.04	10/16/2024

Batch R354678 **SampType:** MS Units mg/L

SampID: 24101461-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		5.00		**272**	200.0	59.10	106.5	80	120	10/16/2024
Sulfate		10.0		**275**	200.0	83.27	96.0	80	120	10/16/2024

Batch R354678 **SampType:** MSD Units mg/L RPD Limit 15

SampID: 24101461-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		5.00		**272**	200.0	59.10	106.4	272.0	0.07	10/16/2024
Sulfate		10.0		**275**	200.0	83.27	95.9	275.3	0.08	10/16/2024

Batch R354743 **SampType:** MS Units mg/L

SampID: 24100001-004BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		5.00		**258**	200.0	49.43	104.5	80	120	10/17/2024
Sulfate		10.0		**306**	200.0	113.9	96.1	80	120	10/17/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24100001

Client Project: BAL-24Q4 **Report Date:** 06-Dec-24

SW846 9056A DISSOLVED ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R354743 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24100001-004BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		5.00		**260**	200.0	49.43	105.2	258.4	0.53	10/17/2024
Sulfate		10.0		**306**	200.0	113.9	96.3	306.2	0.10	10/17/2024

Batch R354743 **SampType:** MS Units **mg/L**
SampID: 24100001-005BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		5.00		**268**	200.0	55.59	106.2	80	120	10/17/2024
Sulfate		10.0		**1190**	200.0	985.9	103.8	80	120	10/17/2024

Batch R354743 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24100001-005BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		5.00		**267**	200.0	55.59	105.8	268.0	0.32	10/17/2024
Sulfate		10.0		**1190**	200.0	985.9	101.8	1193	0.34	10/17/2024

Batch R354816 **SampType:** MS Units **mg/L**
SampID: 24101637-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		5.00		**233**	200.0	26.57	103.3	80	120	10/18/2024
Sulfate		10.0		**207**	200.0	18.73	94.1	80	120	10/18/2024

Batch R354816 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24101637-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		5.00		**233**	200.0	26.57	103.4	233.1	0.15	10/18/2024
Sulfate		10.0		**207**	200.0	18.73	94.3	207.0	0.15	10/18/2024

Batch R354943 **SampType:** MS Units **mg/L**
SampID: 24101820-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		5.00		**237**	200.0	27.40	105.0	80	120	10/22/2024
Sulfate		10.0		**345**	200.0	150.5	97.4	80	120	10/22/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24100001

Client Project: BAL-24Q4 **Report Date:** 06-Dec-24

SW846 9056A DISSOLVED ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R354943 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24101820-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		5.00		**237**	200.0	27.40	105.0	237.5	0.00	10/22/2024
Sulfate		10.0		**344**	200.0	150.5	97.0	345.2	0.23	10/22/2024

Batch R354943 **SampType:** MS Units **mg/L**
SampID: 24101820-005BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		5.00		**208**	200.0	2.372	103.0	80	120	10/22/2024
Sulfate		10.0		**385**	200.0	186.7	99.4	80	120	10/22/2024

Batch R354943 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24101820-005BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		5.00		**209**	200.0	2.372	103.2	208.4	0.20	10/22/2024
Sulfate		10.0		**385**	200.0	186.7	99.0	385.4	0.17	10/22/2024

Batch R354943 **SampType:** MS Units **mg/L**
SampID: 24101820-009BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		5.00		**294**	200.0	77.01	108.7	80	120	10/22/2024
Sulfate		10.0		**285**	200.0	90.80	96.9	80	120	10/22/2024

Batch R354943 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24101820-009BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		5.00		**295**	200.0	77.01	108.9	294.3	0.18	10/22/2024
Sulfate		10.0		**285**	200.0	90.80	97.2	284.6	0.23	10/22/2024

Batch R355616 **SampType:** MS Units **mg/L**
SampID: 24101589-030BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		5.00		**267**	200.0	51.45	108.0	80	120	11/06/2024
Sulfate		10.0		**278**	200.0	85.79	96.2	80	120	11/06/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24100001

Client Project: BAL-24Q4 **Report Date:** 06-Dec-24

SW846 9056A DISSOLVED ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R355616 **SampType:** MSD Units **mg/L** RPD Limit **15**

SampID: 24101589-030BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		5.00		**267**	200.0	51.45	107.6	267.5	0.35	11/06/2024
Sulfate		10.0		**277**	200.0	85.79	95.6	278.2	0.42	11/06/2024

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R354625 **SampType:** MBLK Units **mg/L**

SampID: MBLK/ICB

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.05		**ND**						10/15/2024
Chloride		0.50		**ND**						10/15/2024
Sulfate		1.00		**ND**						10/15/2024

Batch R354625 **SampType:** LCS Units **mg/L**

SampID: LCS/ICV/QCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.05		**0.99**	1.000	0	99.5	90	110	10/15/2024
Chloride		0.50		**20.1**	20.00	0	100.5	90	110	10/15/2024
Sulfate		1.00		**18.6**	20.00	0	93.1	90	110	10/15/2024

Batch R354625 **SampType:** MS Units **mg/L**

SampID: 24100001-029AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**10.7**	10.00	0.6920	99.8	80	120	10/15/2024
Chloride		5.00		**248**	200.0	40.95	103.6	80	120	10/15/2024
Sulfate		10.0		**353**	200.0	159.9	96.7	80	120	10/15/2024

Batch R354625 **SampType:** MSD Units **mg/L** RPD Limit **15**

SampID: 24100001-029AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**10.7**	10.00	0.6920	100.4	10.68	0.52	10/15/2024
Chloride		5.00		**249**	200.0	40.95	104.1	248.2	0.35	10/15/2024
Sulfate		10.0		**353**	200.0	159.9	96.7	353.3	0.01	10/15/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24100001

Client Project: BAL-24Q4 **Report Date:** 06-Dec-24

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R354625 **SampType:** MS Units **mg/L**
SampID: 24101303-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		50.0		**8020**	2000	5939	104.1	80	120	10/15/2024
Sulfate		100		**2000**	2000	141.6	93.2	80	120	10/15/2024

Batch R354625 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24101303-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		50.0		**8080**	2000	5939	106.9	8020	0.72	10/15/2024
Sulfate		100		**2010**	2000	141.6	93.5	2005	0.36	10/15/2024

Batch R354625 **SampType:** MS Units **mg/L**
SampID: 24101337-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.20		**4.25**	4.000	0.2264	100.5	80	120	10/16/2024
Chloride		2.00		**98.6**	80.00	15.56	103.8	80	120	10/16/2024
Sulfate		4.00		**142**	80.00	64.92	96.7	80	120	10/16/2024

Batch R354625 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24101337-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.20		**4.26**	4.000	0.2264	100.7	4.247	0.21	10/16/2024
Chloride		2.00		**98.9**	80.00	15.56	104.2	98.61	0.30	10/16/2024
Sulfate		4.00		**143**	80.00	64.92	97.3	142.3	0.31	10/16/2024

Batch R354625 **SampType:** MS Units **mg/L**
SampID: 24101337-003AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.20		**4.78**	4.000	0.6580	103.0	80	120	10/16/2024
Chloride		2.00		**92.7**	80.00	10.61	102.6	80	120	10/16/2024
Sulfate		4.00		**264**	80.00	183.2	101.3	80	120	10/16/2024

Batch R354625 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24101337-003AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.20		**4.80**	4.000	0.6580	103.6	4.780	0.48	10/16/2024
Chloride		2.00		**93.1**	80.00	10.61	103.1	92.68	0.46	10/16/2024
Sulfate		4.00		**266**	80.00	183.2	103.7	264.2	0.74	10/16/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24100001

Client Project: BAL-24Q4 **Report Date:** 06-Dec-24

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R354678 **SampType:** MBLK Units **mg/L**
SampID: MBLK/ICB

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.05		**ND**						10/16/2024
Chloride		0.50		**ND**						10/16/2024
Sulfate		1.00		**ND**						10/16/2024

Batch R354678 **SampType:** LCS Units **mg/L**
SampID: LCS/ICV/QCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.05		**1.02**	1.000	0	102.3	90	110	10/16/2024
Chloride		0.50		**20.1**	20.00	0	100.7	90	110	10/16/2024
Sulfate		1.00		**18.6**	20.00	0	93.1	90	110	10/16/2024

Batch R354678 **SampType:** MS Units **mg/L**
SampID: 24100001-023AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**10.4**	10.00	0.2900	101.5	80	120	10/16/2024
Chloride		5.00		**264**	200.0	56.59	103.6	80	120	10/16/2024
Sulfate		10.0		**1040**	200.0	838.3	102.0	80	120	10/16/2024

Batch R354678 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24100001-023AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**10.5**	10.00	0.2900	101.9	10.44	0.34	10/16/2024
Chloride		5.00		**263**	200.0	56.59	103.4	263.8	0.12	10/16/2024
Sulfate		10.0		**1040**	200.0	838.3	101.4	1042	0.12	10/16/2024

Batch R354678 **SampType:** MS Units **mg/L**
SampID: 24100001-025AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**13.4**	10.00	3.142	102.4	80	120	10/16/2024
Sulfate		10.0		**441**	200.0	251.7	94.8	80	120	10/16/2024

Batch R354678 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24100001-025AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**13.4**	10.00	3.142	102.8	13.39	0.25	10/16/2024
Sulfate		10.0		**444**	200.0	251.7	95.9	441.2	0.51	10/16/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24100001

Client Project: BAL-24Q4 **Report Date:** 06-Dec-24

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R354678 **SampType:** MS Units **mg/L**
SampID: 24101461-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**10.9**	10.00	0.4270	104.5	80	120	10/16/2024

Batch R354678 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24101461-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**11.0**	10.00	0.4270	105.7	10.88	1.12	10/16/2024

Batch R354678 **SampType:** MS Units **mg/L**
SampID: 24101461-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**10.9**	10.00	0.3760	105.4	80	120	10/16/2024

Batch R354678 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24101461-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**10.9**	10.00	0.3760	105.4	10.91	0.00	10/16/2024

Batch R354743 **SampType:** MBLK Units **mg/L**
SampID: MBLK/ICB

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.05		**ND**						10/17/2024
Chloride		0.50		**ND**						10/17/2024
Sulfate		1.00		**ND**						10/17/2024

Batch R354743 **SampType:** LCS Units **mg/L**
SampID: LCS/ICV/QCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.05		**1.06**	1.000	0	105.8	90	110	10/17/2024
Chloride		0.50		**20.1**	20.00	0	100.3	90	110	10/17/2024
Sulfate		1.00		**18.6**	20.00	0	93.0	90	110	10/17/2024

Batch R354743 **SampType:** MS Units **mg/L**
SampID: 24100001-025AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		10.0		**1920**	400.0	1521	100.6	80	120	10/17/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24100001

Client Project: BAL-24Q4 **Report Date:** 06-Dec-24

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R354743 **SampType:** MSD Units **mg/L** RPD Limit **15**

SampID: 24100001-025AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		10.0		**1920**	400.0	1521	100.3	1924	0.06	10/17/2024

Batch R354743 **SampType:** MS Units **mg/L**

SampID: 24101508-005AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**11.5**	10.00	0.6470	108.9	80	120	10/17/2024
Chloride		5.00		**284**	200.0	71.97	106.0	80	120	10/17/2024
Sulfate		10.0		**398**	200.0	203.2	97.3	80	120	10/17/2024

Batch R354743 **SampType:** MSD Units **mg/L** RPD Limit **15**

SampID: 24101508-005AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**11.5**	10.00	0.6470	108.7	11.53	0.16	10/17/2024
Chloride		5.00		**285**	200.0	71.97	106.3	284.0	0.22	10/17/2024
Sulfate		10.0		**399**	200.0	203.2	97.8	397.8	0.25	10/17/2024

Batch R354743 **SampType:** MS Units **mg/L**

SampID: 24101563-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**11.2**	10.00	0.3540	108.8	80	120	10/17/2024
Chloride		5.00		**282**	200.0	69.17	106.4	80	120	10/17/2024
Sulfate		10.0		**218**	200.0	28.07	94.8	80	120	10/17/2024

Batch R354743 **SampType:** MSD Units **mg/L** RPD Limit **15**

SampID: 24101563-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**11.3**	10.00	0.3540	109.5	11.23	0.61	10/17/2024
Chloride		5.00		**283**	200.0	69.17	106.7	281.9	0.25	10/17/2024
Sulfate		10.0		**218**	200.0	28.07	94.9	217.6	0.13	10/17/2024

Batch R354743 **SampType:** MS Units **mg/L**

SampID: 24101587-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**11.2**	10.00	0.2750	109.1	80	120	10/17/2024
Chloride		5.00		**331**	200.0	112.8	109.3	80	120	10/17/2024
Sulfate		10.0		**255**	200.0	62.86	96.0	80	120	10/17/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24100001

Client Project: BAL-24Q4 **Report Date:** 06-Dec-24

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R354743 **SampType:** MSD Units **mg/L** RPD Limit **15**

SampID: 24101587-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**11.2**	10.00	0.2750	109.3	11.19	0.13	10/17/2024
Chloride		5.00		**331**	200.0	112.8	109.1	331.4	0.12	10/17/2024
Sulfate		10.0		**255**	200.0	62.86	96.1	254.8	0.05	10/17/2024

Batch R354816 **SampType:** MBLK Units **mg/L**

SampID: MBLK/ICB

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.05		**ND**						10/18/2024
Chloride		0.50		**ND**						10/18/2024
Sulfate		1.00		**ND**						10/18/2024

Batch R354816 **SampType:** LCS Units **mg/L**

SampID: LCS/ICV/QCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.05		**1.10**	1.000	0	109.5	90	110	10/18/2024
Chloride		0.50		**20.2**	20.00	0	101.2	90	110	10/18/2024
Sulfate		1.00		**18.8**	20.00	0	93.8	90	110	10/18/2024

Batch R354816 **SampType:** MS Units **mg/L**

SampID: 24100001-046AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**11.4**	10.00	0.5720	108.3	80	120	10/18/2024
Chloride		5.00		**232**	200.0	27.86	101.9	80	120	10/18/2024
Sulfate		10.0		**248**	200.0	60.39	93.6	80	120	10/18/2024

Batch R354816 **SampType:** MSD Units **mg/L** RPD Limit **15**

SampID: 24100001-046AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**11.5**	10.00	0.5720	109.0	11.40	0.59	10/18/2024
Chloride		5.00		**234**	200.0	27.86	103.1	231.6	1.03	10/18/2024
Sulfate		10.0		**250**	200.0	60.39	94.8	247.6	0.95	10/18/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24100001

Client Project: BAL-24Q4 **Report Date:** 06-Dec-24

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R354816 **SampType:** MS Units **mg/L**
SampID: 24101635-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		5.00		**326**	200.0	109.6	108.5	80	120	10/18/2024
Sulfate		10.0		**420**	200.0	223.5	98.4	80	120	10/18/2024

Batch R354816 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24101635-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		5.00		**327**	200.0	109.6	108.5	326.5	0.02	10/18/2024
Sulfate		10.0		**420**	200.0	223.5	98.1	420.2	0.11	10/18/2024

Batch R354816 **SampType:** MS Units **mg/L**
SampID: 24101635-003AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**11.3**	10.00	0.3640	109.6	80	120	10/18/2024
Chloride		5.00		**289**	200.0	76.94	106.2	80	120	10/18/2024
Sulfate		10.0		**223**	200.0	34.39	94.2	80	120	10/18/2024

Batch R354816 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24101635-003AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**11.4**	10.00	0.3640	109.9	11.32	0.33	10/18/2024
Chloride		5.00		**288**	200.0	76.94	105.8	289.2	0.26	10/18/2024
Sulfate		10.0		**223**	200.0	34.39	94.1	222.8	0.09	10/18/2024

Batch R354816 **SampType:** MS Units **mg/L**
SampID: 24101637-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**11.4**	10.00	0.3650	110.1	80	120	10/18/2024

Batch R354816 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24101637-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**11.4**	10.00	0.3650	110.8	11.37	0.62	10/18/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24100001

Client Project: BAL-24Q4 **Report Date:** 06-Dec-24

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R354943 **SampType:** MBLK Units **mg/L**
SampID: MBLK/ICB

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.05		**ND**						10/22/2024
Chloride		0.50		**ND**						10/22/2024
Sulfate		1.00		**ND**						10/22/2024

Batch R354943 **SampType:** MBLK Units **mg/L**
SampID: MBLK-229898

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride	*	0.05		**ND**						10/23/2024
Chloride	*	0.50	J	**0.12**						10/23/2024
Sulfate	*	1.00		**ND**						10/23/2024

Batch R354943 **SampType:** LCS Units **mg/L**
SampID: LCS/ICV/QCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.05		**1.00**	1.000	0	100.1	90	110	10/22/2024
Chloride		0.50		**20.5**	20.00	0	102.4	90	110	10/22/2024
Sulfate		1.00		**18.8**	20.00	0	93.8	90	110	10/22/2024

Batch R354943 **SampType:** MS Units **mg/L**
SampID: 24101635-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**10.7**	10.00	0.5190	101.5	80	120	10/22/2024

Batch R354943 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24101635-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**10.7**	10.00	0.5190	102.1	10.67	0.54	10/22/2024

Batch R354943 **SampType:** MS Units **mg/L**
SampID: 24101651-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**10.5**	10.00	0.5210	99.8	80	120	10/23/2024
Chloride		5.00		**209**	200.0	3.787	102.6	80	120	10/23/2024
Sulfate		10.0		**1170**	200.0	960.2	102.9	80	120	10/23/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24100001

Client Project: BAL-24Q4 **Report Date:** 06-Dec-24

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R354943 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24101651-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**10.6**	10.00	0.5210	100.5	10.50	0.66	10/23/2024
Chloride		5.00		**210**	200.0	3.787	103.0	208.9	0.44	10/23/2024
Sulfate		10.0		**1170**	200.0	960.2	103.2	1166	0.05	10/23/2024

Batch R354943 **SampType:** MS Units **mg/L**
SampID: 24101819-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**10.1**	10.00	0	100.6	80	120	10/23/2024
Chloride		5.00		**212**	200.0	6.510	102.9	80	120	10/23/2024
Sulfate		10.0		**279**	200.0	84.81	97.0	80	120	10/23/2024

Batch R354943 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24101819-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**10.1**	10.00	0	100.7	10.06	0.12	10/23/2024
Chloride		5.00		**212**	200.0	6.510	103.0	212.2	0.10	10/23/2024
Sulfate		10.0		**279**	200.0	84.81	97.1	278.9	0.04	10/23/2024

Batch R354943 **SampType:** MS Units **mg/L**
SampID: 24101819-003AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**10.2**	10.00	0	102.4	80	120	10/22/2024
Chloride		5.00		**265**	200.0	51.18	107.1	80	120	10/22/2024
Sulfate		10.0		**337**	200.0	140.6	98.2	80	120	10/22/2024

Batch R354943 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24101819-003AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**10.3**	10.00	0	102.7	10.24	0.36	10/22/2024
Chloride		5.00		**266**	200.0	51.18	107.5	265.5	0.24	10/22/2024
Sulfate		10.0		**337**	200.0	140.6	98.4	337.0	0.13	10/22/2024

Batch R354943 **SampType:** MS Units **mg/L**
SampID: 24101820-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**10.2**	10.00	0.2090	99.8	80	120	10/22/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24100001

Client Project: BAL-24Q4 **Report Date:** 06-Dec-24

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R354943 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24101820-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**10.2**	10.00	0.2090	100.0	10.18	0.25	10/22/2024

Batch R354943 **SampType:** MS Units **mg/L**
SampID: 24101820-005BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**10.8**	10.00	0.7040	100.8	80	120	10/22/2024

Batch R354943 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24101820-005BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**10.8**	10.00	0.7040	101.0	10.78	0.17	10/22/2024

Batch R354943 **SampType:** MS Units **mg/L**
SampID: 24101820-009BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**10.3**	10.00	0	102.6	80	120	10/22/2024

Batch R354943 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24101820-009BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**10.3**	10.00	0	102.9	10.26	0.33	10/22/2024

Batch R354943 **SampType:** MS Units **mg/L**
SampID: 24101822-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**10.3**	10.00	0.3800	99.6	80	120	10/22/2024
Chloride		5.00		**208**	200.0	3.273	102.2	80	120	10/22/2024
Sulfate		10.0		**197**	200.0	9.222	93.9	80	120	10/22/2024

Batch R354943 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24101822-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**10.4**	10.00	0.3800	99.7	10.34	0.18	10/22/2024
Chloride		5.00		**209**	200.0	3.273	102.9	207.7	0.63	10/22/2024
Sulfate		10.0		**197**	200.0	9.222	94.1	197.0	0.24	10/22/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24100001

Client Project: BAL-24Q4 **Report Date:** 06-Dec-24

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R355616 **SampType:** MBLK Units **mg/L**
SampID: MBLK/ICB

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.05		**ND**						11/05/2024
Chloride		0.50		**ND**						11/05/2024
Sulfate		1.00		**ND**						11/05/2024

Batch R355616 **SampType:** LCS Units **mg/L**
SampID: LCS/ICV/QCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.05		**1.00**	1.000	0	100.4	90	110	11/05/2024
Chloride		0.50		**20.5**	20.00	0	102.7	90	110	11/05/2024
Sulfate		1.00		**18.5**	20.00	0	92.6	90	110	11/05/2024

Batch R355616 **SampType:** MS Units **mg/L**
SampID: 24100001-022AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**11.4**	10.00	1.197	101.9	80	120	11/05/2024
Chloride		5.00		**1220**	200.0	1042	91.0	80	120	11/05/2024
Sulfate		10.0		**365**	200.0	169.8	97.8	80	120	11/05/2024

Batch R355616 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24100001-022AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**11.4**	10.00	1.197	102.5	11.39	0.49	11/05/2024
Chloride		5.00		**1220**	200.0	1042	89.9	1224	0.19	11/05/2024
Sulfate		10.0		**366**	200.0	169.8	98.0	365.3	0.11	11/05/2024

Batch R355616 **SampType:** MS Units **mg/L**
SampID: 24101589-030BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**10.3**	10.00	0.3450	99.6	80	120	11/06/2024

Batch R355616 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24101589-030BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**10.3**	10.00	0.3450	99.5	10.30	0.10	11/06/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24100001

Client Project: BAL-24Q4 **Report Date:** 06-Dec-24

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R355616 **SampType:** MS Units **mg/L**
SampID: 24110188-003AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**9.88**	10.00	0	98.8	80	120	11/05/2024
Chloride		5.00		**374**	200.0	155.0	109.5	80	120	11/05/2024
Sulfate		10.0		**730**	200.0	531.6	99.1	80	120	11/05/2024

Batch R355616 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24110188-003AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**9.93**	10.00	0	99.3	9.875	0.53	11/05/2024
Chloride		5.00		**375**	200.0	155.0	110.1	374.1	0.30	11/05/2024
Sulfate		10.0		**731**	200.0	531.6	99.5	729.9	0.10	11/05/2024

Batch R355616 **SampType:** MS Units **mg/L**
SampID: 24110189-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**9.92**	10.00	0	99.2	80	120	11/05/2024
Chloride		5.00		**223**	200.0	16.85	103.1	80	120	11/05/2024
Sulfate		10.0		**1160**	200.0	953.2	101.9	80	120	11/05/2024

Batch R355616 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24110189-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**9.96**	10.00	0	99.6	9.923	0.37	11/05/2024
Chloride		5.00		**224**	200.0	16.85	103.5	223.1	0.31	11/05/2024
Sulfate		10.0		**1160**	200.0	953.2	103.3	1157	0.24	11/05/2024

Batch R355616 **SampType:** MS Units **mg/L**
SampID: 24110221-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**9.84**	10.00	0	98.4	80	120	11/05/2024
Chloride		5.00		**215**	200.0	9.207	102.7	80	120	11/05/2024
Sulfate		10.0		**220**	200.0	33.48	93.2	80	120	11/05/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24100001

Client Project: BAL-24Q4 **Report Date:** 06-Dec-24

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R355616 **SampType:** MSD Units **mg/L** RPD Limit **15**

SampID: 24110221-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**9.85**	10.00	0	98.5	9.843	0.03	11/05/2024
Chloride		5.00		**214**	200.0	9.207	102.6	214.7	0.14	11/05/2024
Sulfate		10.0		**219**	200.0	33.48	92.9	219.8	0.27	11/05/2024

Batch R355616 **SampType:** MS Units **mg/L**

SampID: 24110232-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**10.7**	10.00	0.7990	98.8	80	120	11/05/2024
Chloride		5.00		**213**	200.0	7.226	102.8	80	120	11/05/2024
Sulfate		10.0		**299**	200.0	107.0	95.8	80	120	11/05/2024

Batch R355616 **SampType:** MSD Units **mg/L** RPD Limit **15**

SampID: 24110232-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**10.7**	10.00	0.7990	98.6	10.68	0.20	11/05/2024
Chloride		5.00		**213**	200.0	7.226	102.7	212.9	0.09	11/05/2024
Sulfate		10.0		**299**	200.0	107.0	95.8	298.6	0.01	11/05/2024

Batch R355616 **SampType:** MS Units **mg/L**

SampID: 24110234-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**9.91**	10.00	0	99.1	80	120	11/06/2024
Chloride		5.00		**225**	200.0	16.08	104.2	80	120	11/06/2024
Sulfate		10.0		**225**	200.0	39.18	93.1	80	120	11/06/2024

Batch R355616 **SampType:** MSD Units **mg/L** RPD Limit **15**

SampID: 24110234-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**9.96**	10.00	0	99.6	9.907	0.54	11/06/2024
Chloride		5.00		**224**	200.0	16.08	103.7	224.5	0.43	11/06/2024
Sulfate		10.0		**225**	200.0	39.18	92.7	225.4	0.38	11/06/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24100001

Client Project: BAL-24Q4 **Report Date:** 06-Dec-24

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R355616 **SampType:** MS Units **mg/L**

SampID: 24110236-003AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**9.87**	10.00	0	98.7	80	120	11/05/2024
Chloride		5.00		**207**	200.0	2.717	102.3	80	120	11/05/2024
Sulfate		10.0		**187**	200.0	0	93.4	80	120	11/05/2024

Batch R355616 **SampType:** MSD Units **mg/L** RPD Limit **15**

SampID: 24110236-003AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**9.81**	10.00	0	98.1	9.870	0.59	11/05/2024
Chloride		5.00		**206**	200.0	2.717	101.7	207.3	0.64	11/05/2024
Sulfate		10.0		**186**	200.0	0	92.8	186.8	0.69	11/05/2024

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 229768 **SampType:** MBLK Units **mg/L**

SampID: MBLK-229768

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	10/16/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	10/16/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	10/16/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	10/16/2024

Batch 229768 **SampType:** LCS Units **mg/L**

SampID: LCS-229768

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.62**	2.500	0	104.8	85	115	10/16/2024
Magnesium		0.0500		**2.40**	2.500	0	95.9	85	115	10/16/2024
Potassium		0.100		**2.65**	2.500	0	105.9	85	115	10/16/2024
Sodium		0.0500		**2.66**	2.500	0	106.2	85	115	10/16/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24100001

Client Project: BAL-24Q4 **Report Date:** 06-Dec-24

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 229828 **SampType:** MBLK Units **mg/L**

SampID: MBLK-229828

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	10/18/2024
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	10/21/2024
Cobalt		0.0050		**< 0.0050**	0.0020	0	0	-100	100	10/21/2024
Lead		0.0150		**< 0.0150**	0.0014	0	0	-100	100	10/21/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	10/18/2024
Manganese		0.0070		**< 0.0070**	0.0025	0	0	-100	100	10/21/2024
Molybdenum		0.0100		**< 0.0100**	0.0037	0	0	-100	100	10/21/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	10/18/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	10/21/2024
Selenium		0.0400		**< 0.0400**	0.0170	0	0	-100	100	10/21/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	10/18/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	10/21/2024
Thallium		0.0500		**< 0.0500**	0.0111	0	0	-100	100	10/21/2024

Batch 229828 **SampType:** LCS Units **mg/L**

SampID: LCS-229828

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.50**	2.500	0	100.1	85	115	10/18/2024
Calcium		0.100		**2.70**	2.500	0	108.2	85	115	10/21/2024
Cobalt		0.0050		**0.544**	0.5000	0	108.7	85	115	10/21/2024
Lead		0.0150		**0.523**	0.5000	0	104.6	85	115	10/21/2024
Magnesium		0.0500		**2.39**	2.500	0	95.6	85	115	10/18/2024
Manganese		0.0070		**0.544**	0.5000	0	108.8	85	115	10/21/2024
Molybdenum		0.0100		**0.520**	0.5000	0	104.0	85	115	10/21/2024
Potassium		0.100		**2.52**	2.500	0	100.9	85	115	10/18/2024
Potassium		0.100		**2.71**	2.500	0	108.3	85	115	10/21/2024
Selenium		0.0400		**0.528**	0.5000	0	105.5	85	115	10/21/2024
Sodium		0.0500		**2.55**	2.500	0	102.0	85	115	10/18/2024
Sodium		0.0500		**2.68**	2.500	0	107.3	85	115	10/21/2024
Thallium		0.0500		**0.265**	0.2500	0	106.1	85	115	10/21/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24100001

Client Project: BAL-24Q4 **Report Date:** 06-Dec-24

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 229828 **SampType:** MS Units **mg/L**
SampID: 24100001-031BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**97.6**	2.500	96.21	57.6	75	125	10/18/2024
Magnesium		0.0500	S	**42.0**	2.500	40.22	69.4	75	125	10/18/2024
Potassium		0.100		**5.50**	2.500	3.174	93.2	75	125	10/18/2024
Sodium		0.0500	S	**88.0**	2.500	86.40	62.8	75	125	10/21/2024

Batch 229828 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24100001-031BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100		**98.6**	2.500	96.21	97.2	97.65	1.01	10/18/2024
Magnesium		0.0500		**42.3**	2.500	40.22	84.9	41.95	0.92	10/18/2024
Potassium		0.100		**5.62**	2.500	3.174	97.8	5.504	2.07	10/18/2024
Sodium		0.0500	S	**88.1**	2.500	86.40	68.4	87.97	0.16	10/21/2024

Batch 229829 **SampType:** MBLK Units **mg/L**
SampID: MBLK-229829

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		0.0200		**< 0.0200**	0.0090	0	0	-100	100	10/18/2024
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	10/18/2024
Iron		0.0400		**< 0.0400**	0.0200	0	0	-100	100	10/18/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	10/18/2024
Manganese		0.0070		**< 0.0070**	0.0025	0	0	-100	100	10/18/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	10/18/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	10/18/2024

Batch 229829 **SampType:** LCS Units **mg/L**
SampID: LCS-229829

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		0.0200		**0.488**	0.5000	0	97.7	85	115	10/18/2024
Calcium		0.100		**2.52**	2.500	0	100.8	85	115	10/18/2024
Iron		0.0400		**2.10**	2.000	0	105.0	85	115	10/18/2024
Magnesium		0.0500		**2.40**	2.500	0	96.2	85	115	10/18/2024
Manganese		0.0070		**0.500**	0.5000	0	100.1	85	115	10/18/2024
Potassium		0.100		**2.64**	2.500	0	105.6	85	115	10/18/2024
Sodium		0.0500		**2.53**	2.500	0	101.2	85	115	10/18/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24100001

Client Project: BAL-24Q4 **Report Date:** 06-Dec-24

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 229829 **SampType:** MS Units **mg/L**
SampID: 24100001-051BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**145**	2.500	144.7	30.4	75	125	10/18/2024
Magnesium		0.0500	S	**71.8**	2.500	70.56	51.4	75	125	10/18/2024
Potassium		0.100		**5.03**	2.500	2.347	107.5	75	125	10/18/2024
Sodium		0.0500		**56.6**	2.500	54.68	77.2	75	125	10/21/2024

Batch 229829 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24100001-051BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**149**	2.500	144.7	184.4	145.4	2.61	10/18/2024
Magnesium		0.0500	S	**73.7**	2.500	70.56	125.5	71.85	2.55	10/18/2024
Potassium		0.100		**5.03**	2.500	2.347	107.2	5.033	0.13	10/18/2024
Sodium		0.0500		**57.7**	2.500	54.68	120.4	56.61	1.89	10/21/2024

Batch 229829 **SampType:** MS Units **mg/L**
SampID: 24101508-003BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**22.5**	2.500	20.07	96.4	75	125	10/18/2024

Batch 229829 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24101508-003BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100		**22.0**	2.500	20.07	79.2	22.48	1.93	10/18/2024

Batch 229864 **SampType:** MBLK Units **mg/L**
SampID: MBLK-229864

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		0.0200		**< 0.0200**	0.0090	0	0	-100	100	10/18/2024
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	10/18/2024
Iron		0.0400		**< 0.0400**	0.0200	0	0	-100	100	10/18/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	10/18/2024
Manganese		0.0070		**< 0.0070**	0.0025	0	0	-100	100	10/18/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	10/18/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	10/18/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24100001

Client Project: BAL-24Q4 **Report Date:** 06-Dec-24

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 229864 **SampType:** LCS Units **mg/L**

SampID: LCS-229864

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		0.0200		**0.486**	0.5000	0	97.3	85	115	10/18/2024
Calcium		0.100		**2.52**	2.500	0	101.0	85	115	10/18/2024
Iron		0.0400		**1.98**	2.000	0	98.8	85	115	10/18/2024
Magnesium		0.0500		**2.37**	2.500	0	94.9	85	115	10/18/2024
Manganese		0.0070		**0.491**	0.5000	0	98.2	85	115	10/18/2024
Potassium		0.100		**2.65**	2.500	0	106.2	85	115	10/18/2024
Sodium		0.0500		**2.54**	2.500	0	101.7	85	115	10/18/2024

Batch 229864 **SampType:** MS Units **mg/L**

SampID: 24100001-015CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**212**	2.500	211.7	16.4	75	125	10/18/2024
Magnesium		0.0500	S	**83.5**	2.500	81.99	61.1	75	125	10/18/2024
Potassium		0.100		**4.51**	2.500	1.701	112.4	75	125	10/18/2024
Sodium		0.0500	S	**92.4**	2.500	90.97	55.6	75	125	10/18/2024

Batch 229864 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 24100001-015CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**213**	2.500	211.7	69.6	212.1	0.63	10/18/2024
Magnesium		0.0500		**84.4**	2.500	81.99	98.2	83.52	1.10	10/18/2024
Potassium		0.100		**4.50**	2.500	1.701	112.1	4.511	0.17	10/18/2024
Sodium		0.0500	S	**92.6**	2.500	90.97	65.6	92.36	0.27	10/18/2024

Batch 229922 **SampType:** MBLK Units **mg/L**

SampID: MBLK-229922

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	10/21/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	10/21/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	10/21/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	10/21/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24100001

Client Project: BAL-24Q4 **Report Date:** 06-Dec-24

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 229922 **SampType:** LCS Units **mg/L**
SampID: LCS-229922

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.62**	2.500	0	104.9	85	115	10/21/2024
Magnesium		0.0500		**2.33**	2.500	0	93.2	85	115	10/21/2024
Potassium		0.100		**2.73**	2.500	0	109.3	85	115	10/21/2024
Sodium		0.0500		**2.69**	2.500	0	107.7	85	115	10/21/2024

Batch 229922 **SampType:** MS Units **mg/L**
SampID: 24100001-012BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**186**	2.500	183.0	131.6	75	125	10/21/2024
Magnesium		0.0500		**76.7**	2.500	74.05	106.4	75	125	10/21/2024
Potassium		0.100		**7.72**	2.500	5.115	104.2	75	125	10/21/2024
Sodium		0.0500		**74.6**	2.500	71.87	108.4	75	125	10/21/2024

Batch 229922 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24100001-012BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**184**	2.500	183.0	44.4	186.3	1.18	10/21/2024
Magnesium		0.0500	S	**75.6**	2.500	74.05	61.3	76.71	1.48	10/21/2024
Potassium		0.100		**7.63**	2.500	5.115	100.6	7.720	1.18	10/21/2024
Sodium		0.0500	S	**73.4**	2.500	71.87	62.4	74.58	1.55	10/21/2024

Batch 229922 **SampType:** MS Units **mg/L**
SampID: 24100001-052CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.65**	2.500	0	106.1	75	125	10/21/2024
Magnesium		0.0500		**2.36**	2.500	0.006200	94.3	75	125	10/21/2024
Potassium		0.100		**2.70**	2.500	0	107.9	75	125	10/21/2024
Sodium		0.0500		**2.69**	2.500	0	107.6	75	125	10/21/2024

Batch 229922 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24100001-052CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100		**2.66**	2.500	0	106.6	2.652	0.46	10/21/2024
Magnesium		0.0500		**2.35**	2.500	0.006200	93.7	2.364	0.62	10/21/2024
Potassium		0.100		**2.72**	2.500	0	108.7	2.697	0.78	10/21/2024
Sodium		0.0500		**2.69**	2.500	0	107.5	2.691	0.10	10/21/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24100001

Client Project: BAL-24Q4 **Report Date:** 06-Dec-24

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 230069 **SampType:** MBLK Units **mg/L**
SampID: MBLK-230069

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	10/23/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	10/23/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	10/23/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	10/23/2024

Batch 230069 **SampType:** LCS Units **mg/L**
SampID: LCS-230069

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.41**	2.500	0	96.6	85	115	10/23/2024
Magnesium		0.0500		**2.26**	2.500	0	90.4	85	115	10/23/2024
Potassium		0.100		**2.61**	2.500	0	104.3	85	115	10/23/2024
Sodium		0.0500		**2.52**	2.500	0	100.9	85	115	10/23/2024

Batch 230147 **SampType:** MBLK Units **mg/L**
SampID: MBLK-230147

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0500		**< 0.0500**	0.0068	0	0	-100	100	10/24/2024
Arsenic		0.0250		**< 0.0250**	0.0087	0	0	-100	100	10/24/2024
Barium		0.0025		**< 0.0025**	0.0007	0	0	-100	100	10/24/2024
Beryllium		0.0005		**< 0.0005**	0.0002	0	0	-100	100	10/24/2024
Boron		0.0200		**< 0.0200**	0.0090	0	0	-100	100	10/24/2024
Cadmium		0.0020		**< 0.0020**	0.0005	0	0	-100	100	10/24/2024
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	10/24/2024
Chromium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	10/24/2024
Cobalt		0.0050		**< 0.0050**	0.0020	0	0	-100	100	10/24/2024
Iron		0.0400		**< 0.0400**	0.0200	0	0	-100	100	10/24/2024
Lead		0.0150		**< 0.0150**	0.0014	0	0	-100	100	10/24/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	10/24/2024
Manganese		0.0070		**< 0.0070**	0.0025	0	0	-100	100	10/24/2024
Molybdenum		0.0100		**< 0.0100**	0.0037	0	0	-100	100	10/24/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	10/24/2024
Selenium		0.0400		**< 0.0400**	0.0170	0	0	-100	100	10/24/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	10/24/2024
Thallium		0.0500		**< 0.0500**	0.0111	0	0	-100	100	10/24/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24100001

Client Project: BAL-24Q4 **Report Date:** 06-Dec-24

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 230147 **SampType:** LCS Units **mg/L**

SampID: LCS-230147

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0500		**0.522**	0.5000	0	104.4	85	115	10/24/2024
Arsenic		0.0250		**0.507**	0.5000	0	101.4	85	115	10/24/2024
Barium		0.0025		**1.98**	2.000	0	99.0	85	115	10/24/2024
Beryllium		0.0005		**0.0512**	0.0500	0	102.4	85	115	10/24/2024
Boron		0.0200		**0.488**	0.5000	0	97.7	85	115	10/24/2024
Cadmium		0.0020		**0.0488**	0.0500	0	97.6	85	115	10/24/2024
Calcium		0.100		**2.59**	2.500	0	103.5	85	115	10/24/2024
Chromium		0.0050		**0.206**	0.2000	0	103.0	85	115	10/24/2024
Cobalt		0.0050		**0.535**	0.5000	0	107.1	85	115	10/24/2024
Iron		0.0400		**2.23**	2.000	0	111.5	85	115	10/25/2024
Lead		0.0150		**0.508**	0.5000	0	101.5	85	115	10/24/2024
Magnesium		0.0500		**2.56**	2.500	0	102.3	85	115	10/24/2024
Manganese		0.0070		**0.504**	0.5000	0	100.9	85	115	10/24/2024
Molybdenum		0.0100		**0.507**	0.5000	0	101.4	85	115	10/24/2024
Potassium		0.100		**2.78**	2.500	0	111.0	85	115	10/24/2024
Selenium		0.0400		**0.507**	0.5000	0	101.4	85	115	10/24/2024
Sodium		0.0500		**2.56**	2.500	0	102.6	85	115	10/24/2024
Thallium		0.0500		**0.256**	0.2500	0	102.3	85	115	10/24/2024

Batch 230147 **SampType:** MS Units **mg/L**

SampID: 24100635-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**41.2**	2.500	38.10	124.8	75	125	10/24/2024
Magnesium		0.0500		**13.8**	2.500	11.22	104.6	75	125	10/24/2024
Potassium		0.100		**4.16**	2.500	1.430	109.2	75	125	10/24/2024
Sodium		0.0500	S	**76.5**	2.500	72.93	141.2	75	125	10/24/2024

Batch 230147 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 24100635-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100		**40.6**	2.500	38.10	102.0	41.22	1.39	10/24/2024
Magnesium		0.0500		**13.6**	2.500	11.22	97.0	13.83	1.39	10/24/2024
Potassium		0.100		**4.06**	2.500	1.430	105.4	4.159	2.29	10/24/2024
Sodium		0.0500		**75.2**	2.500	72.93	90.0	76.46	1.69	10/24/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24100001

Client Project: BAL-24Q4 **Report Date:** 06-Dec-24

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 230147 **SampType:** MS Units **mg/L**
SampID: 24100635-005BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**84.7**	2.500	81.45	131.6	75	125	10/24/2024
Magnesium		0.0500		**25.3**	2.500	22.72	104.4	75	125	10/24/2024
Potassium		0.100		**5.64**	2.500	3.138	100.3	75	125	10/24/2024
Sodium		0.0500	S	**45.2**	2.500	43.36	72.4	75	125	10/24/2024

Batch 230147 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24100635-005BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**82.8**	2.500	81.45	52.0	84.74	2.38	10/24/2024
Magnesium		0.0500		**24.7**	2.500	22.72	78.6	25.32	2.57	10/24/2024
Potassium		0.100		**5.66**	2.500	3.138	100.9	5.644	0.29	10/24/2024
Sodium		0.0500	S	**45.1**	2.500	43.36	69.6	45.17	0.16	10/24/2024

Batch 230648 **SampType:** MBLK Units **mg/L**
SampID: MBLK-230648

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	11/05/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	11/05/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	11/05/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	11/05/2024

Batch 230648 **SampType:** LCS Units **mg/L**
SampID: LCS-230648

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**5.12**	5.000	0	102.4	85	115	11/05/2024
Magnesium		0.0500		**4.75**	5.000	0	94.9	85	115	11/05/2024
Potassium		0.100		**4.99**	5.000	0	99.8	85	115	11/05/2024
Sodium		0.0500		**5.06**	5.000	0	101.3	85	115	11/05/2024

Batch 230648 **SampType:** MS Units **mg/L**
SampID: 24100001-014BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**90.3**	5.000	85.23	101.0	75	125	11/05/2024
Magnesium		0.0500		**41.6**	5.000	37.07	90.7	75	125	11/05/2024
Potassium		0.100		**7.72**	5.000	3.246	89.6	75	125	11/05/2024
Sodium		0.0500		**48.0**	5.000	43.58	88.6	75	125	11/05/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24100001

Client Project: BAL-24Q4 **Report Date:** 06-Dec-24

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 230648 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 24100001-014BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**87.4**	5.000	85.23	43.0	90.28	3.26	11/05/2024
Magnesium		0.0500	S	**40.4**	5.000	37.07	66.4	41.60	2.96	11/05/2024
Potassium		0.100		**7.46**	5.000	3.246	84.2	7.724	3.53	11/05/2024
Sodium		0.0500	S	**46.2**	5.000	43.58	52.2	48.01	3.86	11/05/2024

Batch 230648 **SampType:** MS Units **mg/L**

SampID: 24100001-022BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**54.2**	5.000	48.56	111.8	75	125	11/05/2024
Magnesium		0.0500		**19.9**	5.000	14.66	105.0	75	125	11/05/2024
Potassium		0.500		**13.7**	5.000	8.000	113.5	75	125	11/08/2024
Sodium		0.250	S	**894**	5.000	842.2	1044	75	125	11/06/2024

Batch 230648 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 24100001-022BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100		**54.7**	5.000	48.56	123.4	54.15	1.07	11/05/2024
Magnesium		0.0500		**20.2**	5.000	14.66	111.2	19.91	1.54	11/05/2024
Potassium		0.500		**13.4**	5.000	8.000	107.2	13.67	2.33	11/08/2024
Sodium		0.250	S	**876**	5.000	842.2	678.0	894.4	2.07	11/06/2024

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch 229735 **SampType:** MBLK Units **mg/L**

SampID: MBLK-229735

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	10/16/2024

Batch 229735 **SampType:** LCS Units **mg/L**

SampID: LCS-229735

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		0.0250		**0.528**	0.5000	0	105.5	80	120	10/17/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24100001

Client Project: BAL-24Q4 **Report Date:** 06-Dec-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch 229830 **SampType:** MBLK Units **mg/L**
SampID: MBLK-229830

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	10/21/2024
Iron		0.0250		**< 0.0250**	0.0115	0	0	-100	100	10/21/2024
Manganese		0.0020		**< 0.0020**	0.0008	0	0	-100	100	10/21/2024

Batch 229830 **SampType:** LCS Units **mg/L**
SampID: LCS-229830

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		0.0250		**0.537**	0.5000	0	107.5	80	120	10/21/2024
Iron		0.0250		**2.04**	2.000	0	102.2	80	120	10/21/2024
Manganese		0.0020		**0.514**	0.5000	0	102.8	80	120	10/21/2024

Batch 229830 **SampType:** MS Units **mg/L**
SampID: 24100001-051CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Iron		0.0250		**1.97**	2.000	0.01197	97.7	75	125	10/21/2024
Manganese		0.0020		**0.603**	0.5000	0.1020	100.2	75	125	10/21/2024

Batch 229830 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24100001-051CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Iron		0.0250		**2.08**	2.000	0.01197	103.4	1.966	5.64	10/21/2024
Manganese		0.0020		**0.610**	0.5000	0.1020	101.6	0.6029	1.17	10/21/2024

Batch 230027 **SampType:** MBLK Units **mg/L**
SampID: MBLK-230027

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	10/22/2024

Batch 230027 **SampType:** LCS Units **mg/L**
SampID: LCS-230027

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		0.0250		**0.506**	0.5000	0	101.1	80	120	10/22/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24100001

Client Project: BAL-24Q4 **Report Date:** 06-Dec-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch 230027 **SampType:** MS Units **mg/L**
SampID: 24100001-001DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		0.0250		**0.523**	0.5000	0.05222	94.2	75	125	10/22/2024

Batch 230027 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24100001-001DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Boron		0.0250		**0.521**	0.5000	0.05222	93.7	0.5233	0.46	10/22/2024

Batch 230028 **SampType:** MBLK Units **mg/L**
SampID: MBLK-230028

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	10/22/2024
Iron		0.0250		**< 0.0250**	0.0115	0	0	-100	100	10/22/2024
Manganese		0.0020		**< 0.0020**	0.0008	0	0	-100	100	10/22/2024

Batch 230028 **SampType:** LCS Units **mg/L**
SampID: LCS-230028

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		0.0250		**0.460**	0.5000	0	91.9	80	120	10/22/2024
Iron		0.0250		**1.71**	2.000	0	85.6	80	120	10/22/2024
Manganese		0.0020		**0.447**	0.5000	0	89.3	80	120	10/22/2024

Batch 230028 **SampType:** MS Units **mg/L**
SampID: 24100001-016DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		0.0250		**0.755**	0.5000	0.2026	110.6	75	125	10/30/2024

Batch 230028 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24100001-016DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Boron		0.0250		**0.751**	0.5000	0.2026	109.6	0.7554	0.61	10/30/2024

Batch 230686 **SampType:** MBLK Units **mg/L**
SampID: MBLK-230686

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Iron		0.0250		**< 0.0250**	0.0115	0	0	-100	100	11/13/2024
Manganese		0.0020		**< 0.0020**	0.0008	0	0	-100	100	11/13/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24100001

Client Project: BAL-24Q4 **Report Date:** 06-Dec-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch 230686 **SampType:** LCS Units **mg/L**

SampID: LCS-230686

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Iron		0.0250		**3.84**	4.000	0	95.9	80	120	11/13/2024
Manganese		0.0020		**0.969**	1.000	0	96.9	80	120	11/13/2024

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 229768 **SampType:** MBLK Units **mg/L**

SampID: MBLK-229768

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	10/22/2024
Arsenic		0.0010		**< 0.0010**	0.0004	0	0	-100	100	10/17/2024
Barium		0.0010		**< 0.0010**	0.0007	0	0	-100	100	10/17/2024
Beryllium		0.0010		**< 0.0010**	0.0002	0	0	-100	100	10/17/2024
Boron	*	0.0250		**< 0.0250**	0.0093	0	0	-100	100	10/17/2024
Cadmium		0.0010		**< 0.0010**	0.0001	0	0	-100	100	10/17/2024
Chromium		0.0015		**< 0.0015**	0.0007	0	0	-100	100	10/17/2024
Cobalt		0.0010		**< 0.0010**	0.0001	0	0	-100	100	10/17/2024
Iron	*	0.0250		**< 0.0250**	0.0115	0	0	-100	100	10/17/2024
Lead		0.0010		**< 0.0010**	0.0006	0	0	-100	100	10/17/2024
Lithium	*	0.0030		**< 0.0030**	0.0015	0	0	-100	100	10/17/2024
Manganese		0.0020		**< 0.0020**	0.0008	0	0	-100	100	10/17/2024
Molybdenum		0.0015		**< 0.0015**	0.0006	0	0	-100	100	10/21/2024
Selenium		0.0010		**< 0.0010**	0.0006	0	0	-100	100	10/17/2024
Thallium		0.0020		**< 0.0020**	0.0010	0	0	-100	100	10/17/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24100001

Client Project: BAL-24Q4 **Report Date:** 06-Dec-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 229768 **SampType:** LCS Units **mg/L**

SampID: LCS-229768

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010	S	**0.603**	0.5000	0	120.7	85	115	10/22/2024
Arsenic		0.0010		**0.545**	0.5000	0	109.0	85	115	10/17/2024
Barium		0.0010		**2.13**	2.000	0	106.3	85	115	10/17/2024
Beryllium		0.0010		**0.0551**	0.0500	0	110.2	85	115	10/17/2024
Boron	*	0.0250		**0.525**	0.5000	0	105.1	85	115	10/17/2024
Cadmium		0.0010		**0.0528**	0.0500	0	105.6	85	115	10/17/2024
Chromium		0.0015		**0.216**	0.2000	0	107.8	85	115	10/17/2024
Cobalt		0.0010		**0.504**	0.5000	0	100.8	85	115	10/17/2024
Iron	*	0.0250		**2.04**	2.000	0	102.1	85	115	10/17/2024
Lead		0.0010	E	**0.544**	0.5000	0	108.8	85	115	10/17/2024
Lithium	*	0.0030		**0.539**	0.5000	0	107.7	85	115	10/17/2024
Manganese		0.0020		**0.534**	0.5000	0	106.9	85	115	10/17/2024
Molybdenum		0.0015		**0.532**	0.5000	0	106.5	85	115	10/21/2024
Selenium		0.0010		**0.572**	0.5000	0	114.3	85	115	10/22/2024
Selenium		0.0010	S	**0.595**	0.5000	0	119.0	85	115	10/17/2024
Thallium		0.0020		**0.248**	0.2500	0	99.0	85	115	10/17/2024

Batch 229768 **SampType:** MS Units **mg/L**

SampID: 24100001-008CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Iron		0.0250		**3.13**	2.000	0.8266	115.4	75	125	10/21/2024
Manganese		0.0400		**5.23**	0.5000	4.757	93.6	75	125	10/22/2024

Batch 229768 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 24100001-008CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Iron		0.0250		**3.03**	2.000	0.8266	110.0	3.134	3.51	10/21/2024
Manganese		0.0400	S	**4.73**	0.5000	4.757	-6.1	5.225	10.02	10/22/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24100001

Client Project: BAL-24Q4 **Report Date:** 06-Dec-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 229828 **SampType:** MBLK Units **mg/L**

SampID: MBLK-229828

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	10/22/2024
Arsenic		0.0010		**< 0.0010**	0.0004	0	0	-100	100	10/18/2024
Barium		0.0010		**< 0.0010**	0.0007	0	0	-100	100	10/18/2024
Beryllium		0.0010		**< 0.0010**	0.0002	0	0	-100	100	10/18/2024
Boron		0.0250		**< 0.0250**	0.0093	0	0	-100	100	10/18/2024
Cadmium		0.0010		**< 0.0010**	0.0001	0	0	-100	100	10/18/2024
Chromium		0.0015		**< 0.0015**	0.0007	0	0	-100	100	10/18/2024
Cobalt		0.0010		**< 0.0010**	0.0001	0	0	-100	100	10/18/2024
Iron		0.0250		**< 0.0250**	0.0115	0	0	-100	100	10/18/2024
Lead		0.0010		**< 0.0010**	0.0006	0	0	-100	100	10/18/2024
Lithium	*	0.0030		**< 0.0030**	0.0015	0	0	-100	100	10/18/2024
Manganese		0.0020		**< 0.0020**	0.0008	0	0	-100	100	10/22/2024
Molybdenum		0.0015		**< 0.0015**	0.0006	0	0	-100	100	10/18/2024
Selenium		0.0010		**< 0.0010**	0.0006	0	0	-100	100	10/18/2024
Thallium		0.0020		**< 0.0020**	0.0010	0	0	-100	100	10/18/2024

Batch 229828 **SampType:** LCS Units **mg/L**

SampID: LCS-229828

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010	S	**0.611**	0.5000	0	122.2	80	120	10/22/2024
Arsenic		0.0010		**0.577**	0.5000	0	115.5	80	120	10/22/2024
Beryllium		0.0010		**0.0592**	0.0500	0	118.5	80	120	10/22/2024
Cadmium		0.0010	S	**0.0623**	0.0500	0	124.7	80	120	10/21/2024
Chromium		0.0015		**0.224**	0.2000	0	112.1	80	120	10/22/2024
Cobalt		0.0010		**0.525**	0.5000	0	105.0	80	120	10/22/2024
Lead		0.0010		**0.529**	0.5000	0	105.8	80	120	10/22/2024
Lithium	*	0.0030		**0.590**	0.5000	0	117.9	80	120	10/22/2024
Manganese		0.0020		**0.567**	0.5000	0	113.4	80	120	10/22/2024
Molybdenum		0.0015		**0.561**	0.5000	0	112.2	80	120	10/21/2024
Thallium		0.0020		**0.260**	0.2500	0	104.2	80	120	10/22/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24100001

Client Project: BAL-24Q4 **Report Date:** 06-Dec-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 229828 **SampType:** MS Units **mg/L**

SampID: 24100001-031BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0010		**0.531**	0.5000	0.0008367	106.0	75	125	10/19/2024
Beryllium		0.0010		**0.0587**	0.0500	0	117.4	75	125	10/19/2024
Cadmium		0.0010		**0.0563**	0.0500	0	112.7	75	125	10/21/2024
Chromium		0.0015		**0.194**	0.2000	0	96.8	75	125	10/19/2024
Cobalt		0.0010		**0.481**	0.5000	0.0009323	96.1	75	125	10/19/2024
Lead		0.0010		**0.499**	0.5000	0	99.8	75	125	10/19/2024
Molybdenum		0.0015		**0.445**	0.5000	0.003056	88.4	75	125	10/19/2024
Thallium		0.0020		**0.246**	0.2500	0	98.3	75	125	10/19/2024

Batch 229828 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 24100001-031BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		0.0010		**0.527**	0.5000	0.0008367	105.2	0.5310	0.83	10/19/2024
Beryllium		0.0010		**0.0580**	0.0500	0	116.0	0.05868	1.14	10/19/2024
Cadmium		0.0010		**0.0568**	0.0500	0	113.6	0.05633	0.80	10/21/2024
Chromium		0.0015		**0.197**	0.2000	0	98.7	0.1936	1.89	10/19/2024
Cobalt		0.0010		**0.483**	0.5000	0.0009323	96.5	0.4813	0.42	10/19/2024
Lead		0.0010		**0.511**	0.5000	0	102.1	0.4992	2.27	10/19/2024
Molybdenum		0.0015		**0.454**	0.5000	0.003056	90.2	0.4452	1.94	10/19/2024
Thallium		0.0020		**0.253**	0.2500	0	101.3	0.2457	3.03	10/19/2024

Batch 229829 **SampType:** MBLK Units **mg/L**

SampID: MBLK-229829

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	10/19/2024
Barium		0.0010		**< 0.0010**	0.0007	0	0	-100	100	10/19/2024
Beryllium		0.0010		**< 0.0010**	0.0002	0	0	-100	100	10/19/2024
Boron	*	0.0250		**< 0.0250**	0.0093	0	0	-100	100	10/21/2024
Cadmium		0.0010		**< 0.0010**	0.0001	0	0	-100	100	10/19/2024
Chromium		0.0015		**< 0.0015**	0.0007	0	0	-100	100	10/19/2024
Cobalt		0.0010		**< 0.0010**	0.0001	0	0	-100	100	10/19/2024
Lead		0.0010		**< 0.0010**	0.0006	0	0	-100	100	10/19/2024
Manganese		0.0020		**< 0.0020**	0.0008	0	0	-100	100	10/19/2024
Molybdenum		0.0015		**< 0.0015**	0.0006	0	0	-100	100	10/21/2024
Selenium		0.0010		**< 0.0010**	0.0006	0	0	-100	100	10/19/2024
Thallium		0.0020		**< 0.0020**	0.0010	0	0	-100	100	10/19/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24100001

Client Project: BAL-24Q4 **Report Date:** 06-Dec-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 229829 **SampType:** LCS Units **mg/L**
SampID: LCS-229829

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cadmium		0.0010	S	**0.0586**	0.0500	0	117.2	85	115	10/21/2024
Cobalt		0.0010		**0.548**	0.5000	0	109.5	85	115	10/21/2024
Molybdenum		0.0015		**0.526**	0.5000	0	105.3	85	115	10/21/2024
Selenium		0.0010	S	**0.628**	0.5000	0	125.7	85	115	10/21/2024
Thallium		0.0020		**0.262**	0.2500	0	105.0	85	115	10/21/2024

Batch 229829 **SampType:** MS Units **mg/L**
SampID: 24100001-051BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cadmium		0.0010		**0.0585**	0.0500	0	116.9	75	125	10/21/2024
Cobalt		0.0010		**0.539**	0.5000	0.0008436	107.6	75	125	10/21/2024
Molybdenum		0.0015		**0.546**	0.5000	0.0007502	109.1	75	125	10/21/2024
Selenium		0.0010		**0.610**	0.5000	0	122.0	75	125	10/21/2024
Thallium		0.0020		**0.274**	0.2500	0	109.5	75	125	10/21/2024

Batch 229829 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24100001-051BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cadmium		0.0010		**0.0580**	0.0500	0	116.0	0.05847	0.83	10/21/2024
Cobalt		0.0010		**0.524**	0.5000	0.0008436	104.6	0.5389	2.86	10/21/2024
Molybdenum		0.0015		**0.539**	0.5000	0.0007502	107.7	0.5463	1.31	10/21/2024
Selenium		0.0010		**0.598**	0.5000	0	119.7	0.6101	1.95	10/21/2024
Thallium		0.0020		**0.263**	0.2500	0	105.3	0.2738	3.98	10/21/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24100001

Client Project: BAL-24Q4 **Report Date:** 06-Dec-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 229864 **SampType:** MBLK Units **mg/L**

SampID: MBLK-229864

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	10/22/2024
Arsenic		0.0010		**< 0.0010**	0.0004	0	0	-100	100	10/19/2024
Barium		0.0010		**< 0.0010**	0.0007	0	0	-100	100	10/19/2024
Beryllium		0.0010		**< 0.0010**	0.0002	0	0	-100	100	10/19/2024
Boron		0.0250		**< 0.0250**	0.0093	0	0	-100	100	10/21/2024
Cadmium		0.0010		**< 0.0010**	0.0001	0	0	-100	100	10/19/2024
Chromium		0.0015		**< 0.0015**	0.0007	0	0	-100	100	10/19/2024
Cobalt		0.0010		**< 0.0010**	0.0001	0	0	-100	100	10/19/2024
Iron		0.0250		**< 0.0250**	0.0115	0	0	-100	100	10/19/2024
Lead		0.0010		**< 0.0010**	0.0006	0	0	-100	100	10/19/2024
Lithium	*	0.0030		**< 0.0030**	0.0015	0	0	-100	100	10/22/2024
Manganese		0.0020		**< 0.0020**	0.0008	0	0	-100	100	10/19/2024
Molybdenum		0.0015		**< 0.0015**	0.0006	0	0	-100	100	10/19/2024
Selenium		0.0010		**< 0.0010**	0.0006	0	0	-100	100	10/19/2024
Thallium		0.0020		**< 0.0020**	0.0010	0	0	-100	100	10/19/2024

Batch 229864 **SampType:** LCS Units **mg/L**

SampID: LCS-229864

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		**0.578**	0.5000	0	115.7	80	120	10/22/2024
Arsenic		0.0010		**0.510**	0.5000	0	102.0	80	120	10/19/2024
Barium		0.0010		**2.26**	2.000	0	112.8	80	120	10/19/2024
Beryllium		0.0010		**0.0526**	0.0500	0	105.2	80	120	10/19/2024
Boron		0.0250		**0.588**	0.5000	0	117.7	80	120	10/21/2024
Cadmium		0.0010		**0.0597**	0.0500	0	119.5	80	120	10/19/2024
Chromium		0.0015		**0.192**	0.2000	0	95.9	80	120	10/19/2024
Cobalt		0.0010		**0.485**	0.5000	0	97.1	80	120	10/19/2024
Iron		0.0250		**1.90**	2.000	0	95.2	80	120	10/19/2024
Lead		0.0010		**0.488**	0.5000	0	97.5	80	120	10/19/2024
Lithium	*	0.0030		**0.558**	0.5000	0	111.7	80	120	10/22/2024
Manganese		0.0020		**0.493**	0.5000	0	98.5	80	120	10/19/2024
Molybdenum		0.0015		**0.435**	0.5000	0	86.9	80	120	10/19/2024
Selenium		0.0010		**0.538**	0.5000	0	107.5	80	120	10/19/2024
Thallium		0.0020		**0.237**	0.2500	0	94.8	80	120	10/19/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24100001

Client Project: BAL-24Q4 **Report Date:** 06-Dec-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 229864 **SampType:** MS Units **mg/L**

SampID: 24100001-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Iron		0.0250		**2.04**	2.000	0.1519	94.4	75	125	10/19/2024
Manganese		0.0020		**0.661**	0.5000	0.1392	104.4	75	125	10/21/2024

Batch 229864 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 24100001-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Iron		0.0250		**2.03**	2.000	0.1519	94.0	2.040	0.35	10/19/2024
Manganese		0.0020		**0.673**	0.5000	0.1392	106.8	0.6610	1.82	10/21/2024

Batch 229864 **SampType:** MS Units **mg/L**

SampID: 24100001-015CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		**0.572**	0.5000	0	114.5	75	125	10/22/2024
Arsenic		0.0010		**0.506**	0.5000	0.0005044	101.2	75	125	10/19/2024
Barium		0.0010		**2.23**	2.000	0.02370	110.3	75	125	10/19/2024
Beryllium		0.0010		**0.0544**	0.0500	0	108.8	75	125	10/19/2024
Boron		0.0250		**0.730**	0.5000	0.1862	108.7	75	125	10/21/2024
Cadmium		0.0010		**0.0580**	0.0500	0	116.1	75	125	10/19/2024
Chromium		0.0015		**0.189**	0.2000	0	94.5	75	125	10/19/2024
Cobalt		0.0010		**0.457**	0.5000	0.002426	90.9	75	125	10/19/2024
Iron		0.0250		**2.70**	2.000	0.7735	96.2	75	125	10/19/2024
Lead		0.0010		**0.492**	0.5000	0.0007697	98.2	75	125	10/19/2024
Lithium	*	0.0030		**0.560**	0.5000	0.01572	108.9	75	125	10/22/2024
Manganese		0.0020		**0.961**	0.5000	0.4215	107.9	75	125	10/21/2024
Molybdenum		0.0015		**0.432**	0.5000	0	86.4	75	125	10/19/2024
Selenium		0.0010		**0.515**	0.5000	0	103.0	75	125	10/19/2024
Thallium		0.0020		**0.243**	0.2500	0	97.0	75	125	10/19/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24100001

Client Project: BAL-24Q4 **Report Date:** 06-Dec-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 229864 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 24100001-015CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		0.0010		**0.585**	0.5000	0	117.1	0.5723	2.27	10/22/2024
Arsenic		0.0010		**0.519**	0.5000	0.0005044	103.7	0.5065	2.45	10/19/2024
Barium		0.0010		**2.22**	2.000	0.02370	110.0	2.229	0.21	10/19/2024
Beryllium		0.0010		**0.0550**	0.0500	0	110.0	0.05442	1.06	10/19/2024
Boron		0.0250		**0.750**	0.5000	0.1862	112.7	0.7295	2.72	10/21/2024
Cadmium		0.0010		**0.0585**	0.0500	0	117.0	0.05805	0.79	10/19/2024
Chromium		0.0015		**0.191**	0.2000	0	95.7	0.1890	1.27	10/19/2024
Cobalt		0.0010		**0.471**	0.5000	0.002426	93.8	0.4570	3.10	10/19/2024
Iron		0.0250		**2.76**	2.000	0.7735	99.2	2.698	2.20	10/19/2024
Lead		0.0010		**0.497**	0.5000	0.0007697	99.2	0.4918	1.04	10/19/2024
Lithium	*	0.0030		**0.569**	0.5000	0.01572	110.7	0.5600	1.62	10/22/2024
Manganese		0.0020		**0.970**	0.5000	0.4215	109.6	0.9612	0.88	10/21/2024
Molybdenum		0.0015		**0.446**	0.5000	0	89.2	0.4319	3.21	10/19/2024
Selenium		0.0010		**0.526**	0.5000	0	105.3	0.5151	2.18	10/19/2024
Thallium		0.0020		**0.242**	0.2500	0	96.8	0.2426	0.26	10/19/2024

Batch 229922 **SampType:** MBLK Units **mg/L**

SampID: MBLK-229922

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	10/21/2024
Arsenic		0.0010		**< 0.0010**	0.0004	0	0	-100	100	10/21/2024
Barium		0.0010		**< 0.0010**	0.0007	0	0	-100	100	10/21/2024
Beryllium		0.0010		**< 0.0010**	0.0002	0	0	-100	100	10/21/2024
Boron		0.0250		**< 0.0250**	0.0093	0	0	-100	100	10/21/2024
Cadmium		0.0010		**< 0.0010**	0.0001	0	0	-100	100	10/21/2024
Chromium		0.0015		**< 0.0015**	0.0007	0	0	-100	100	10/21/2024
Cobalt		0.0010		**< 0.0010**	0.0001	0	0	-100	100	10/21/2024
Iron		0.0250		**< 0.0250**	0.0115	0	0	-100	100	10/21/2024
Lead		0.0010		**< 0.0010**	0.0006	0	0	-100	100	10/21/2024
Lithium	*	0.0030		**< 0.0030**	0.0015	0	0	-100	100	10/21/2024
Manganese		0.0020		**< 0.0020**	0.0008	0	0	-100	100	10/22/2024
Molybdenum		0.0015		**< 0.0015**	0.0006	0	0	-100	100	10/21/2024
Selenium		0.0010		**< 0.0010**	0.0006	0	0	-100	100	10/21/2024
Thallium		0.0020		**< 0.0020**	0.0010	0	0	-100	100	10/21/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24100001

Client Project: BAL-24Q4 **Report Date:** 06-Dec-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 229922 **SampType:** LCS Units **mg/L**

SampID: LCS-229922

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		**0.574**	0.5000	0	114.9	80	120	10/21/2024
Arsenic		0.0010		**0.537**	0.5000	0	107.5	80	120	10/21/2024
Barium		0.0010		**2.11**	2.000	0	105.3	80	120	10/21/2024
Beryllium		0.0010		**0.0512**	0.0500	0	102.3	80	120	10/21/2024
Boron		0.0250		**0.493**	0.5000	0	98.6	80	120	10/21/2024
Cadmium		0.0010		**0.0520**	0.0500	0	104.0	80	120	10/21/2024
Chromium		0.0015		**0.202**	0.2000	0	101.2	80	120	10/21/2024
Cobalt		0.0010		**0.503**	0.5000	0	100.6	80	120	10/21/2024
Iron		0.0250		**1.90**	2.000	0	94.9	80	120	10/21/2024
Lead		0.0010		**0.481**	0.5000	0	96.2	80	120	10/21/2024
Lithium	*	0.0030		**0.505**	0.5000	0	101.0	80	120	10/21/2024
Manganese		0.0020		**0.558**	0.5000	0	111.5	80	120	10/22/2024
Molybdenum		0.0015		**0.461**	0.5000	0	92.1	80	120	10/21/2024
Selenium		0.0010		**0.571**	0.5000	0	114.2	80	120	10/21/2024
Thallium		0.0020		**0.239**	0.2500	0	95.7	80	120	10/21/2024

Batch 229922 **SampType:** MS Units **mg/L**

SampID: 24100001-012BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		**0.460**	0.5000	0.0007329	91.9	75	125	10/23/2024
Arsenic		0.0010		**0.533**	0.5000	0.01625	103.3	75	125	10/22/2024
Barium		0.0010		**2.60**	2.000	0.2474	117.4	75	125	10/22/2024
Beryllium		0.0010		**0.0521**	0.0500	0.001331	101.5	75	125	10/22/2024
Boron		0.0250	S	**4.43**	0.5000	4.225	40.2	75	125	10/22/2024
Cadmium		0.0010		**0.0553**	0.0500	0.0003260	109.9	75	125	10/22/2024
Chromium		0.0015		**0.245**	0.2000	0.04969	97.4	75	125	10/22/2024
Cobalt		0.0010		**0.502**	0.5000	0.01927	96.5	75	125	10/22/2024
Lead		0.0010		**0.507**	0.5000	0.01688	98.0	75	125	10/23/2024
Lithium	*	0.0030		**0.542**	0.5000	0.03620	101.1	75	125	10/22/2024
Molybdenum		0.0015		**0.496**	0.5000	0.004338	98.4	75	125	10/22/2024
Selenium		0.0010		**0.543**	0.5000	0.005309	107.5	75	125	10/22/2024
Thallium		0.0020		**0.245**	0.2500	0	97.8	75	125	10/22/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24100001

Client Project: BAL-24Q4 **Report Date:** 06-Dec-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 229922 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 24100001-012BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		0.0010		**0.451**	0.5000	0.0007329	90.1	0.4601	2.00	10/23/2024
Arsenic		0.0010		**0.548**	0.5000	0.01625	106.3	0.5326	2.84	10/22/2024
Barium		0.0010		**2.63**	2.000	0.2474	119.1	2.596	1.25	10/22/2024
Beryllium		0.0010		**0.0511**	0.0500	0.001331	99.5	0.05209	1.92	10/22/2024
Boron		0.0250	S	**4.42**	0.5000	4.225	39.7	4.426	0.06	10/22/2024
Cadmium		0.0010		**0.0554**	0.0500	0.0003260	110.2	0.05529	0.24	10/22/2024
Chromium		0.0015		**0.241**	0.2000	0.04969	95.9	0.2445	1.29	10/22/2024
Cobalt		0.0010		**0.520**	0.5000	0.01927	100.1	0.5019	3.51	10/22/2024
Lead		0.0010		**0.490**	0.5000	0.01688	94.6	0.5070	3.39	10/23/2024
Lithium	*	0.0030		**0.530**	0.5000	0.03620	98.7	0.5419	2.27	10/22/2024
Molybdenum		0.0015		**0.507**	0.5000	0.004338	100.5	0.4964	2.12	10/22/2024
Selenium		0.0010		**0.558**	0.5000	0.005309	110.5	0.5427	2.71	10/22/2024
Thallium		0.0020		**0.247**	0.2500	0	98.6	0.2446	0.83	10/22/2024

Batch 229922 **SampType:** MS Units **mg/L**

SampID: 24100001-052CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		**0.595**	0.5000	0	118.9	75	125	10/23/2024
Arsenic		0.0010		**0.557**	0.5000	0	111.3	75	125	10/22/2024
Barium		0.0010		**2.48**	2.000	0	123.8	75	125	10/22/2024
Beryllium		0.0010		**0.0588**	0.0500	0	117.5	75	125	10/22/2024
Boron		0.0250		**0.571**	0.5000	0	114.2	75	125	10/22/2024
Cadmium		0.0010		**0.0559**	0.0500	0	111.9	75	125	10/22/2024
Chromium		0.0015		**0.223**	0.2000	0	111.5	75	125	10/22/2024
Cobalt		0.0010		**0.520**	0.5000	0	104.0	75	125	10/22/2024
Iron		0.0250		**2.11**	2.000	0	105.4	75	125	10/22/2024
Lead		0.0010		**0.556**	0.5000	0	111.3	75	125	10/22/2024
Lithium	*	0.0030		**0.586**	0.5000	0	117.2	75	125	10/22/2024
Manganese		0.0020		**0.543**	0.5000	0	108.5	75	125	10/22/2024
Molybdenum		0.0015		**0.499**	0.5000	0	99.8	75	125	10/22/2024
Selenium		0.0010		**0.593**	0.5000	0	118.5	75	125	10/22/2024
Thallium		0.0020		**0.255**	0.2500	0	102.1	75	125	10/22/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24100001

Client Project: BAL-24Q4 **Report Date:** 06-Dec-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 229922 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 24100001-052CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		0.0010		**0.609**	0.5000	0	121.9	0.5945	2.49	10/23/2024
Arsenic		0.0010		**0.566**	0.5000	0	113.2	0.5567	1.62	10/22/2024
Barium		0.0010		**2.48**	2.000	0	124.1	2.477	0.20	10/22/2024
Beryllium		0.0010		**0.0587**	0.0500	0	117.4	0.05877	0.09	10/22/2024
Boron		0.0250		**0.567**	0.5000	0	113.3	0.5711	0.77	10/22/2024
Cadmium		0.0010		**0.0564**	0.0500	0	112.8	0.05594	0.81	10/22/2024
Chromium		0.0015		**0.220**	0.2000	0	110.2	0.2230	1.15	10/22/2024
Cobalt		0.0010		**0.524**	0.5000	0	104.8	0.5199	0.78	10/22/2024
Iron		0.0250		**2.09**	2.000	0	104.5	2.107	0.80	10/22/2024
Lead		0.0010		**0.565**	0.5000	0	113.0	0.5563	1.57	10/22/2024
Lithium	*	0.0030		**0.581**	0.5000	0	116.2	0.5860	0.87	10/22/2024
Manganese		0.0020		**0.541**	0.5000	0	108.2	0.5426	0.31	10/22/2024
Molybdenum		0.0015		**0.507**	0.5000	0	101.4	0.4990	1.59	10/22/2024
Selenium		0.0010		**0.607**	0.5000	0	121.4	0.5925	2.40	10/22/2024
Thallium		0.0020		**0.260**	0.2500	0	104.1	0.2551	2.02	10/22/2024

Batch 230069 **SampType:** MBLK Units **mg/L**

SampID: MBLK-230069

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	10/29/2024
Arsenic		0.0010		**< 0.0010**	0.0004	0	0	-100	100	10/23/2024
Barium		0.0010		**< 0.0010**	0.0007	0	0	-100	100	10/23/2024
Beryllium		0.0010		**< 0.0010**	0.0002	0	0	-100	100	10/23/2024
Boron	*	0.0250		**< 0.0250**	0.0093	0	0	-100	100	10/23/2024
Chromium		0.0015		**< 0.0015**	0.0007	0	0	-100	100	10/23/2024
Iron	*	0.0250		**< 0.0250**	0.0115	0	0	-100	100	10/23/2024
Lead		0.0010		**< 0.0010**	0.0006	0	0	-100	100	10/23/2024
Lithium	*	0.0030		**< 0.0030**	0.0015	0	0	-100	100	10/23/2024
Manganese		0.0020		**< 0.0020**	0.0008	0	0	-100	100	10/23/2024
Selenium		0.0010		**< 0.0010**	0.0006	0	0	-100	100	10/23/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24100001

Client Project: BAL-24Q4 **Report Date:** 06-Dec-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 230069 **SampType:** LCS Units **mg/L**

SampID: LCS-230069

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		**0.547**	0.5000	0	109.3	80	120	10/30/2024
Arsenic		0.0010		**0.561**	0.5000	0	112.2	85	115	10/23/2024
Barium		0.0010		**2.38**	2.000	0	118.8	80	120	10/25/2024
Beryllium		0.0010		**0.0556**	0.0500	0	111.2	85	115	10/23/2024
Boron	*	0.0250		**0.570**	0.5000	0	114.0	85	115	10/23/2024
Chromium		0.0015		**0.220**	0.2000	0	110.1	85	115	10/23/2024
Iron	*	0.0250		**2.05**	2.000	0	102.7	85	115	10/23/2024
Lead		0.0010	E	**0.542**	0.5000	0	108.4	85	115	10/23/2024
Lithium	*	0.0030		**0.560**	0.5000	0	112.0	85	115	10/23/2024
Manganese		0.0020		**0.528**	0.5000	0	105.5	85	115	10/23/2024
Selenium		0.0010		**0.560**	0.5000	0	112.1	80	120	10/25/2024
Selenium		0.0010	S	**0.605**	0.5000	0	121.1	85	115	10/23/2024

Batch 230069 **SampType:** MS Units **mg/L**

SampID: 24100001-031BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010	S	**0.639**	0.5000	0.0005775	127.8	75	125	10/29/2024
Barium		0.0010		**2.44**	2.000	0.07429	118.3	75	125	10/25/2024
Boron		0.0250		**0.875**	0.5000	0.3849	97.9	75	125	10/23/2024
Lithium	*	0.0030		**0.524**	0.5000	0.01879	100.9	75	125	10/23/2024
Selenium		0.0010		**0.571**	0.5000	0	114.3	75	125	10/23/2024

Batch 230069 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 24100001-031BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		0.0010	S	**0.641**	0.5000	0.0005775	128.0	0.6395	0.19	10/29/2024
Barium		0.0010		**2.40**	2.000	0.07429	116.1	2.440	1.85	10/25/2024
Boron		0.0250		**0.883**	0.5000	0.3849	99.6	0.8746	0.95	10/23/2024
Lithium	*	0.0030		**0.534**	0.5000	0.01879	103.1	0.5235	2.03	10/23/2024
Selenium		0.0010		**0.574**	0.5000	0	114.7	0.5714	0.37	10/23/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24100001

Client Project: BAL-24Q4 **Report Date:** 06-Dec-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 230069 **SampType:** MS Units **mg/L**

SampID: 24100001-051BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		**0.614**	0.5000	0.0005575	122.6	75	125	10/30/2024
Arsenic		0.0010		**0.536**	0.5000	0	107.2	75	125	10/23/2024
Barium		0.0010		**2.35**	2.000	0.08384	113.1	75	125	10/25/2024
Beryllium		0.0010		**0.0543**	0.0500	0	108.5	75	125	10/23/2024
Boron		0.0250		**1.06**	0.5000	0.5219	108.1	75	125	10/23/2024
Chromium		0.0015		**0.208**	0.2000	0	103.8	75	125	10/23/2024
Lead		0.0010		**0.523**	0.5000	0	104.6	75	125	10/23/2024
Lithium	*	0.0030		**0.577**	0.5000	0.05676	104.1	75	125	10/23/2024

Batch 230069 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 24100001-051BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		0.0010		**0.606**	0.5000	0.0005575	121.0	0.6135	1.30	10/30/2024
Arsenic		0.0010		**0.528**	0.5000	0	105.6	0.5361	1.47	10/23/2024
Barium		0.0010		**2.34**	2.000	0.08384	112.9	2.345	0.16	10/25/2024
Beryllium		0.0010		**0.0534**	0.0500	0	106.9	0.05426	1.55	10/23/2024
Boron		0.0250		**1.04**	0.5000	0.5219	103.3	1.062	2.29	10/23/2024
Chromium		0.0015		**0.204**	0.2000	0	101.8	0.2077	1.95	10/23/2024
Lead		0.0010		**0.514**	0.5000	0	102.9	0.5228	1.63	10/23/2024
Lithium	*	0.0030		**0.566**	0.5000	0.05676	101.9	0.5772	1.92	10/23/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24100001

Client Project: BAL-24Q4 **Report Date:** 06-Dec-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 230147 **SampType:** MBLK Units **mg/L**

SampID: MBLK-230147

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	11/11/2024
Arsenic		0.0010		**< 0.0010**	0.0004	0	0	-100	100	10/31/2024
Barium		0.0010		**< 0.0010**	0.0007	0	0	-100	100	10/31/2024
Beryllium		0.0010		**< 0.0010**	0.0002	0	0	-100	100	10/31/2024
Boron		0.0250		**< 0.0250**	0.0093	0	0	-100	100	10/31/2024
Cadmium		0.0010		**< 0.0010**	0.0001	0	0	-100	100	10/31/2024
Chromium		0.0015		**< 0.0015**	0.0007	0	0	-100	100	10/31/2024
Cobalt		0.0010		**< 0.0010**	0.0001	0	0	-100	100	11/06/2024
Lead		0.0010		**< 0.0010**	0.0006	0	0	-100	100	10/31/2024
Lithium	*	0.0030		**< 0.0030**	0.0015	0	0	-100	100	10/31/2024
Molybdenum		0.0015		**< 0.0015**	0.0006	0	0	-100	100	10/31/2024
Selenium		0.0010		**< 0.0010**	0.0006	0	0	-100	100	10/31/2024
Thallium		0.0020		**< 0.0020**	0.0010	0	0	-100	100	10/31/2024

Batch 230147 **SampType:** LCS Units **mg/L**

SampID: LCS-230147

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		**1.12**	1.000	0	112.5	80	120	11/08/2024
Arsenic		0.0010	S	**0.606**	0.5000	0	121.2	80	120	10/31/2024
Arsenic		0.0010		**0.561**	0.5000	0	112.1	80	120	11/06/2024
Arsenic		0.0010		**0.549**	0.5000	0	109.8	80	120	11/01/2024
Barium		0.0010		**1.87**	2.000	0	93.7	80	120	10/31/2024
Beryllium		0.0010		**0.0588**	0.0500	0	117.5	80	120	10/31/2024
Boron		0.0250		**0.576**	0.5000	0	115.1	80	120	10/31/2024
Cadmium		0.0010		**0.0530**	0.0500	0	106.0	80	120	10/31/2024
Chromium		0.0015		**0.240**	0.2000	0	119.8	80	120	10/31/2024
Lead		0.0010		**0.573**	0.5000	0	114.7	80	120	10/31/2024
Lithium	*	0.0030		**0.569**	0.5000	0	113.7	80	120	10/31/2024
Molybdenum		0.0015		**0.402**	0.5000	0	80.4	80	120	10/31/2024
Selenium		0.0010	S	**0.650**	0.5000	0	130.0	80	120	10/31/2024
Selenium		0.0010		**0.578**	0.5000	0	115.7	80	120	11/06/2024
Selenium		0.0010		**0.587**	0.5000	0	117.3	80	120	11/01/2024
Thallium		0.0020		**0.266**	0.2500	0	106.4	80	120	10/31/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24100001

Client Project: BAL-24Q4 **Report Date:** 06-Dec-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 230147 **SampType:** MS Units **mg/L**

SampID: 24100635-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		**0.768**	1.000	0	76.8	75	125	11/11/2024
Arsenic		0.0010		**0.598**	0.5000	0.0006627	119.4	75	125	10/31/2024
Barium		0.0010		**2.20**	2.000	0.2083	99.5	75	125	10/31/2024
Beryllium		0.0010		**0.0606**	0.0500	0	121.3	75	125	10/31/2024
Boron		0.0250		**0.617**	0.5000	0.02260	118.8	75	125	10/31/2024
Cadmium		0.0010		**0.0579**	0.0500	0	115.8	75	125	10/31/2024
Chromium		0.0015		**0.237**	0.2000	0.002547	117.3	75	125	11/06/2024
Cobalt		0.0010		**0.588**	0.5000	0.001146	117.4	75	125	11/06/2024
Lead		0.0010		**0.573**	0.5000	0.0007377	114.4	75	125	10/31/2024
Lithium	*	0.0030		**0.595**	0.5000	0.001819	118.7	75	125	10/31/2024
Molybdenum		0.0015		**0.479**	0.5000	0.0007221	95.6	75	125	10/31/2024
Thallium		0.0020		**0.264**	0.2500	0	105.6	75	125	10/31/2024

Batch 230147 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 24100635-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		0.0010		**0.756**	1.000	0	75.6	0.7677	1.51	11/11/2024
Arsenic		0.0010		**0.601**	0.5000	0.0006627	120.1	0.5979	0.58	10/31/2024
Barium		0.0010		**2.16**	2.000	0.2083	97.7	2.198	1.61	10/31/2024
Beryllium		0.0010		**0.0605**	0.0500	0	121.1	0.06064	0.18	10/31/2024
Boron		0.0250		**0.615**	0.5000	0.02260	118.5	0.6165	0.21	10/31/2024
Cadmium		0.0010		**0.0545**	0.0500	0	109.0	0.05790	6.03	10/31/2024
Chromium		0.0015		**0.240**	0.2000	0.002547	118.6	0.2371	1.09	11/06/2024
Cobalt		0.0010		**0.607**	0.5000	0.001146	121.1	0.5880	3.11	11/06/2024
Lead		0.0010		**0.578**	0.5000	0.0007377	115.4	0.5726	0.92	10/31/2024
Lithium	*	0.0030		**0.591**	0.5000	0.001819	117.8	0.5954	0.81	10/31/2024
Molybdenum		0.0015		**0.509**	0.5000	0.0007221	101.6	0.4789	6.03	10/31/2024
Thallium		0.0020		**0.267**	0.2500	0	106.9	0.2639	1.30	10/31/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24100001

Client Project: BAL-24Q4 **Report Date:** 06-Dec-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 230147 **SampType:** MS Units **mg/L**

SampID: 24100635-005BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		**0.777**	1.000	0.0005124	77.7	75	125	11/12/2024
Arsenic		0.0010		**0.561**	0.5000	0.003115	111.5	75	125	11/01/2024
Barium		0.0010		**1.85**	2.000	0.05189	90.0	75	125	10/31/2024
Beryllium		0.0010		**0.0582**	0.0500	0.0004307	115.6	75	125	10/31/2024
Boron		0.0250		**3.81**	0.5000	3.335	95.2	75	125	10/31/2024
Cadmium		0.0010		**0.0525**	0.0500	0	105.0	75	125	10/31/2024
Chromium		0.0015		**0.238**	0.2000	0.01432	112.1	75	125	11/06/2024
Cobalt		0.0010		**0.568**	0.5000	0.003288	112.9	75	125	11/06/2024
Lead		0.0010		**0.570**	0.5000	0.004045	113.2	75	125	10/31/2024
Lithium	*	0.0030		**0.572**	0.5000	0.007794	112.9	75	125	10/31/2024
Molybdenum		0.0015		**0.461**	0.5000	0.0009294	92.1	75	125	10/31/2024
Selenium		0.0010		**0.585**	0.5000	0	117.1	75	125	10/31/2024
Thallium		0.0020		**0.263**	0.2500	0	105.2	75	125	10/31/2024

Batch 230147 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 24100635-005BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		0.0010		**0.796**	1.000	0.0005124	79.6	0.7772	2.43	11/12/2024
Arsenic		0.0010		**0.559**	0.5000	0.003115	111.2	0.5606	0.23	11/01/2024
Barium		0.0010		**1.97**	2.000	0.05189	95.9	1.852	6.13	10/31/2024
Beryllium		0.0010		**0.0593**	0.0500	0.0004307	117.7	0.05822	1.78	10/31/2024
Boron		0.0250		**3.86**	0.5000	3.335	105.6	3.811	1.37	10/31/2024
Cadmium		0.0010		**0.0553**	0.0500	0	110.7	0.05250	5.24	10/31/2024
Chromium		0.0015		**0.247**	0.2000	0.01432	116.3	0.2385	3.50	11/06/2024
Cobalt		0.0010		**0.584**	0.5000	0.003288	116.2	0.5676	2.91	11/06/2024
Lead		0.0010		**0.587**	0.5000	0.004045	116.6	0.5702	2.95	10/31/2024
Lithium	*	0.0030		**0.578**	0.5000	0.007794	114.1	0.5723	1.07	10/31/2024
Molybdenum		0.0015		**0.421**	0.5000	0.0009294	83.9	0.4614	9.25	10/31/2024
Selenium		0.0010		**0.617**	0.5000	0	123.4	0.5853	5.25	10/31/2024
Thallium		0.0020		**0.265**	0.2500	0	106.1	0.2630	0.84	10/31/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24100001

Client Project: BAL-24Q4 **Report Date:** 06-Dec-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 230648 **SampType:** MBLK Units **mg/L**

SampID: MBLK-230648

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	11/05/2024
Arsenic		0.0010		**< 0.0010**	0.0004	0	0	-100	100	11/13/2024
Barium		0.0010		**< 0.0010**	0.0007	0	0	-100	100	11/13/2024
Barium		0.0010		**< 0.0010**	0.0007	0	0	-100	100	11/13/2024
Beryllium		0.0010		**< 0.0010**	0.0002	0	0	-100	100	11/13/2024
Boron	*	0.0250		**< 0.0250**	0.0093	0	0	-100	100	11/13/2024
Cadmium		0.0010		**< 0.0010**	0.0001	0	0	-100	100	11/05/2024
Cadmium		0.0010		**< 0.0010**	0.0001	0	0	-100	100	11/13/2024
Chromium		0.0015		**< 0.0015**	0.0007	0	0	-100	100	11/13/2024
Cobalt		0.0010		**< 0.0010**	0.0001	0	0	-100	100	11/13/2024
Lead		0.0010		**< 0.0010**	0.0006	0	0	-100	100	11/09/2024
Lead		0.0010		**< 0.0010**	0.0006	0	0	-100	100	11/05/2024
Lithium	*	0.0030		**< 0.0030**	0.0015	0	0	-100	100	11/13/2024
Molybdenum		0.0015		**< 0.0015**	0.0006	0	0	-100	100	11/13/2024
Selenium		0.0010		**< 0.0010**	0.0006	0	0	-100	100	11/13/2024
Thallium		0.0020		**< 0.0020**	0.0010	0	0	-100	100	11/09/2024

Batch 230648 **SampType:** LCS Units **mg/L**

SampID: LCS-230648

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0010		**1.05**	1.000	0	105.2	85	115	11/05/2024
Arsenic		0.0010		**1.05**	1.000	0	105.4	85	115	11/13/2024
Barium		0.0020		**4.74**	4.000	0	118.6	80	120	11/13/2024
Beryllium		0.0010		**0.104**	0.1000	0	103.6	85	115	11/13/2024
Boron	*	0.0250		**0.978**	1.000	0	97.8	85	115	11/13/2024
Cadmium		0.0010		**0.108**	0.1000	0	107.7	85	115	11/05/2024
Cadmium		0.0010		**0.103**	0.1000	0	102.9	85	115	11/13/2024
Chromium		0.0015		**0.425**	0.4000	0	106.2	85	115	11/13/2024
Cobalt		0.0010		**0.879**	1.000	0	87.9	85	115	11/13/2024
Lead		0.0010	E	**1.03**	1.000	0	103.1	85	115	11/05/2024
Lithium	*	0.0030		**1.06**	1.000	0	105.7	80	120	11/13/2024
Molybdenum		0.0015		**1.14**	1.000	0	113.9	80	120	11/13/2024
Selenium		0.0010		**1.02**	1.000	0	102.3	85	115	11/13/2024
Thallium		0.0020		**0.512**	0.5000	0	102.3	85	115	11/13/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24100001

Client Project: BAL-24Q4 **Report Date:** 06-Dec-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 230648 **SampType:** MS Units **mg/L**

SampID: 24100001-014BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0010		**1.12**	1.000	0.0008266	112.0	75	125	11/12/2024
Beryllium		0.0010		**0.118**	0.1000	0	117.8	75	125	11/12/2024
Boron		0.0250		**1.17**	1.000	0.009906	115.7	75	125	11/12/2024
Cadmium		0.0010		**0.115**	0.1000	0.0001852	114.5	75	125	11/12/2024
Chromium		0.0015		**0.405**	0.4000	0.002346	100.8	75	125	11/13/2024
Cobalt		0.0010		**0.912**	1.000	0.001498	91.0	75	125	11/12/2024
Lead		0.0010		**1.10**	1.000	0	110.0	75	125	11/09/2024
Lithium	*	0.0030		**1.06**	1.000	0.006638	105.3	75	125	11/13/2024
Molybdenum		0.0015		**1.17**	1.000	0.005940	116.7	75	125	11/13/2024
Selenium		0.0010		**1.10**	1.000	0.0007882	109.6	75	125	11/12/2024
Thallium		0.0020		**0.537**	0.5000	0	107.5	75	125	11/09/2024

Batch 230648 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 24100001-014BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		0.0010		**1.10**	1.000	0.0008266	110.1	1.121	1.74	11/12/2024
Beryllium		0.0010		**0.114**	0.1000	0	114.3	0.1178	3.02	11/12/2024
Boron		0.0250		**1.13**	1.000	0.009906	112.2	1.167	3.06	11/12/2024
Cadmium		0.0010		**0.110**	0.1000	0.0001852	109.8	0.1147	4.17	11/12/2024
Chromium		0.0015		**0.404**	0.4000	0.002346	100.5	0.4055	0.26	11/13/2024
Cobalt		0.0010		**0.900**	1.000	0.001498	89.9	0.9115	1.26	11/12/2024
Lead		0.0010		**1.08**	1.000	0	108.3	1.100	1.53	11/09/2024
Lithium	*	0.0030		**1.05**	1.000	0.006638	104.5	1.059	0.73	11/13/2024
Molybdenum		0.0015		**1.16**	1.000	0.005940	115.3	1.173	1.25	11/13/2024
Selenium		0.0010		**1.07**	1.000	0.0007882	107.1	1.096	2.26	11/12/2024
Thallium		0.0020		**0.528**	0.5000	0	105.6	0.5373	1.72	11/09/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24100001

Client Project: BAL-24Q4 **Report Date:** 06-Dec-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 230648 **SampType:** MS Units **mg/L**

SampID: 24100001-022BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0010		**1.10**	1.000	0.003658	110.1	75	125	11/12/2024
Beryllium		0.0010		**0.113**	0.1000	0.0005454	112.9	75	125	11/12/2024
Boron		0.0250		**2.06**	1.000	0.9447	111.9	75	125	11/12/2024
Cadmium		0.0010		**0.104**	0.1000	0.0002374	103.6	75	125	11/12/2024
Chromium		0.0015		**0.473**	0.4000	0.02670	111.6	75	125	11/12/2024
Cobalt		0.0010		**0.899**	1.000	0.003790	89.5	75	125	11/12/2024
Lead		0.0010		**1.13**	1.000	0.001916	113.2	75	125	11/09/2024
Lithium	*	0.0030		**1.07**	1.000	0.02243	104.6	75	125	11/13/2024
Molybdenum		0.0015	E	**1.27**	1.000	0.1420	112.8	75	125	11/13/2024
Selenium		0.0010		**1.04**	1.000	0.003275	103.3	75	125	11/12/2024
Thallium		0.0020		**0.545**	0.5000	0	109.1	75	125	11/09/2024

Batch 230648 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 24100001-022BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		0.0010		**1.12**	1.000	0.003658	111.6	1.104	1.43	11/13/2024
Beryllium		0.0010		**0.110**	0.1000	0.0005454	109.1	0.1134	3.37	11/13/2024
Boron		0.0250		**2.01**	1.000	0.9447	106.2	2.064	2.80	11/13/2024
Cadmium		0.0010		**0.106**	0.1000	0.0002374	105.4	0.1038	1.78	11/13/2024
Chromium		0.0015		**0.470**	0.4000	0.02670	110.7	0.4731	0.75	11/13/2024
Cobalt		0.0010		**0.905**	1.000	0.003790	90.1	0.8991	0.67	11/13/2024
Lead		0.0010		**1.11**	1.000	0.001916	110.5	1.134	2.39	11/09/2024
Lithium	*	0.0030		**1.09**	1.000	0.02243	107.2	1.069	2.36	11/13/2024
Molybdenum		0.0015	E	**1.37**	1.000	0.1420	122.8	1.270	7.51	11/13/2024
Selenium		0.0010		**1.04**	1.000	0.003275	104.0	1.036	0.65	11/13/2024
Thallium		0.0020		**0.534**	0.5000	0	106.8	0.5453	2.11	11/09/2024

Batch 231150 **SampType:** MBLK Units **mg/L**

SampID: MBLK-231150

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	11/15/2024
Arsenic		0.0010		**< 0.0010**	0.0004	0	0	-100	100	11/14/2024
Barium		0.0010		**< 0.0010**	0.0007	0	0	-100	100	11/14/2024
Boron		0.0250		**< 0.0250**	0.0093	0	0	-100	100	11/14/2024
Cobalt		0.0010		**< 0.0010**	0.0001	0	0	-100	100	11/14/2024
Iron		0.0250		**< 0.0250**	0.0115	0	0	-100	100	11/14/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24100001

Client Project: BAL-24Q4 **Report Date:** 06-Dec-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 231150 **SampType:** LCS Units **mg/L**
SampID: LCS-231150

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		**1.19**	1.000	0	119.2	80	120	11/15/2024
Arsenic		0.0010		**1.04**	1.000	0	103.7	80	120	11/14/2024
Barium		0.0010		**4.77**	4.000	0	119.3	80	120	11/14/2024
Boron		0.0250		**1.09**	1.000	0	108.7	80	120	11/14/2024
Cobalt		0.0010		**1.15**	1.000	0	115.0	80	120	11/14/2024
Iron		0.0250		**4.04**	4.000	0	101.0	80	120	11/14/2024

Batch 231150 **SampType:** MS Units **mg/L**
SampID: 24100001-014BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010	SE	**1.38**	1.000	0	138.1	75	125	11/15/2024
Barium		0.0010		**4.76**	4.000	0.1666	114.7	75	125	11/14/2024

Batch 231150 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24100001-014BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		0.0010	SE	**1.41**	1.000	0	140.9	1.381	1.95	11/15/2024
Barium		0.0010		**4.80**	4.000	0.1666	115.8	4.756	0.88	11/14/2024

Batch 231150 **SampType:** MS Units **mg/L**
SampID: 24100001-022BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		**0.912**	1.000	0.003322	90.9	75	125	11/15/2024
Barium		0.0010		**4.68**	4.000	0.1666	112.8	75	125	11/14/2024

Batch 231150 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24100001-022BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		0.0010		**0.894**	1.000	0.003322	89.1	0.9122	1.99	11/15/2024
Barium		0.0010		**4.71**	4.000	0.1666	113.7	4.680	0.73	11/14/2024

SW-846 7470A (TOTAL)

Batch 229867 **SampType:** MBLK Units **mg/L**
SampID: MBLK-229867

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	10/18/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24100001

Client Project: BAL-24Q4 **Report Date:** 06-Dec-24

SW-846 7470A (TOTAL)

Batch 229867 **SampType:** LCS Units **mg/L**
SampID: LCS-229867

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	10/18/2024

Batch 229867 **SampType:** MS Units **mg/L**
SampID: 24100001-006CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00542**	0.0050	0	108.4	75	125	10/18/2024

Batch 229867 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24100001-006CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00526**	0.0050	0	105.3	0.005418	2.88	10/18/2024

Batch 229867 **SampType:** MS Units **mg/L**
SampID: 24100001-030BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00453**	0.0050	0	90.6	75	125	10/18/2024

Batch 229867 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24100001-030BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00445**	0.0050	0	88.9	0.004529	1.84	10/18/2024

Batch 229870 **SampType:** MBLK Units **mg/L**
SampID: MBLK-229870

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	10/18/2024

Batch 229870 **SampType:** LCS Units **mg/L**
SampID: LCS-229870

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00473**	0.0050	0	94.6	85	115	10/18/2024

Batch 229870 **SampType:** MS Units **mg/L**
SampID: 24100001-051BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00486**	0.0050	0	97.3	75	125	10/18/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24100001

Client Project: BAL-24Q4 **Report Date:** 06-Dec-24

SW-846 7470A (TOTAL)

Batch 229870 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24100001-051BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00478**	0.0050	0	95.6	0.004865	1.76	10/18/2024

Batch 229870 **SampType:** MS Units **mg/L**
SampID: 24101395-003BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00469**	0.0050	0	93.8	75	125	10/18/2024

Batch 229870 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24101395-003BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00448**	0.0050	0	89.5	0.004688	4.60	10/18/2024

Batch 229905 **SampType:** MBLK Units **mg/L**
SampID: MBLK-229905

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	10/21/2024

Batch 229905 **SampType:** LCS Units **mg/L**
SampID: LCS-229905

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00480**	0.0050	0	96.0	85	115	10/21/2024

Batch 229905 **SampType:** MS Units **mg/L**
SampID: 24100001-013BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00542**	0.0050	0	108.4	75	125	10/22/2024

Batch 229905 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24100001-013BMSD

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	0.005418	1.00	10/22/2024

Batch 230651 **SampType:** MBLK Units **mg/L**
SampID: MBLK-230651

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	11/05/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24100001

Client Project: BAL-24Q4 **Report Date:** 06-Dec-24

SW-846 7470A (TOTAL)

Batch 230651 **SampType:** LCS Units **mg/L**
SampID: LCS-230651

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00454**	0.0050	0	90.8	85	115	11/05/2024

Batch 230651 **SampType:** MS Units **mg/L**
SampID: 24100001-014BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00471**	0.0050	0	94.2	75	125	11/05/2024

Batch 230651 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24100001-014BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00481**	0.0050	0	96.1	0.004712	1.96	11/05/2024

Batch 230651 **SampType:** MS Units **mg/L**
SampID: 24110123-005BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00437**	0.0050	0	87.4	75	125	11/05/2024

Batch 230651 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24110123-005BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00451**	0.0050	0	90.2	0.004372	3.17	11/05/2024

Teklab, Inc. Environmental Laboratory

Receiving Check List

http://www.teklabinc.com/

Client: Ramboll
Work Order: 24100001
Client Project: BAL-24Q4
Report Date: 06-Dec-24

Carrier: Justin Colp
Received By: LEH

Completed by: Laura E Henson
On: 14-Oct-24

Reviewed by: Ellie Hopkins
On: 04-Nov-24

Pages to follow: Chain of custody 18 Extra pages included 0

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C 12.1
Type of thermal preservation?	None ☐	Ice ☑	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Reported field parameters measured:	Field ☑	Lab ☐	NA ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐		

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water – at least one vial per sample has zero headspace?	Yes ☐	No ☐	No VOA vials ☑
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☑	NA ☐
NPDES/CWA TCN interferences checked/treated in the field?	Yes ☐	No ☐	NA ☑

Any No responses must be detailed below or on the COC.

pH strip #96651. - lhenson - 10/14/2024 4:12:25 PM

Additional nitric acid (9964) was needed in MW383, MW384, and PZ170 upon arrival at the laboratory. - lhenson - 10/14/2024 4:12:28 PM

Samples were received on 10/15/24 at 4:48 PM on ice 8.1C LTG #5. pH strip 99651. Additional nitric acid (99964) was needed in MW393 and MW394 upon arrival at the laboratory. - lhenson - 10/16/2024 8:45:27 AM

Samples were received on 10/16/24 at 1615 on ice [11.9C - LTG#5]. Additional Nitric Acid (99964) was needed upon arrival at the laboratory for MW304 and MW304 Dup. pH strip #96651. - amberdilallo - 10/17/2024 8:39:16 AM

Samples were received on 10/17/24 at 3:12pm on ice [9.9C - LTG9]. ph strip #99651. - lhenson - 10/17/2024 5:03:17 PM

Samples were filtered and preserved with nitric acid (99964) and left unpreserved for the dissolved parameters upon arrival at the laboratory for sample Field Blank and Equipment Blank1. - lhenson - 10/18/2024 12:26:35 PM

Samples were received on 11/1/24 at 1324 on ice [1.3C - LTG#5]. Additional Nitric Acid (99964) was needed upon arrival at the laboratory for MW358R. pH strip #96651. Date changes per Brett Gillihan. - JD/amberdilallo - 11/1/2024 11:52:44 AM

CHAIN-OF-CUSTODY / Analytical Request Document

24100001

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

Page: 1 of 4

Section A Required Client Information:

Company:	Vistra Corp-Baldwin
Address:	10901 Baldwin Road
	Baldwin, IL 62217
Email To:	Brian.Voelker@VistraCorp.com
Phone: (217) 753-8911	Fax:
Requested Due Date/TAT:	10 day

Section B Required Project Information:

Report To:	Brian Voelker
Copy To:	Sam Davies: samantha.davies@vistracorp.com
	Kim Edmiaston Kimberly.Edmiaston@vistracorp.com
Purchase Order No.:	
Project Name:	
Project Number:	

Section C Invoice Information:

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

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

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

Valid Matrix Codes

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

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Requested Analysis Filtered (Y/N) Y/N	Analysis Test: BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-NE-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-104DR	WT	G				4	2		2												X		24100001-001
2	MW-104SR	WT	G				4	2		2												X		24100001-002
3	MW-150	WT	G				4	2		2								X		X		X		24100001-003
4	MW-151	WT	G				4	2		2								X		X		X		24100001-004
5	MW-152	WT	G				4	2		2								X		X		X		24100001-005
6	MW-153	WT	G				4	2		2								X		X		X		24100001-006
7	MW-154	WT	G	10-14-24	DRY		4	2		2												X		24100001-007
8	MW-155	WT	G	10-14-24	1032		4	2		2												X		24100001-008
9	MW-192	WT	G				2	1		1							X		X					24100001-009
10	MW-193	WT	G				2	1		1							X		X					24100001-010
11	MW-195	WT	G				3	1		2											X			24100001-011
12	MW-196	WT	G				3	1		2											X			24100001-012
13	MW-197	WT	G				3	1		2											X			24100001-013
14	MW-198	WT	G				3	1		2											X			24100001-014
15	MW-252	WT	G				4	2		2								X		X		X		24100001-015
16	MW-253R	WT	G				4	2		2								X		X		X		24100001-016

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
BAL-24Q4 Rev 1	J. Colp	10-14	1540		10/14	1540		Y	N	
MW-195 : collect but hold all analyses pending instruction from Ramboll							12.1	Y		

SAMPLER NAME AND SIGNATURE			Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Justin Colp					
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY): 10-14-24				

Added HNO3 (99964) to Samples LTG 10
MW 383, MW 384, P2170
PH 96651

JD 10/14/24

24100001

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-Baldwin
Address:	10901 Baldwin Road
	Baldwin, IL 62217
Email To:	Brian.Voelker@VistraCorp.com
Phone: (217) 753-8911	Fax:
Requested Due Date/TAT:	10 day

Section B Required Project Information:

Report To:	Brian Voelker
Copy To:	Sam Davies: samantha.davies@vistracorp.com
	Kim Edmiaston Kimberly.Edmiaston@vistracorp.com
Purchase Order No.:	
Project Name:	
Project Number:	

Section C Invoice Information:

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

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

MATRIX	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)	BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-NE-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-304	WT	G				4	2		2							X	X	X	X	X	X		24100001-017
2	MW-350R	WT	G				4	2		2								X		X		X		24100001-018
3	MW-352	WT	G				3	1		2								X		X		X		24100001-019
4	MW-355	WT	G				4	2		2												X		24100001-020
5	MW-356	WT	G				2	1		1							X		X					24100001-021
6	MW-358R	WT	G				3	1		2							X	X	X	X	X			24100001-022
7	MW-366	WT	G				2	1		1								X		X				24100001-023
8	MW-369	WT	G				2	1		1							X		X					24100001-024
9	MW-370	WT	G				2	1		1							X		X					24100001-025
10	MW-375	WT	G				2	1		1								X		X				24100001-026
11	MW-377	WT	G				2	1		1								X		X				24100001-027
12	MW-382	WT	G	~~10-14-24~~	~~1416~~ TE		2	1		1							X		X					24100001-028
13	MW-383	WT	G	10-14-24	1341		2	1		1								X		X				24100001-029
14	MW-384	WT	G	10-14-24	1411		2	1		1								X		X				24100001-030
15	MW-390	WT	G				2	1		1								X		X				24100001-031
16	MW-391R	WT	G				2	1		1								X		X				24100001-032

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
BAL-24Q4 Rev 1	J. Colp	10-14	1540		10/14	1540

SAMPLE CONDITIONS

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

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: Justin Colp DATE Signed (MM/DD/YY): 10-14-24

* per Justin Colp. SRM 10/14/24

LTG 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 4

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Baldwin	Report To:	Brian Voelker	Attention:	Brian Voelker
Address:	10901 Baldwin Road	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Baldwin, IL 62217		Kim Edmiaston Kimberly.Edmiaston@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:		Profile #:	

REGULATORY AGENCY: NPDES | GROUND WATER | DRINKING WATER | UST | RCRA | OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

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

ITEM #	SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-NE-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-392	WT	G				2	1		1							X		X					24100001-033
2	MW-393	WT	G				2	1		1							X		X					24100001-034
3	MW-394	WT	G				2	1		1							X		X					24100001-035
4	OW-156	WT	G				0															X		24100001-036
5	OW-157	WT	G				0															X		24100001-037
6	OW-256	WT	G				2	1		1							X		X					24100001-038
7	OW-257	WT	G	10-14-24	1306		2	1		1							X		X					24100001-039
8	PZ-170	WT	G	10-14-24	1144		2	1		1							X		X					24100001-040
9	PZ-174	WT	G				3	1		2											X			24100001-041
10	PZ-176	WT	G				3	1		2											X			24100001-042
11	PZ-178	WT	G				3	1		2											X			24100001-043
12	PZ-182	WT	G				2	1		1							X		X					24100001-044
13	TPZ-164	WT	G				2	1		1							X		X					24100001-045
14	XPW01	WT	G				2	1		1							X		X					24100001-046
15	XPW05	WT	G				2	1		1							X		X					24100001-047
16	XPW06	WT	G				2	1		1							X		X					24100001-048

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
BAL-24Q4 Rev 1	J. Colp	1014	1540		10/14	1540		Y	N	
							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: Justin Colp DATE Signed (MM/DD/YY): 10-14-24

24100001

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 4

Section A Required Client Information:

Company:	Vistra Corp-Baldwin
Address:	10901 Baldwin Road
	Baldwin, IL 62217
Email To:	Brian.Voelker@VistraCorp.com
Phone: (217) 753-8911	Fax:
Requested Due Date/TAT:	10 day

Section B Required Project Information:

Report To:	Brian Voelker
Copy To:	Sam Davies: samantha.davies@vistracorp.com
	Kim Edmiaston Kimberly.Edmiaston@vistracorp.com
Purchase Order No.:	
Project Name:	
Project Number:	

Section C Invoice Information:

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

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

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

Valid Matrix Codes

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-NE-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-104DR	WT	G				4	2		2												X		24100001-001
2	MW-104SR	WT	G				4	2		2												X		24100001-002
3	MW-150	WT	G	10-15-24	1228		4	2		2								X		X		X		24100001-003
4	MW-151	WT	G				4	2		2								X		X		X		24100001-004
5	MW-152	WT	G				4	2		2								X		X		X		24100001-005
6	MW-153	WT	G				4	2		2								X		X		X		24100001-006
7	MW-154	WT	G				4	2		2												X		24100001-007
8	MW-155	WT	G				4	2		2												X		24100001-008
9	MW-192	WT	G	10-15-24	1058		2	1		1							X		X					24100001-009
10	MW-193	WT	G	10-15-24	0954		2	1		1							X		X					24100001-010
11	MW-195	WT	G				3	1		2											X			24100001-011
12	MW-196	WT	G				3	1		2											X			24100001-012
13	MW-197	WT	G				3	1		2											X			24100001-013
14	MW-198	WT	G				3	1		2											X			24100001-014
15	MW-252	WT	G				4	2		2								X		X		X		24100001-015
16	MW-253R	WT	G				4	2		2								X		X		X		24100001-016

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
BAL-24Q4 Rev 1	J. Colp	10-15	1648	Amber DiSalle	10/15/24	1648	8.1 #5	Y	N	
MW-195 : collect but hold all analyses pending instruction from Ramboll										

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Justin Colp				
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY):	10-15-24		

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

added HNO_3 (99164) to MW393 and MW394 PM 96657
LH 12/16/24

CHAIN-OF-CUSTODY / Analytical Request Document

24100001

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

Page: 2 of 4

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Baldwin	Report To:	Brian Voelker	Attention:	Brian Voelker
Address:	10901 Baldwin Road	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Baldwin, IL 62217		Kim Edmiaston Kimberly.Edmiaston@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:		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: BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-NE-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-304	WT	G				4	2		2							X	X	X	X	X	X		24100001-017
2	MW-350R	WT	G	10-15-24	1252		4	2		2								X		X		X		24100001-018
3	MW-352	WT	G				3	1		2								X		X		X		24100001-019
4	MW-355	WT	G				4	2		2												X		24100001-020
5	MW-356	WT	G				2	1		1							X		X					24100001-021
6	MW-358R	WT	G				3	1		2							X	X	X	X	X			24100001-022
7	MW-366	WT	G	10-15-24	1704		2	1		1								X		X				24100001-023
8	MW-369	WT	G	10-15-24	1125		2	1		1							X		X					24100001-024
9	MW-370	WT	G	10-15-24	1356		2	1		1							X		X					24100001-025
10	MW-375	WT	G				2	1		1								X		X				24100001-026
11	MW-377	WT	G				2	1		1								X		X				24100001-027
12	MW-382	WT	G	10-15-24	1332		2	1		1							X		X					24100001-028
13	MW-383	WT	G				2	1		1								X		X				24100001-029
14	MW-384	WT	G				2	1		1								X		X				24100001-030
15	MW-390	WT	G	10-15-24	1146		2	1		1								X		X				24100001-031
16	MW-391R	WT	G				2	1		1								X		X				24100001-032

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
BAL-24Q4 Rev 1	J. Colp	10-15	1648	Union Quality	10/15/24	1648				
							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): 10-15-24

CHAIN-OF-CUSTODY / Analytical Request Document

24100001

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

Page: 3 of 4

Section A Required Client Information:

Company:	Vistra Corp-Baldwin
Address:	10901 Baldwin Road
	Baldwin, IL 62217
Email To:	Brian.Voelker@VistraCorp.com
Phone: (217) 753-8911	Fax:
Requested Due Date/TAT:	10 day

Section B Required Project Information:

Report To:	Brian Voelker
Copy To:	Sam Davies: samantha.davies@vistracorp.com
	Kim Edmiaston Kimberly.Edmiaston@vistracorp.com
Purchase Order No.:	
Project Name:	
Project Number:	

Section C Invoice Information:

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

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

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

Valid Matrix Codes

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

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-NE-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-392	WT	G	10-15-24	1038		2	1		1							X		X					24100001-033
2	MW-393	WT	G	10-15-24	1014		2	1		1							X		X					24100001-034
3	MW-394	WT	G	10-15-24	0929		2	1		1							X		X					24100001-035
4	OW-156	WT	G				0															X		24100001-036
5	OW-157	WT	G				0															X		24100001-037
6	OW-256	WT	G	10-15-24	1140		2	1		1							X		X					24100001-038
7	OW-257	WT	G				2	1		1							X		X					24100001-039
8	PZ-170	WT	G				2	1		1							X		X					24100001-040
9	PZ-174	WT	G	10-15-24	1240		3	1		2											X			24100001-041
10	PZ-176	WT	G	10-15-24	1334		3	1		2											X			24100001-042
11	PZ-178	WT	G	10-15-24	1431		3	1		2											X			24100001-043
12	PZ-182	WT	G	10-15-24	1038		2	1		1							X		X					24100001-044
13	TPZ-164	WT	G				2	1		1							X		X					24100001-045
14	XPW01	WT	G				2	1		1							X		X					24100001-046
15	XPW05	WT	G				2	1		1							X		X					24100001-047
16	XPW06	WT	G				2	1		1							X		X					24100001-048

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
BAL-24Q4 Rev 1	J. Colp	10-15	1648	Jordan Dicalle	10/15/24	1648				
							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: Justin Colp DATE Signed (MM/DD/YY): 10-15-24

CHAIN-OF-CUSTODY / Analytical Request Document

24100001

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

Page: 4 of 4

Section A Required Client Information:

Company:	Vistra Corp-Baldwin
Address:	10901 Baldwin Road
	Baldwin, IL 62217
Email To:	Brian.Voelker@VistraCorp.com
Phone: (217) 753-8911	Fax:
Requested Due Date/TAT:	10 day

Section B Required Project Information:

Report To:	Brian Voelker
Copy To:	Sam Davies: samantha.davies@vistracorp.com
	Kim Edmiaston Kimberly.Edmiaston@vistracorp.com
Purchase Order No.:	
Project Name:	
Project Number:	

Section C Invoice Information:

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

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

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

Valid Matrix Codes

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

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	Requested Analysis Filtered (Y/N): BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-NE-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	Field Blank	WT	G				4	3		1							X	X	X	X	X	X		24100001-049
2	MW-304 Duplicate	WT	G				4	2		2							X	X	X	X	X	X		24100001-050
3	PZ-178 Duplicate	WT	G	10-15-24	1431		3	1		2											X			24100001-051
4	Equipment Blank 1	WT	G				4	3		1							X	X	X	X	X	X		24100001-052
5	Equipment Blank 2	WT	G				4	3		1							X	X	X	X	X	X		24100001-053
6	Equipment Blank 3	WT	G				4	3		1							X	X	X	X	X	X		24100001-054
7																								
8																								
9																								
10																								
11																								
12																								
13																								
14																								
15																								
16																								

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
BAL-24Q4 Rev 1	J. Colp	10-15	1648	Gordon Osborne	10/15/24	1648

SAMPLE CONDITIONS

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

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: Justin Colp DATE Signed (MM/DD/YY): 10-15-24

CHAIN-OF-CUSTODY / Analytical Request Document

24100001

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

Page: 1 of 4

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Baldwin	Report To: Brian Voelker	Attention: Brian Voelker
Address: 10901 Baldwin Road	Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp
Baldwin, IL 62217	Kim Edmiaston Kimberly.Edmiaston@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number:	Profile #:

REGULATORY AGENCY: NPDES GROUND WATER DRINKING WATER; UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

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

Valid Matrix Codes

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

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-NE-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-104DR	WT	G	10-16-24	1029		4	2		2											X			24100001-001
2	MW-104SR	WT	G	10-16-24	1104		4	2		2											X			24100001-002
3	MW-150	WT	G				4	2		2								X		X		X			24100001-003
4	MW-151	WT	G	10.16.24	1020		4	2		2								X		X		X			24100001-004
5	MW-152	WT	G	10.16.24	1231		4	2		2								X		X		X			24100001-005
6	MW-153	WT	G	10-16-24	1147		4	2		2								X		X		X			24100001-006
7	MW-154	WT	G				4	2		2												X			24100001-007
8	MW-155	WT	G				4	2		2												X			24100001-008
9	MW-192	WT	G				2	1		1							X		X						24100001-009
10	MW-193	WT	G				2	1		1							X		X						24100001-010
11	MW-195	WT	G				3	1		2											X				24100001-011
12	MW-196	WT	G				3	1		2											X				24100001-012
13	MW-197	WT	G				3	1		2											X				24100001-013
14	MW-198	WT	G				3	1		2											X				24100001-014
15	MW-252	WT	G	10.16.24	1151		4	2		2								X		X		X			24100001-015
16	MW-253R	WT	G	10-16-24	1215		4	2		2								X		X		X			24100001-016

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
BAL-24Q4 Rev 1	J. Colp	10-16	1615		10/16	1615	
MW-195 : collect but hold all analyses pending instruction from Ramboll							

SAMPLER NAME AND SIGNATURE			Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Justin Colp					
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY): 10-16-24				

PHR96651
Added HN03(99964) to MW304 and MW304 Dup
LH 10/17/24

LTC5

24100001

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-Baldwin	Report To: Brian Voelker	Attention: Brian Voelker
Address: 10901 Baldwin Road	Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp
Baldwin, IL 62217	Kim Edmiaston Kimberly.Edmiaston@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number:	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: BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-NE-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-304	WT	G	10-16-24	0933		4	2		2							X	X	X	X	X	X		24100001-017
2	MW-350R	WT	G				4	2		2								X		X		X		24100001-018
3	MW-352	WT	G	10.16.24	1118		3	1		2								X		X		X		24100001-019
4	MW-355	WT	G	10-16-24	1428		4	2		2												X		24100001-020
5	MW-356	WT	G	10.16.24	1426		2	1		1							X		X					24100001-021
6	MW-358R Dry	WT	G	10/16/24			3	1		2							X	X	X	X	X			24100001-022
7	MW-366	WT	G				2	1		1								X		X				24100001-023
8	MW-369	WT	G				2	1		1							X		X					24100001-024
9	MW-370	WT	G				2	1		1							X		X					24100001-025
10	MW-375	WT	G	10-16-24	1304		2	1		1								X		X				24100001-026
11	MW-377	WT	G	10-16-24	1339		2	1		1								X		X				24100001-027
12	MW-382	WT	G				2	1		1							X		X					24100001-028
13	MW-383	WT	G				2	1		1								X		X				24100001-029
14	MW-384	WT	G				2	1		1								X		X				24100001-030
15	MW-390	WT	G				2	1		1								X		X				24100001-031
16	MW-391R	WT	G				2	1		1								X		X				24100001-032

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
BAL-24Q4 Rev 1	J. Colp	10-16	1615		10/16	1615	
MW-358R dry per Justin Colp & Brett Gillihan ERH 10/18/24							

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER: Justin Colp					
SIGNATURE of SAMPLER:	DATE Signed (MM/DD/YY): 10-16-24	Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

CHAIN-OF-CUSTODY / Analytical Request Document

24100001

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

Page: 3 of 4

Section A Required Client Information:

Company:	Vistra Corp-Baldwin
Address:	10901 Baldwin Road
	Baldwin, IL 62217
Email To:	Brian.Voelker@VistraCorp.com
Phone: (217) 753-8911	Fax:
Requested Due Date/TAT:	10 day

Section B Required Project Information:

Report To:	Brian Voelker
Copy To:	Sam Davies: samantha.davies@vistracorp.com
	Kim Edmiaston Kimberly.Edmiaston@vistracorp.com
Purchase Order No.:	
Project Name:	
Project Number:	

Section C Invoice Information:

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

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

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

Valid Matrix Codes

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-NE-605	BAL-WPCP-605							Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-392	WT	G				2	1		1							X		X											24100001-033
2	MW-393	WT	G				2	1		1							X		X											24100001-034
3	MW-394	WT	G				2	1		1							X		X											24100001-035
4	OW-156	WT	G	10.16.24	1435		0															X								24100001-036
5	OW-157	WT	G				0															X								24100001-037
6	OW-256	WT	G				2	1		1							X		X											24100001-038
7	OW-257	WT	G				2	1		1							X		X											24100001-039
8	PZ-170	WT	G				2	1		1							X		X											24100001-040
9	PZ-174	WT	G				3	1		2											X									24100001-041
10	PZ-176	WT	G				3	1		2											X									24100001-042
11	PZ-178	WT	G				3	1		2											X									24100001-043
12	PZ-182	WT	G				2	1		1							X		X											24100001-044
13	TPZ-164	WT	G				2	1		1							X		X											24100001-045
14	XPW01	WT	G				2	1		1							X		X											24100001-046
15	XPW05	WT	G				2	1		1							X		X											24100001-047
16	XPW06	WT	G				2	1		1							X		X											24100001-048

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
BAL-24Q4 Rev 1	J. Colp	10-16	1615		10/16	1615	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: Justin Colp DATE Signed (MM/DD/YY): 10-16-24

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

CHAIN-OF-CUSTODY / Analytical Request Document

24100001

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

Page: 4 of 4

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Baldwin	Report To:	Brian Voelker	Attention:	Brian Voelker
Address:	10901 Baldwin Road	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Baldwin, IL 62217		Kim Edmiaston Kimberly.Edmiaston@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:		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	BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-NE-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	Field Blank	WT	G				4	3		1							X	X	X	X	X	X		24100001-049
2	MW-304 Duplicate	WT	G	10-16-24	0933		4	2		2							X	X	X	X	X	X		24100001-050
3	PZ-178 Duplicate	WT	G				3	1		2											X			24100001-051
4	Equipment Blank 1	WT	G				4	3		1							X	X	X	X	X	X		24100001-052
5	Equipment Blank 2	WT	G				4	3		1							X	X	X	X	X	X		24100001-053
6	Equipment Blank 3	WT	G				4	3		1							X	X	X	X	X	X		24100001-054
7																								
8																								
9																								
10																								
11																								
12																								
13																								
14																								
15																								
16																								

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
BAL-24Q4 Rev 1	J. Colp	10-16	1615		10/16	1615	

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): 10-16-24		Y	N	

24100001

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 4

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Baldwin	Report To:	Brian Voelker	Attention:	Brian Voelker
Address:	10901 Baldwin Road	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Baldwin, IL 62217		Kim Edmiaston Kimberly.Edmiaston@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:		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: BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-NE-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-104DR	WT	G				4	2		2												X		24100001-001
2	MW-104SR	WT	G				4	2		2												X		24100001-002
3	MW-150	WT	G				4	2		2								X		X		X		24100001-003
4	MW-151	WT	G				4	2		2								X		X		X		24100001-004
5	MW-152	WT	G				4	2		2								X		X		X		24100001-005
6	MW-153	WT	G	ERH 10/18/24			4	2		2								X		X		X		24100001-006
7	MW-154	WT	G	~~dry~~	~~dry~~		4	2		2												X		24100001-007
8	MW-155	WT	G				4	2		2												X		24100001-008
9	MW-192	WT	G				2	1		1							X		X					24100001-009
10	MW-193	WT	G				2	1		1							X		X					24100001-010
11	MW-195	WT	G	10-17-24	1318		3	1		2											X			24100001-011
12	MW-196	WT	G	↓	1134		3	1		2											X			24100001-012
13	MW-197	WT	G		1235		3	1		2											X			24100001-013
14	MW-198 10/18/24	WT	G	BG			3	1		2											X			24100001-014
15	MW-252 BG/ERH	WT	G	ERH 10/18/24			4	2		2								X		X		X		24100001-015
16	MW-253R ~~DTW~~	WT	G	~~10-17-24~~			4	2		2								X		X		X		24100001-016

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
BAL-24Q4 Rev 1		10.17.24	1512		10/17/24	1512
MW-195 : collect but hold all analyses pending instruction from Rambol						

SAMPLE CONDITIONS	Y	N	
Temp in °C: 9.9	Received on Ice (Y/N): Y	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Culp

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 10-17-24

PW 9/6/05

LH 10/17/24

CTG

24100001

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-Baldwin	Report To:	Brian Voelker	Attention:	Brian Voelker
Address:	10901 Baldwin Road	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Baldwin, IL 62217		Kim Edmiaston Kimberly.Edmiaston@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:		Profile #:	

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

Section D Required Client Information

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

Valid Matrix Codes

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

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test	BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-NE-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-392	WT	G				2	1		1								X		X					24100001-033
2	MW-393	WT	G				2	1		1								X		X					24100001-034
3	MW-394	WT	G				2	1		1								X		X					24100001-035
4	OW-156	WT	G				0															X			24100001-036
5	OW-157	WT	G	10-17-24	1302		0															X			24100001-037
6	OW-256	WT	G				2	1		1								X		X					24100001-038
7	OW-257	WT	G				2	1		1								X		X					24100001-039
8	PZ-170	WT	G				2	1		1								X		X					24100001-040
9	PZ-174	WT	G				3	1		2												X			24100001-041
10	PZ-176	WT	G				3	1		2												X			24100001-042
11	PZ-178	WT	G				3	1		2												X			24100001-043
12	PZ-182	WT	G				2	1		1								X		X					24100001-044
13	TPZ-164	WT	G	10-17-24	1217		2	1		1								X		X					24100001-045
14	XPW01	WT	G	10-17-24	1154		2	1		1								X		X					24100001-046
15	XPW05	WT	G	"	1139		2	1		1								X		X					24100001-047
16	XPW06	WT	G	"	1019		2	1		1								X		X					24100001-048

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
BAL-24Q4 Rev 1	Justin Carroll	10/17/24	1512		10/17/24	1512	

SAMPLER NAME AND SIGNATURE			Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Justin Carroll					
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY): 10-17-24				

BAL-257-601

24100001

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-Baldwin	Report To:	Brian Voelker	Attention:	Brian Voelker
Address:	10901 Baldwin Road	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Baldwin, IL 62217		Kim Edmiaston Kimberly.Edmiaston@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:		Profile #:	

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

Section D Required Client Information

Valid Matrix Codes

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

ITEM #	SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-NE-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	Field Blank	WT	G	10-17-24	1308		4	3		1							X	X	X	X	X	X		24100001-049
2	MW-304 Duplicate	WT	G				4	2		2							X	X	X	X	X	X		24100001-050
3	PZ-178 Duplicate	WT	G				3	1		2											X			24100001-051
4	Equipment Blank 1	WT	G	10-17-24	1331		4	3		1							X	X	X	X	X	X		24100001-052
5	Equipment Blank 2	WT	G				4	3		1							X	X	X	X	X	X		24100001-053
6	Equipment Blank 3	WT	G				4	3		1							X	X	X	X	X	X		24100001-054
7																								
8																								
9																								
10																								
11																								
12																								
13																								
14																								
15																								
16																								

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
BAL-24Q4 Rev 1		10/17/24	1512		10/18/24	1512		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:		DATE Signed (MM/DD/YY): 10-17-24				

CHAIN-OF-CUSTODY / Analytical Request Document

24100001

IEPA 257-601

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

Page: 1 of 4

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Baldwin	Report To:	Brian Voelker	Attention:	Brian Voelker
Address:	10901 Baldwin Road	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Baldwin, IL 62217		Kim Edmiaston Kimberly.Edmiaston@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:		Profile #:	

REGULATORY AGENCY: NPDES | GROUND WATER | DRINKING WATER | UST | RCRA | OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

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

ITEM #	SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	Requested Analysis Filtered (Y/N): BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-NE-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-104DR	WT	G				4	2		2												X		24100001-001
2	MW-104SR	WT	G				4	2		2												X		24100001-002
3	MW-150	WT	G				4	2		2								X		X		X		24100001-003
4	MW-151	WT	G				4	2		2								X		X		X		24100001-004
5	MW-152	WT	G				4	2		2								X		X		X		24100001-005
6	MW-153	WT	G				4	2		2								X		X		X		24100001-006
7	MW-154	WT	G	11-1-24	Dry		4	2		2												X		24100001-007
8	MW-155	WT	G				4	2		2												X		24100001-008
9	MW-192	WT	G				2	1		1							X		X					24100001-009
10	MW-193	WT	G				2	1		1							X		X					24100001-010
11	MW-195	WT	G				3	1		2											X			24100001-011
12	MW-196	WT	G		TE 1200		3	1		2											X			24100001-012
13	MW-197	WT	G	~~11-1-24~~	~~1042~~		3	1		2											X			24100001-013
14	MW-198	WT	G	11-1-24	1042		3	1		2											X			24100001-014
15	MW-252	WT	G				4	2		2								X		X		X		24100001-015
16	MW-253R	WT	G				4	2		2								X		X		X		24100001-016

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)
BAL-24Q4 Rev 1		11-1	1324		11/1/24	13:24	1.3	Y	N	
MW-195 : collect but hold all analyses pending instruction from Ramboll							#5			

Added HNO3 (99964) to Sample MW358R

PH 96657 JD 11/1/24

per Brett Gillikan dm 11/1/24

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Brett Gillikan

SIGNATURE of SAMPLER: Brett Gillikan

DATE Signed (MM/DD/YY):

CHAIN-OF-CUSTODY / Analytical Request Document

24100001

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-Baldwin	Report To:	Brian Voelker	Attention:	Brian Voelker
Address:	10901 Baldwin Road	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Baldwin, IL 62217		Kim Edmiaston Kimberly.Edmiaston@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:		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	BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-NE-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-304	WT	G				4	2		2							X	X	X	X	X	X		24100001-017
2	MW-350R	WT	G				4	2		2								X		X		X		24100001-018
3	MW-352	WT	G				3	1		2								X		X		X		24100001-019
4	MW-355	WT	G		TE UM		4	2		2												X		24100001-020
5	MW-356	WT	G	11-1-24	1129		2	1		1							X		X					24100001-021
6	MW-358R	WT	G	11-1-24	1128		3	1		2							X	X	X	X	X			24100001-022
7	MW-366	WT	G				2	1		1								X		X				24100001-023
8	MW-369	WT	G				2	1		1							X		X					24100001-024
9	MW-370	WT	G				2	1		1							X		X					24100001-025
10	MW-375	WT	G				2	1		1								X		X				24100001-026
11	MW-377	WT	G				2	1		1								X		X				24100001-027
12	MW-382	WT	G				2	1		1							X		X					24100001-028
13	MW-383	WT	G				2	1		1								X		X				24100001-029
14	MW-384	WT	G				2	1		1								X		X				24100001-030
15	MW-390	WT	G				2	1		1								X		X				24100001-031
16	MW-391R	WT	G	11-1-24	DRY		2	1		1								X		X				24100001-032

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
BAL-24Q4 Rev 1	BJ SO	11-1	1324	Jacki Davis	11/1/24	13:24	

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

CHAIN-OF-CUSTODY / Analytical Request Document

24100001

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

Page: 3 of 4

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Baldwin	Report To: Brian Voelker	Attention: Brian Voelker
Address: 10901 Baldwin Road	Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp
Baldwin, IL 62217	Kim Edmiaston Kimberly.Edmiaston@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number:	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	BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-NE-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-392	WT	G				2	1		1							X		X					24100001-033
2	MW-393	WT	G				2	1		1							X		X					24100001-034
3	MW-394	WT	G				2	1		1							X		X					24100001-035
4	OW-156	WT	G				0														X			24100001-036
5	OW-157	WT	G				0														X			24100001-037
6	OW-256	WT	G				2	1		1							X		X					24100001-038
7	OW-257	WT	G				2	1		1							X		X					24100001-039
8	PZ-170	WT	G				2	1		1							X		X					24100001-040
9	PZ-174	WT	G				3	1		2											X			24100001-041
10	PZ-176	WT	G				3	1		2											X			24100001-042
11	PZ-178	WT	G				3	1		2											X			24100001-043
12	PZ-182	WT	G				2	1		1							X		X					24100001-044
13	TPZ-164	WT	G				2	1		1							X		X					24100001-045
14	XPW01	WT	G				2	1		1							X		X					24100001-046
15	XPW05	WT	G				2	1		1							X		X					24100001-047
16	XPW06	WT	G				2	1		1							X		X					24100001-048

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
BAL-24Q4 Rev 1		11-1	1324	Jackie Davis	11/1/24	13:24	

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

CHAIN-OF-CUSTODY / Analytical Request Document

24100001

SDG: 257-601

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-Baldwin	Report To:	Brian Voelker	Attention:	Brian Voelker
Address:	10901 Baldwin Road	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Baldwin, IL 62217		Kim Edmiaston Kimberly.Edmiaston@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:		Profile #:	

REGULATORY AGENCY

NPDES | **GROUND WATER** | DRINKING WATER

UST | RCRA | OTHER

Site Location STATE: IL

Section D Required Client Information

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

Valid Matrix Codes

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

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	Requested Analysis Filtered (Y/N): BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-NE-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	Field Blank	WT	G				4	3		1							X	X	X	X	X	X		24100001-049
2	MW-304 Duplicate	WT	G				4	2		2							X	X	X	X	X	X		24100001-050
3	PZ-178 Duplicate	WT	G				3	1		2											X			24100001-051
4	Equipment Blank 1	WT	G				4	3		1							X	X	X	X	X	X		24100001-052
5	Equipment Blank 2	WT	G				4	3		1							X	X	X	X	X	X		24100001-053
6	Equipment Blank 3	WT	G				4	3		1							X	X	X	X	X	X		24100001-054
7																								
8																								
9																								
10																								
11																								
12																								
13																								
14																								
15																								
16																								

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
BAL-24Q4 Rev 1		11-1	1324		11/1/24	13:24	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

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

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

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

December 05, 2024

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

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

RE: BAL-24Q4 **WorkOrder:** 24100002

Dear Eric Bauer:

TEKLAB, INC received 41 samples on 11/1/2024 1:24:00 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
Client Project: BAL-24Q4

Work Order: 24100002
Report Date: 05-Dec-24

This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	5
Accreditations	6
Laboratory Results	7
Sample Summary	46
Receiving Check List	48
Chain of Custody	Appended

Definitions

Client: Ramboll **Work Order:** 24100002

Client Project: BAL-24Q4 **Report Date:** 05-Dec-24

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

Definitions

Client: Ramboll **Work Order:** 24100002

Client Project: BAL-24Q4 **Report Date:** 05-Dec-24

Qualifiers

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

Case Narrative

Client: Ramboll
Client Project: BAL-24Q4

Work Order: 24100002
Report Date: 05-Dec-24

Cooler Receipt Temp: 12.1 °C

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

MW-195 was collected but not analyzed per Ramboll's request.

MW-391R could not be collected; the well was dry.

Ra226/228 analyses were performed by Eurofins St. Louis. See attached report for results and QC.

Locations

Collinsville

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

Springfield

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

Kansas City

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

Collinsville Air

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

Chicago

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

Accreditations

Client: Ramboll **Work Order:** 24100002

Client Project: BAL-24Q4 **Report Date:** 05-Dec-24

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2025	Collinsville
Illinois	IEPA	1004652024-2	NELAP	4/30/2025	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2025	Collinsville
Louisiana	LDEQ	05002	NELAP	6/30/2025	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2025	Collinsville
Oklahoma	ODEQ	9978	NELAP	12/31/2024	Collinsville
Arkansas	ADEQ	88-0966		3/14/2025	Collinsville
Illinois	IDPH	17584		5/31/2025	Collinsville
Iowa	IDNR	430		6/1/2026	Collinsville
Kentucky	UST	0073		1/31/2025	Collinsville
Mississippi	MSDH			4/30/2025	Collinsville
Missouri	MDNR	930		1/31/2025	Collinsville
Missouri	MDNR	00930		10/31/2026	Collinsville

Laboratory Results

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

Client: Ramboll **Work Order:** 24100002

Client Project: BAL-24Q4 **Report Date:** 05-Dec-24

Lab ID: 24100002-001 **Client Sample ID:** MW-150

Matrix: GROUNDWATER **Collection Date:** 10/15/2024 12:28

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	11/08/2024 12:07	R357104

Laboratory Results

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

Client: Ramboll **Work Order:** 24100002

Client Project: BAL-24Q4 **Report Date:** 05-Dec-24

Lab ID: 24100002-002 **Client Sample ID:** MW-151

Matrix: GROUNDWATER **Collection Date:** 10/16/2024 10:20

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	11/08/2024 12:08	R357104

Laboratory Results

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

Client: Ramboll **Work Order:** 24100002

Client Project: BAL-24Q4 **Report Date:** 05-Dec-24

Lab ID: 24100002-003 **Client Sample ID:** MW-152

Matrix: GROUNDWATER **Collection Date:** 10/16/2024 12:31

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	11/08/2024 12:08	R357104

Laboratory Results

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

Client: Ramboll **Work Order:** 24100002

Client Project: BAL-24Q4 **Report Date:** 05-Dec-24

Lab ID: 24100002-004 **Client Sample ID:** MW-153

Matrix: GROUNDWATER **Collection Date:** 10/16/2024 11:47

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	11/08/2024 12:08	R357104

Laboratory Results

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

Client: Ramboll **Work Order:** 24100002

Client Project: BAL-24Q4 **Report Date:** 05-Dec-24

Lab ID: 24100002-005 **Client Sample ID:** MW-192

Matrix: GROUNDWATER **Collection Date:** 10/15/2024 10:58

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	11/08/2024 12:08	R357104

Laboratory Results

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

Client: Ramboll **Work Order:** 24100002

Client Project: BAL-24Q4 **Report Date:** 05-Dec-24

Lab ID: 24100002-006 **Client Sample ID:** MW-193

Matrix: GROUNDWATER **Collection Date:** 10/15/2024 9:54

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	11/08/2024 12:08	R357104

Laboratory Results

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

Client: Ramboll **Work Order:** 24100002

Client Project: BAL-24Q4 **Report Date:** 05-Dec-24

Lab ID: 24100002-008 **Client Sample ID:** MW-196

Matrix: GROUNDWATER **Collection Date:** 10/17/2024 11:34

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	11/08/2024 12:08	R357104

Laboratory Results

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

Client: Ramboll **Work Order:** 24100002

Client Project: BAL-24Q4 **Report Date:** 05-Dec-24

Lab ID: 24100002-009 **Client Sample ID:** MW-197

Matrix: GROUNDWATER **Collection Date:** 10/17/2024 12:35

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	11/08/2024 12:08	R357104

Laboratory Results

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

Client: Ramboll **Work Order:** 24100002

Client Project: BAL-24Q4 **Report Date:** 05-Dec-24

Lab ID: 24100002-010 **Client Sample ID:** MW-198

Matrix: GROUNDWATER **Collection Date:** 11/01/2024 10:42

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	11/21/2024 14:56	R357104

Laboratory Results

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

Client: Ramboll **Work Order:** 24100002

Client Project: BAL-24Q4 **Report Date:** 05-Dec-24

Lab ID: 24100002-011 **Client Sample ID:** MW-252

Matrix: GROUNDWATER **Collection Date:** 10/16/2024 11:51

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	11/08/2024 12:08	R357104

Laboratory Results

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

Client: Ramboll **Work Order:** 24100002

Client Project: BAL-24Q4 **Report Date:** 05-Dec-24

Lab ID: 24100002-012 **Client Sample ID:** MW-253R

Matrix: GROUNDWATER **Collection Date:** 10/16/2024 12:15

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	11/08/2024 12:09	R357104

Laboratory Results

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

Client: Ramboll **Work Order:** 24100002

Client Project: BAL-24Q4 **Report Date:** 05-Dec-24

Lab ID: 24100002-013 **Client Sample ID:** MW-304

Matrix: GROUNDWATER **Collection Date:** 10/16/2024 9:33

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	11/08/2024 12:09	R357104

Laboratory Results

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

Client: Ramboll **Work Order:** 24100002

Client Project: BAL-24Q4 **Report Date:** 05-Dec-24

Lab ID: 24100002-014 **Client Sample ID:** MW-350R

Matrix: GROUNDWATER **Collection Date:** 10/15/2024 12:52

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	11/08/2024 12:09	R357104

Laboratory Results

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

Client: Ramboll **Work Order:** 24100002

Client Project: BAL-24Q4 **Report Date:** 05-Dec-24

Lab ID: 24100002-015 **Client Sample ID:** MW-352

Matrix: GROUNDWATER **Collection Date:** 10/16/2024 11:18

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	11/08/2024 12:09	R357104

Laboratory Results

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

Client: Ramboll **Work Order:** 24100002

Client Project: BAL-24Q4 **Report Date:** 05-Dec-24

Lab ID: 24100002-016 **Client Sample ID:** MW-356

Matrix: GROUNDWATER **Collection Date:** 10/16/2024 14:26

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	11/08/2024 12:09	R357104

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24100002

Client Project: BAL-24Q4 **Report Date:** 05-Dec-24

Lab ID: 24100002-017 **Client Sample ID:** MW-358R

Matrix: GROUNDWATER **Collection Date:** 11/01/2024 11:28

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	11/21/2024 14:56	R357104

Laboratory Results

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

Client: Ramboll **Work Order:** 24100002

Client Project: BAL-24Q4 **Report Date:** 05-Dec-24

Lab ID: 24100002-018 **Client Sample ID:** MW-366

Matrix: GROUNDWATER **Collection Date:** 10/15/2024 12:04

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	11/08/2024 12:10	R357104

Laboratory Results

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

Client: Ramboll **Work Order:** 24100002

Client Project: BAL-24Q4 **Report Date:** 05-Dec-24

Lab ID: 24100002-019 **Client Sample ID:** MW-369

Matrix: GROUNDWATER **Collection Date:** 10/15/2024 11:25

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	11/08/2024 12:10	R357104

Laboratory Results

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

Client: Ramboll **Work Order:** 24100002

Client Project: BAL-24Q4 **Report Date:** 05-Dec-24

Lab ID: 24100002-020 **Client Sample ID:** MW-370

Matrix: GROUNDWATER **Collection Date:** 10/15/2024 13:56

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	11/08/2024 12:10	R357104

Laboratory Results

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

Client: Ramboll **Work Order:** 24100002

Client Project: BAL-24Q4 **Report Date:** 05-Dec-24

Lab ID: 24100002-021 **Client Sample ID:** MW-375

Matrix: GROUNDWATER **Collection Date:** 10/16/2024 13:04

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	11/08/2024 12:10	R357104

Laboratory Results

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

Client: Ramboll **Work Order:** 24100002

Client Project: BAL-24Q4 **Report Date:** 05-Dec-24

Lab ID: 24100002-022 **Client Sample ID:** MW-377

Matrix: GROUNDWATER **Collection Date:** 10/16/2024 13:39

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	11/21/2024 14:55	R357104

Laboratory Results

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

Client: Ramboll **Work Order:** 24100002

Client Project: BAL-24Q4 **Report Date:** 05-Dec-24

Lab ID: 24100002-023 **Client Sample ID:** MW-382

Matrix: GROUNDWATER **Collection Date:** 10/15/2024 13:32

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	11/08/2024 12:10	R357104

Laboratory Results

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

Client: Ramboll **Work Order:** 24100002

Client Project: BAL-24Q4 **Report Date:** 05-Dec-24

Lab ID: 24100002-024 **Client Sample ID:** MW-383

Matrix: GROUNDWATER **Collection Date:** 10/14/2024 13:41

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	11/08/2024 12:10	R357104

Laboratory Results

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

Client: Ramboll **Work Order:** 24100002

Client Project: BAL-24Q4 **Report Date:** 05-Dec-24

Lab ID: 24100002-025 **Client Sample ID:** MW-384

Matrix: GROUNDWATER **Collection Date:** 10/14/2024 14:16

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	11/08/2024 12:10	R357104

Laboratory Results

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

Client: Ramboll **Work Order:** 24100002

Client Project: BAL-24Q4 **Report Date:** 05-Dec-24

Lab ID: 24100002-026 **Client Sample ID:** MW-390

Matrix: GROUNDWATER **Collection Date:** 10/15/2024 11:46

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	11/08/2024 12:11	R357104

Laboratory Results

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

Client: Ramboll **Work Order:** 24100002

Client Project: BAL-24Q4 **Report Date:** 05-Dec-24

Lab ID: 24100002-028 **Client Sample ID:** MW-392

Matrix: GROUNDWATER **Collection Date:** 10/15/2024 10:38

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	11/08/2024 12:11	R357104

Laboratory Results

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

Client: Ramboll **Work Order:** 24100002

Client Project: BAL-24Q4 **Report Date:** 05-Dec-24

Lab ID: 24100002-029 **Client Sample ID:** MW-393

Matrix: GROUNDWATER **Collection Date:** 10/15/2024 10:14

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	11/08/2024 13:22	R357104

Laboratory Results

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

Client: Ramboll **Work Order:** 24100002

Client Project: BAL-24Q4 **Report Date:** 05-Dec-24

Lab ID: 24100002-030 **Client Sample ID:** MW-394

Matrix: GROUNDWATER **Collection Date:** 10/15/2024 9:29

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	11/08/2024 13:21	R357104

Laboratory Results

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

Client: Ramboll **Work Order:** 24100002

Client Project: BAL-24Q4 **Report Date:** 05-Dec-24

Lab ID: 24100002-031 **Client Sample ID:** OW-256

Matrix: GROUNDWATER **Collection Date:** 10/15/2024 11:40

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	11/08/2024 13:22	R357104

Laboratory Results

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

Client: Ramboll **Work Order:** 24100002

Client Project: BAL-24Q4 **Report Date:** 05-Dec-24

Lab ID: 24100002-032 **Client Sample ID:** OW-257

Matrix: GROUNDWATER **Collection Date:** 10/14/2024 13:06

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	11/08/2024 13:23	R357104

Laboratory Results

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

Client: Ramboll **Work Order:** 24100002

Client Project: BAL-24Q4 **Report Date:** 05-Dec-24

Lab ID: 24100002-033 **Client Sample ID:** PZ-170

Matrix: GROUNDWATER **Collection Date:** 10/14/2024 11:44

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	11/08/2024 13:24	R357104

Laboratory Results

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

Client: Ramboll **Work Order:** 24100002

Client Project: BAL-24Q4 **Report Date:** 05-Dec-24

Lab ID: 24100002-034 **Client Sample ID:** PZ-174

Matrix: GROUNDWATER **Collection Date:** 10/15/2024 12:40

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	11/08/2024 13:23	R357104

Laboratory Results

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

Client: Ramboll **Work Order:** 24100002

Client Project: BAL-24Q4 **Report Date:** 05-Dec-24

Lab ID: 24100002-035 **Client Sample ID:** PZ-176

Matrix: GROUNDWATER **Collection Date:** 10/15/2024 13:34

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	11/08/2024 13:23	R357104

Laboratory Results

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

Client: Ramboll **Work Order:** 24100002

Client Project: BAL-24Q4 **Report Date:** 05-Dec-24

Lab ID: 24100002-036 **Client Sample ID:** PZ-178

Matrix: GROUNDWATER **Collection Date:** 10/15/2024 14:31

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	11/08/2024 13:24	R357104

Laboratory Results

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

Client: Ramboll **Work Order:** 24100002

Client Project: BAL-24Q4 **Report Date:** 05-Dec-24

Lab ID: 24100002-037 **Client Sample ID:** PZ-182

Matrix: GROUNDWATER **Collection Date:** 10/15/2024 10:38

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	11/08/2024 13:25	R357104

Laboratory Results

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

Client: Ramboll **Work Order:** 24100002

Client Project: BAL-24Q4 **Report Date:** 05-Dec-24

Lab ID: 24100002-038 **Client Sample ID:** Field Blank

Matrix: AQUEOUS **Collection Date:** 10/17/2024 13:08

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	11/07/2024 17:16	R357104

Laboratory Results

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

Client: Ramboll **Work Order:** 24100002

Client Project: BAL-24Q4 **Report Date:** 05-Dec-24

Lab ID: 24100002-039 **Client Sample ID:** MW-304 Duplicate

Matrix: GROUNDWATER **Collection Date:** 10/16/2024 9:33

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	11/08/2024 13:25	R357104

Laboratory Results

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

Client: Ramboll **Work Order:** 24100002

Client Project: BAL-24Q4 **Report Date:** 05-Dec-24

Lab ID: 24100002-040 **Client Sample ID:** PZ-178 Duplicate

Matrix: GROUNDWATER **Collection Date:** 10/15/2024 14:31

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	11/07/2024 17:16	R357104

Laboratory Results

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

Client: Ramboll **Work Order:** 24100002

Client Project: BAL-24Q4 **Report Date:** 05-Dec-24

Lab ID: 24100002-041 **Client Sample ID:** Equipment Blank 1

Matrix: AQUEOUS **Collection Date:** 10/17/2024 13:31

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	11/06/2024 13:27	R357104

Teklab, Inc. Environmental Laboratory

Sample Summary

Client: Ramboll
Client Project: BAL-24Q4

Work Order: 24100002
Report Date: 05-Dec-24

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
24100002-001	MW-150	Groundwater	1	10/15/2024 12:28
24100002-002	MW-151	Groundwater	1	10/16/2024 10:20
24100002-003	MW-152	Groundwater	1	10/16/2024 12:31
24100002-004	MW-153	Groundwater	1	10/16/2024 11:47
24100002-005	MW-192	Groundwater	1	10/15/2024 10:58
24100002-006	MW-193	Groundwater	1	10/15/2024 9:54
24100002-007	MW-195	Groundwater	1	10/17/2024 13:18
24100002-008	MW-196	Groundwater	1	10/17/2024 11:34
24100002-009	MW-197	Groundwater	1	10/17/2024 12:35
24100002-010	MW-198	Groundwater	1	11/01/2024 10:42
24100002-011	MW-252	Groundwater	1	10/16/2024 11:51
24100002-012	MW-253R	Groundwater	1	10/16/2024 12:15
24100002-013	MW-304	Groundwater	1	10/16/2024 9:33
24100002-014	MW-350R	Groundwater	1	10/15/2024 12:52
24100002-015	MW-352	Groundwater	1	10/16/2024 11:18
24100002-016	MW-356	Groundwater	1	10/16/2024 14:26
24100002-017	MW-358R	Groundwater	1	11/01/2024 11:28
24100002-018	MW-366	Groundwater	1	10/15/2024 12:04
24100002-019	MW-369	Groundwater	1	10/15/2024 11:25
24100002-020	MW-370	Groundwater	1	10/15/2024 13:56
24100002-021	MW-375	Groundwater	1	10/16/2024 13:04
24100002-022	MW-377	Groundwater	1	10/16/2024 13:39
24100002-023	MW-382	Groundwater	1	10/15/2024 13:32
24100002-024	MW-383	Groundwater	1	10/14/2024 13:41
24100002-025	MW-384	Groundwater	1	10/14/2024 14:16
24100002-026	MW-390	Groundwater	1	10/15/2024 11:46
24100002-027	MW-391R	Groundwater	1	10/17/2024 0:00
24100002-028	MW-392	Groundwater	1	10/15/2024 10:38
24100002-029	MW-393	Groundwater	1	10/15/2024 10:14
24100002-030	MW-394	Groundwater	1	10/15/2024 9:29
24100002-031	OW-256	Groundwater	1	10/15/2024 11:40
24100002-032	OW-257	Groundwater	1	10/14/2024 13:06
24100002-033	PZ-170	Groundwater	1	10/14/2024 11:44
24100002-034	PZ-174	Groundwater	1	10/15/2024 12:40
24100002-035	PZ-176	Groundwater	1	10/15/2024 13:34
24100002-036	PZ-178	Groundwater	1	10/15/2024 14:31
24100002-037	PZ-182	Groundwater	1	10/15/2024 10:38
24100002-038	Field Blank	Aqueous	1	10/17/2024 13:08
24100002-039	MW-304 Duplicate	Groundwater	1	10/16/2024 9:33

Sample Summary

http://www.teklabinc.com/

Client: Ramboll
Client Project: BAL-24Q4

Work Order: 24100002
Report Date: 05-Dec-24

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
24100002-040	PZ-178 Duplicate	Groundwater	1	10/15/2024 14:31
24100002-041	Equipment Blank 1	Aqueous	1	10/17/2024 13:31

Teklab, Inc. Environmental Laboratory

Receiving Check List

http://www.teklabinc.com/

Client: Ramboll
Work Order: 24100002
Client Project: BAL-24Q4
Report Date: 05-Dec-24

Carrier: Justin Colp
Received By: LEH

Completed by: Laura E Henson
On: 14-Oct-24

Reviewed by: Ellie Hopkins
On: 04-Nov-24

Pages to follow: Chain of custody 14 Extra pages included 50

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C 12.1
Type of thermal preservation?	None ☐	Ice ☑	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Reported field parameters measured:	Field ☐	Lab ☐	NA ☑	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐		
When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.				
Water – at least one vial per sample has zero headspace?	Yes ☐	No ☐	No VOA vials ☑	
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☑	
Water - pH acceptable upon receipt?	Yes ☐	No ☑	NA ☐	
NPDES/CWA TCN interferences checked/treated in the field?	Yes ☐	No ☐	NA ☑	

Any No responses must be detailed below or on the COC.

pH strip #96651. - lhenson - 10/14/2024 4:19:45 PM

Additional nitric acid (99964) was needed in PZ-170 and MW-384 upon arrival at the laboratory. - lhenson - 10/14/2024 4:19:47 PM

Samples were received on 10/15/24 at 14:48 PM on ice 8.1C LTG #5. pH strip 99651. Additional nitric acid (99964) was needed in MW-369, MW-393, and MW-394 upon arrival at the laboratory. - lhenson - 10/16/2024 9:23:49 AM

Samples were received on 10/16/24 at 1615 on ice [7.3C - LTG#5]. Additional Nitric Acid (99964) was needed upon arrival at the laboratory for MW304 and MW304 Dup. pH strip #96651. - amberdilallo - 10/17/2024 8:40:46 AM

Samples were received on 10/17/24 at 15.12 on ice 9.9C - LTG#10. - lhenson - 10/18/2024 9:22:21 AM

Samples were received on 11/1/24 at 1324 on ice [1.3C - LTG#5]. Additional Nitric Acid (99964) was needed upon arrival at the laboratory for MW358R. pH strip #96651. Date changes per Brett Gillihan. - JD/amberdilallo - 11/1/2024 11:52:44 AM

24100002

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 4

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Baldwin	Report To:	Brian Voelker	Attention:	Brian Voelker
Address:	10901 Baldwin Road	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Baldwin, IL 62217		Kim Edmiaston Kimberly.Edmiaston@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:		Profile #:	

REGULATORY AGENCY: NPDES | GROUND WATER | DRINKING WATER | UST | RCRA | OTHER

Site Location STATE: IL

Section D Required Client Information

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

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

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-NE-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Radium 226/228, only: Project No./ Lab I.D.
1	MW-104DR	WT	G				0															X		N/A
2	MW-104SR	WT	G				0															X		N/A
3	MW-150	WT	G				2			2								X		X		X		24100002-001
4	MW-151	WT	G				2			2								X		X		X		24100002-002
5	MW-152	WT	G				2			2								X		X		X		24100002-003
6	MW-153	WT	G				2			2								X		X		X		24100002-004
7	MW-154	WT	G	10-14-24	DRY		0															X		N/A
8	MW-155	WT	G	10-14-24	1032		0															X		N/A
9	MW-192	WT	G				2			2							X		X					24100002-005
10	MW-193	WT	G				2			2							X		X					24100002-006
11	MW-195	WT	G				2			2											X			24100002-007
12	MW-196	WT	G				2			2											X			24100002-008
13	MW-197	WT	G				2			2											X			24100002-009
14	MW-198	WT	G				2			2											X			24100002-010
15	MW-252	WT	G				2			2								X		X		X		24100002-011
16	MW-253R	WT	G				2			2								X		X		X		24100002-012

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)
BAL-24Q4 Rev 1	J. Cob	10/14	1540		10/14	1540				
MW-195 : collect but hold all analyses pending instruction from Ramboll							12.1	Y		

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Cob

SIGNATURE of SAMPLER: Justin Cob — DATE Signed (MM/DD/YY): 10-14-24

added HNO_3 (9964) to PZ170 and MW354 LTG
PAV 96657 LH 10/14/24

24100002

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-Baldwin
Address:	10901 Baldwin Road
	Baldwin, IL 62217
Email To:	Brian.Voelker@VistraCorp.com
Phone: (217) 753-8911	Fax:
Requested Due Date/TAT:	10 day

Section B Required Project Information:

Report To:	Brian Voelker
Copy To:	Sam Davies: samantha.davies@vistracorp.com
	Kim Edmiaston Kimberly.Edmiaston@vistracorp.com
Purchase Order No.:	
Project Name:	
Project Number:	

Section C Invoice Information:

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

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

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

Valid Matrix Codes

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

Requested Analysis Filtered (Y/N)

Radium 226/228, only

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	BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-NE-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-304	WT	G				2			2							X	X	X	X	X	X		24100002-013
2	MW-350R	WT	G				2			2								X		X		X		24100002-014
3	MW-352	WT	G				2			2								X		X		X		24100002-015
4	MW-355	WT	G				0															X		N/A
5	MW-356	WT	G				2			2							X		X					24100002-016
6	MW-358R	WT	G				2			2							X	X	X	X	X			24100002-017
7	MW-366	WT	G				2			2								X		X				24100002-018
8	MW-369	WT	G				2			2							X		X					24100002-019
9	MW-370	WT	G				2			2							X		X					24100002-020
10	MW-375	WT	G				2			2								X		X				24100002-021
11	MW-377	WT	G				2			2								X		X				24100002-022
12	MW-382	WT	G	~~10-14-24~~	~~1416~~ TF		2			2							X		X					24100002-023
13	MW-383	WT	G	10-14-24	1341		2			2								X		X				24100002-024
14	MW-384	WT	G	10-14-24	1416 ⊙		2			2								X		X				24100002-025
15	MW-390	WT	G				2			2								X		X				24100002-026
16	MW-391R	WT	G				2			2								X		X				24100002-027

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)
BAL-24Q4 Rev 1	J. Colp	10/14	1540		10/14	1540				
							12.1	Y		

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 10-14-24

per Justin.Colp@vistracorp.com 10/14/24

24100002

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 3 of 4

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Baldwin	Report To:	Brian Voelker	Attention:	Brian Voelker
Address:	10901 Baldwin Road	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Baldwin, IL 62217		Kim Edmiaston Kimberly.Edmiaston@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:		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	BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-NE-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Radium 226/228, only: Project No./ Lab I.D.
1	MW-392	WT	G				2			2							X		X					24100002-028
2	MW-393	WT	G				2			2							X		X					24100002-029
3	MW-394	WT	G				2			2							X		X					24100002-030
4	OW-156	WT	G				0															X		N/A
5	OW-157	WT	G				0															X		N/A
6	OW-256	WT	G				2			2							X		X					24100002-031
7	OW-257	WT	G	10-14-24	1306		2			2							X		X					24100002-032
8	PZ-170	WT	G	10-14-24	1144		2			2							X		X					24100002-033
9	PZ-174	WT	G				2			2											X			24100002-034
10	PZ-176	WT	G				2			2											X			24100002-035
11	PZ-178	WT	G				2			2											X			24100002-036
12	PZ-182	WT	G				2			2							X		X					24100002-037
13	TPZ-164	WT	G				0										X		X					N/A
14	XPW01	WT	G				0										X		X					N/A
15	XPW05	WT	G				0										X		X					N/A
16	XPW06	WT	G				0										X		X					N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
BAL-24Q4 Rev 1	J Colp	10-14	1540		10/14	1540	

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Justin Colp				
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY):	10-14-24	Temp in °C	Received on Ice (Y/N)

SAMPLE CONDITIONS	Y	N	
Custody Sealed Cooler (Y/N)			
Samples Intact (Y/N)			

24100002

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 4

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Baldwin	Report To:	Brian Voelker	Attention:	Brian Voelker
Address:	10901 Baldwin Road	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Baldwin, IL 62217		Kim Edmiaston Kimberly.Edmiaston@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:		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	BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-NE-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Radium 226/228, only: Project No./ Lab I.D.
1	MW-104DR	WT	G				0															X		N/A
2	MW-104SR	WT	G				0															X		N/A
3	MW-150	WT	G	10-15-24	1228		2			2								X		X		X		24100002-001
4	MW-151	WT	G				2			2								X		X		X		24100002-002
5	MW-152	WT	G				2			2								X		X		X		24100002-003
6	MW-153	WT	G				2			2								X		X		X		24100002-004
7	MW-154	WT	G				0															X		N/A
8	MW-155	WT	G				0															X		N/A
9	MW-192	WT	G	10-15-24	1058		2			2							X		X					24100002-005
10	MW-193	WT	G	10-15-24	0954		2			2							X		X					24100002-006
11	MW-195	WT	G				2			2											X			24100002-007
12	MW-196	WT	G				2			2											X			24100002-008
13	MW-197	WT	G				2			2											X			24100002-009
14	MW-198	WT	G				2			2											X			24100002-010
15	MW-252	WT	G				2			2								X		X		X		24100002-011
16	MW-253R	WT	G				2			2								X		X		X		24100002-012

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)
BAL-24Q4 Rev 1	J. Colp	10-15	1648	[illegible]	10/15/24	1648	8.1	Y	N	
MW-195 : collect but hold all analyses pending instruction from Ramboll							#5			

SAMPLER NAME AND SIGNATURE		
PRINT Name of SAMPLER:	Justin Colp	
SIGNATURE of SAMPLER:	[signature]	DATE Signed (MM/DD/YY): 10-15-24

PHN 96651
added ~~HWD3~~(99964)
to MW304, MW393, MW394)
LH 10/16/24

24100002 [illegible]301

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 2 of 4

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Baldwin	Report To: Brian Voelker	Attention: Brian Voelker
Address: 10901 Baldwin Road	Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp
Baldwin, IL 62217	Kim Edmiaston Kimberly.Edmiaston@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number:	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: BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-NE-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Radium 226/228, only: Project No./ Lab I.D.
1	MW-304	WT	G				2			2							X	X	X	X	X	X		24100002-013
2	MW-350R	WT	G	10-15-24	1252		2			2								X		X		X		24100002-014
3	MW-352	WT	G				2			2								X		X		X		24100002-015
4	MW-355	WT	G				0															X		N/A
5	MW-356	WT	G				2			2							X		X					24100002-016
6	MW-358R	WT	G				2			2							X	X	X	X	X			24100002-017
7	MW-366	WT	G	10-15-24	1204		2			2								X		X				24100002-018
8	MW-369	WT	G	10-15-24	1125		2			2							X		X					24100002-019
9	MW-370	WT	G	10-15-24	1356		2			2							X		X					24100002-020
10	MW-375	WT	G				2			2								X		X				24100002-021
11	MW-377	WT	G				2			2								X		X				24100002-022
12	MW-382	WT	G	10-15-24	1332		2			2							X		X					24100002-023
13	MW-383	WT	G				2			2								X		X				24100002-024
14	MW-384	WT	G				2			2								X		X				24100002-025
15	MW-390	WT	G	10-15-24	1146		2			2								X		X				24100002-026
16	MW-391R	WT	G				2			2								X		X				24100002-027

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
BAL-24Q4 Rev 1	J. Colp	10-15	1648	Amber Dieaves	10/15/24	1648				
							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): 10-15-24

24100002

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-Baldwin	Report To: Brian Voelker	Attention: Brian Voelker
Address: 10901 Baldwin Road	Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp
Baldwin, IL 62217	Kim Edmiaston Kimberly.Edmiaston@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number:	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

ITEM #	Section D Required Client Information — SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-NE-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Radium 226/228, only: Project No./ Lab I.D.
1	MW-392	WT	G	10-15-24	1038		2			2							X		X					24100002-028
2	MW-393	WT	G	10-15-24	1014		2			2							X		X					24100002-029
3	MW-394	WT	G	10-15-24	0929		2			2							X		X					24100002-030
4	OW-156	WT	G				0															X		N/A
5	OW-157	WT	G				0															X		N/A
6	OW-256	WT	G	10-15-24	1140		2			2							X		X					24100002-031
7	OW-257	WT	G				2			2							X		X					24100002-032
8	PZ-170	WT	G				2			2							X		X					24100002-033
9	PZ-174	WT	G	10-15-24	1240		2			2											X			24100002-034
10	PZ-176	WT	G	10-15-24	1334		2			2											X			24100002-035
11	PZ-178	WT	G	10-15-24	1431		2			2											X			24100002-036
12	PZ-182	WT	G	10-15-24	1038		2			2							X		X					24100002-037
13	TPZ-164	WT	G				0										X		X					N/A
14	XPW01	WT	G				0										X		X					N/A
15	XPW05	WT	G				0										X		X					N/A
16	XPW06	WT	G				0										X		X					N/A

Valid Matrix Codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TB

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
BAL-24Q4 Rev 1	J. Culp	10-15	1648	Unda DeCarlo	10/15/24	1648	Y / N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: JUSTIN CULP

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 10-15-24

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

24100002

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 4 of 4

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Baldwin	Report To: Brian Voelker	Attention: Brian Voelker
Address: 10901 Baldwin Road	Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp
Baldwin, IL 62217	Kim Edmiaston Kimberly.Edmiaston@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number:	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: BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-NE-605	BAL-WPCP-605	Radium 226/228, only: Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	Field Blank	WT	G				2			2							X	X	X	X	X	X		24100002-038
2	MW-304 Duplicate	WT	G				2			2							X	X	X	X	X	X		24100002-039
3	PZ-178 Duplicate	WT	G	10-15-24	1431		2			2											X			24100002-040
4	Equipment Blank 1	WT	G				2			2							X	X	X	X	X	X		24100002-041
5	Equipment Blank 2	WT	G				2			2							X	X	X	X	X	X		24100002-042
6	Equipment Blank 3	WT	G				2			2							X	X	X	X	X	X		24100002-043
7																								
8																								
9																								
10																								
11																								
12																								
13																								
14																								
15																								
16																								

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
BAL-24Q4 Rev 1	J. Colp	10-15	1648	Union Oil Co	10/15/24	1648	

SAMPLER NAME AND SIGNATURE			Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Justin Colp			Y	N	
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY): 10-15-24				

24100002

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 4

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Baldwin	Report To: Brian Voelker	Attention: Brian Voelker
Address: 10901 Baldwin Road	Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp
Baldwin, IL 62217	Kim Edmiaston Kimberly.Edmiaston@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number:	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)

Radium 226/228, only

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	BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-NE-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-104DR	WT	G	10-16-24	1029		0															X		N/A
2	MW-104SR	WT	G	10-16-24	1104		0															X		N/A
3	MW-150	WT	G				2			2								X		X		X		24100002-001
4	MW-151	WT	G	10.16.24	1020		2			2								X		X		X		24100002-002
5	MW-152	WT	G	10.16.24	1231		2			2								X		X		X		24100002-003
6	MW-153	WT	G	10-16-24	1147		2			2								X		X		X		24100002-004
7	MW-154	WT	G				0															X		N/A
8	MW-155	WT	G				0															X		N/A
9	MW-192	WT	G				2			2							X		X					24100002-005
10	MW-193	WT	G				2			2							X		X					24100002-006
11	MW-195	WT	G				2			2											X			24100002-007
12	MW-196	WT	G				2			2											X			24100002-008
13	MW-197	WT	G				2			2											X			24100002-009
14	MW-198	WT	G				2			2											X			24100002-010
15	MW-252	WT	G	10.16.24	1151		2			2								X		X		X		24100002-011
16	MW-253R	WT	G	10-16-24	1215		2			2								X		X		X		24100002-012

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
BAL-24Q4 Rev 1	J. Calp	10-16	1615		10/16	1615	7 ⊙ N
MW-195 : collect but hold all analyses pending instruction from Ramboll							

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 Calp					
SIGNATURE of SAMPLER:	Justin Calp	DATE Signed (MM/DD/YY): 10-16-24				

PW 96651
added HW03(99564)
to MW304 and MW304 DUP
LH 10/17/24

24100002

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-Baldwin
Address:	10901 Baldwin Road
	Baldwin, IL 62217
Email To:	Brian.Voelker@VistraCorp.com
Phone: (217) 753-8911	Fax:
Requested Due Date/TAT:	10 day

Section B Required Project Information:

Report To:	Brian Voelker
Copy To:	Sam Davies: samantha.davies@vistracorp.com
	Kim Edmiaston Kimberly.Edmiaston@vistracorp.com
Purchase Order No.:	
Project Name:	
Project Number:	

Section C Invoice Information:

Attention:	Brian Voelker
Company Name:	Vistra Corp
Address:	see Section A
Quote Reference:	
Project Manager:	
Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-NE-605	BAL-WPCP-605						Residual Chlorine (Y/N)	Radium 226/228, only: Project No./ Lab I.D.
1	MW-304	WT	G	10-16-24	0933		2			2							X	X	X	X	X	X							24100002-013
2	MW-350R	WT	G				2			2								X		X		X							24100002-014
3	MW-352	WT	G	10.16.24	1118		2			2								X		X		X							24100002-015
4	MW-355	WT	G	10-16-24	1428		0															X							N/A
5	MW-356	WT	G	10.16.24	1426		2			2							X		X										24100002-016
6	MW-358R	WT	G				2			2							X	X	X	X	X								24100002-017
7	MW-366	WT	G				2			2								X		X									24100002-018
8	MW-369	WT	G				2			2							X		X										24100002-019
9	MW-370	WT	G				2			2							X		X										24100002-020
10	MW-375	WT	G	10-16-24	1304		2			2								X		X									24100002-021
11	MW-377	WT	G	10-16-24	1339		2			2								X		X									24100002-022
12	MW-382	WT	G				2			2							X		X										24100002-023
13	MW-383	WT	G				2			2								X		X									24100002-024
14	MW-384	WT	G				2			2								X		X									24100002-025
15	MW-390	WT	G				2			2								X		X									24100002-026
16	MW-391R	WT	G				2			2								X		X									24100002-027

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
BAL-24Q4 Rev 1	J. Colp	10-16	1615		10/16	1615	

SAMPLER NAME AND SIGNATURE						
PRINT Name of SAMPLER:	Justin Colp					
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY):	10-16-24	Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

24100002

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 3 of 4

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Baldwin	Report To: Brian Voelker	Attention: Brian Voelker
Address: 10901 Baldwin Road	Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp
Baldwin, IL 62217	Kim Edmiaston Kimberly.Edmiaston@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number:	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: BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-NE-605	BAL-WPCP-605							Residual Chlorine (Y/N)	Radium 226/228, only: Project No./ Lab I.D.
1	MW-392	WT	G				2			2							X		X											24100002-028
2	MW-393	WT	G				2			2							X		X											24100002-029
3	MW-394	WT	G				2			2							X		X											24100002-030
4	OW-156	WT	G	10-16-24	1435		0															X								N/A
5	OW-157	WT	G				0															X								N/A
6	OW-256	WT	G				2			2							X		X											24100002-031
7	OW-257	WT	G				2			2							X		X											24100002-032
8	PZ-170	WT	G				2			2							X		X											24100002-033
9	PZ-174	WT	G				2			2											X									24100002-034
10	PZ-176	WT	G				2			2											X									24100002-035
11	PZ-178	WT	G				2			2											X									24100002-036
12	PZ-182	WT	G				2			2							X		X											24100002-037
13	TPZ-164	WT	G				0										X		X											N/A
14	XPW01	WT	G				0										X		X											N/A
15	XPW05	WT	G				0										X		X											N/A
16	XPW06	WT	G				0										X		X											N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
BAL-24Q4 Rev 1	J. Colp	10-16	1615		10/16	1615	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:		DATE Signed (MM/DD/YY): 10-16-24				

24100002

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 4 of 4

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Baldwin	Report To: Brian Voelker	Attention: Brian Voelker
Address: 10901 Baldwin Road	Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp
Baldwin, IL 62217	Kim Edmiaston Kimberly.Edmiaston@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number:	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	BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-NE-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Radium 226/228, only Project No./ Lab I.D.
1	Field Blank	WT	G				2			2							X	X	X	X	X	X		24100002-038
2	MW-304 Duplicate	WT	G	10-16-24	0933		2			2							X	X	X	X	X	X		24100002-039
3	PZ-178 Duplicate	WT	G				2			2											X			24100002-040
4	Equipment Blank 1	WT	G				2			2							X	X	X	X	X	X		24100002-041
5	Equipment Blank 2	WT	G				2			2							X	X	X	X	X	X		24100002-042
6	Equipment Blank 3	WT	G				2			2							X	X	X	X	X	X		24100002-043
7																								
8																								
9																								
10																								
11																								
12																								
13																								
14																								
15																								
16																								

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
BAL-24Q4 Rev 1	J. Colp	10-16	1615		10/16	1615				
							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 10-16-24

24100002

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 4

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Baldwin	Report To:	Brian Voelker	Attention:	Brian Voelker
Address:	10901 Baldwin Road	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Baldwin, IL 62217		Kim Edmiaston Kimberly.Edmiaston@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:		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)

Radium 226/228, only

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	BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-NE-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-104DR	WT	G				0															X		N/A
2	MW-104SR	WT	G				0															X		N/A
3	MW-150	WT	G				2			2								X		X		X		24100002-001
4	MW-151	WT	G				2			2								X		X		X		24100002-002
5	MW-152	WT	G				2			2								X		X		X		24100002-003
6	MW-153	WT	G				2			2								X		X		X		24100002-004
7	MW-154	WT	G				0															X		N/A
8	MW-155	WT	G				0															X		N/A
9	MW-192	WT	G				2			2							X		X					24100002-005
10	MW-193	WT	G				2			2							X		X					24100002-006
11	MW-195	WT	G	10-17-24	1318		2			2											X			24100002-007
12	MW-196	WT	G	↓	1134		2			2											X			24100002-008
13	MW-197	WT	G		1255		2			2											X			24100002-009
14	MW-198 10/8/24	WT	G				2			2											X			24100002-010
15	MW-252 BG1/ERH	WT	G				2			2								X		X		X		24100002-011
16	MW-253R DTG	WT	G	10-17-24			2			2								X		X		X		24100002-012

PH 9.6 9.51
NR 10/17/24

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
BAL-24Q4 Rev 1 MW-195 : collect but hold all analyses pending instruction from Ramboll	Justin Carroll	10/17/24	1512	Andy Reed	10/17/24	1512

SAMPLE CONDITIONS

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
9.1	Y	N	
LTA 10			

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Carroll

SIGNATURE of SAMPLER: Justin Carroll DATE Signed (MM/DD/YY): 10-17-24

24100002 (3) 335-601

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-Baldwin
Address:	10901 Baldwin Road
	Baldwin, IL 62217
Email To:	Brian.Voelker@VistraCorp.com
Phone: (217) 753-8911	Fax:
Requested Due Date/TAT:	10 day

Section B Required Project Information:

Report To:	Brian Voelker
Copy To:	Sam Davies: samantha.davies@vistracorp.com
	Kim Edmiaston Kimberly.Edmiaston@vistracorp.com
Purchase Order No.:	
Project Name:	
Project Number:	

Section C Invoice Information:

Attention:	Brian Voelker
Company Name:	Vistra Corp
Address:	see Section A
Quote Reference:	
Project Manager:	
Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-NE-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Radium 226/228, only: Project No./ Lab I.D.
1	MW-392	WT	G				2			2							X		X					24100002-028
2	MW-393	WT	G				2			2							X		X					24100002-029
3	MW-394	WT	G				2			2							X		X					24100002-030
4	OW-156	WT	G				0															X		N/A
5	OW-157	WT	G	10-17-24	1302		0															X		N/A
6	OW-256	WT	G				2			2							X		X					24100002-031
7	OW-257	WT	G				2			2							X		X					24100002-032
8	PZ-170	WT	G				2			2							X		X					24100002-033
9	PZ-174	WT	G				2			2											X			24100002-034
10	PZ-176	WT	G				2			2											X			24100002-035
11	PZ-178	WT	G				2			2											X			24100002-036
12	PZ-182	WT	G				2			2							X		X					24100002-037
13	TPZ-164	WT	G	10-17-24	1217		0										X		X					N/A
14	XPW01	WT	G		1054		0										X		X					N/A
15	XPW05	WT	G		1131		0										X		X					N/A
16	XPW06	WT	G		1018		0										X		X					N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
BAL-24Q4 Rev 1	Jerry Cassell	10/17/24	1512	Heidi Reed	10/17/24	1512	Temp in °C			
							Received on Ice (Y/N)			
							Custody Sealed Cooler (Y/N)			
							Samples Intact (Y/N)			

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: JUSTIN Cole

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 10-17-24

24100002

BAL-257-601

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-Baldwin	Report To:	Brian Voelker	Attention:	Brian Voelker
Address:	10901 Baldwin Road	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Baldwin, IL 62217		Kim Edmiaston Kimberly.Edmiaston@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:		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	BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-NE-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Radium 226/228, only: Project No./ Lab I.D.
1	Field Blank	WT	G	10-17-24	1308		2			2							X	X	X	X	X	X		24100002-038
2	MW-304 Duplicate	WT	G				2			2							X	X	X	X	X	X		24100002-039
3	PZ-178 Duplicate	WT	G				2			2											X			24100002-040
4	Equipment Blank 1	WT	G	10-17-24	1331		2			2							X	X	X	X	X	X		24100002-041
5	Equipment Blank 2	WT	G				2			2							X	X	X	X	X	X		24100002-042
6	Equipment Blank 3	WT	G				2			2							X	X	X	X	X	X		24100002-043
7																								
8																								
9																								
10																								
11																								
12																								
13																								
14																								
15																								
16																								

Requested Analysis Filtered (Y/N)

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
BAL-24Q4 Rev 1	Jim Loos-OH	10/17/24	1512		10/17/24	1512				

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:	[illegible]					
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY): 10-17-24				

CHAIN-OF-CUSTODY / Analytical Request Document

24100002

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 4

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Baldwin	Report To:	Brian Voelker	Attention:	Brian Voelker
Address:	10901 Baldwin Road	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Baldwin, IL 62217		Kim Edmiaston Kimberly.Edmiaston@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:		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	BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-NE-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Radium 226/228, only: Project No./ Lab I.D.
1	MW-104DR	WT	G				0															X		N/A
2	MW-104SR	WT	G				0															X		N/A
3	MW-150	WT	G				2			2								X		X		X		24100002-001
4	MW-151	WT	G				2			2								X		X		X		24100002-002
5	MW-152	WT	G				2			2								X		X		X		24100002-003
6	MW-153	WT	G				2			2								X		X		X		24100002-004
7	MW-154	WT	G	11-1-24	Dry		0															X		N/A
8	MW-155	WT	G				0															X		N/A
9	MW-192	WT	G				2			2							X		X					24100002-005
10	MW-193	WT	G				2			2							X		X					24100002-006
11	MW-195	WT	G				2			2											X			24100002-007
12	MW-196	WT	G				2			2											X			24100002-008
13	MW-197	WT	G				2			2											X			24100002-009
14	MW-198	WT	G	11-1-24	1042 AD		2			2											X			24100002-010
15	MW-252	WT	G		TB Dm		2			2								X		X		X		24100002-011
16	MW-253R	WT	G	~~11-1-24~~	~~1042~~		2			2								X		X		X		24100002-012

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
BAL-24Q4 Rev 1		11-1	1324	Jackie Davies	11/1/24	13:24
MW-195 : collect but hold all analyses pending instruction from Ramboll						

SAMPLE CONDITIONS			
Temp in °C: 1.3, 5	Received on Ice (Y/N): Y	Custody Sealed Cooler (Y/N): N	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY):

Added HNO_3 (99964)
to Sample MW 358R

H96651 JP 11/1/24 *per Brett Gillihan. Dm 11/1/24

CHAIN-OF-CUSTODY / Analytical Request Document

24100002

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 2 of 4

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Baldwin	Report To:	Brian Voelker	Attention:	Brian Voelker
Address:	10901 Baldwin Road	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Baldwin, IL 62217		Kim Edmiaston Kimberly.Edmiaston@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:		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	BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-NE-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Radium 226/228, only: Project No./ Lab I.D.
1	MW-304	WT	G				2			2							X	X	X	X	X	X		24100002-013
2	MW-350R	WT	G				2			2								X		X		X		24100002-014
3	MW-352	WT	G				2			2								X		X		X		24100002-015
4	MW-355	WT	G				0															X		N/A
5	MW-356	WT	G	TE Conn			2			2							X		X					24100002-016
6	MW-358R	WT	G	~~11-1-24~~	1128		2			2							X	X	X	X	X			24100002-017
7	MW-366	WT	G	11-1-24			2			2								X		X				24100002-018
8	MW-369	WT	G				2			2							X		X					24100002-019
9	MW-370	WT	G				2			2							X		X					24100002-020
10	MW-375	WT	G				2			2								X		X				24100002-021
11	MW-377	WT	G				2			2								X		X				24100002-022
12	MW-382	WT	G				2			2							X		X					24100002-023
13	MW-383	WT	G				2			2								X		X				24100002-024
14	MW-384	WT	G				2			2								X		X				24100002-025
15	MW-390	WT	G				2			2								X		X				24100002-026
16	MW-391R	WT	G				2			2								X		X				24100002-027

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
BAL-24Q4 Rev 1		11-1	1334	Jackie Dennis	11/1/24	13:34				

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:					
SIGNATURE of SAMPLER:	DATE Signed (MM/DD/YY):				

CHAIN-OF-CUSTODY / Analytical Request Document

24100002

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 3 of 4

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Baldwin	Report To:	Brian Voelker	Attention:	Brian Voelker
Address:	10901 Baldwin Road	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Baldwin, IL 62217		Kim Edmiaston Kimberly.Edmiaston@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:		Profile #:	

REGULATORY AGENCY

NPDES | **GROUND WATER** | DRINKING WATER

UST | RCRA | OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-NE-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Radium 226/228, only Project No./ Lab I.D.
1	MW-392	WT	G				2			2							X		X					24100002-028
2	MW-393	WT	G				2			2							X		X					24100002-029
3	MW-394	WT	G				2			2							X		X					24100002-030
4	OW-156	WT	G				0															X		N/A
5	OW-157	WT	G				0															X		N/A
6	OW-256	WT	G				2			2							X		X					24100002-031
7	OW-257	WT	G				2			2							X		X					24100002-032
8	PZ-170	WT	G				2			2							X		X					24100002-033
9	PZ-174	WT	G				2			2											X			24100002-034
10	PZ-176	WT	G				2			2											X			24100002-035
11	PZ-178	WT	G				2			2											X			24100002-036
12	PZ-182	WT	G				2			2							X		X					24100002-037
13	TPZ-164	WT	G				0										X		X					N/A
14	XPW01	WT	G				0										X		X					N/A
15	XPW05	WT	G				0										X		X					N/A
16	XPW06	WT	G				0										X		X					N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
BAL-24Q4 Rev 1		11-1	1324		11/1/24	13:24	

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:					
SIGNATURE of SAMPLER:	DATE Signed (MM/DD/YY):				

CHAIN-OF-CUSTODY / Analytical Request Document

24100002

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 4 of 4

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Baldwin	Report To: Brian Voelker	Attention: Brian Voelker
Address: 10901 Baldwin Road	Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp
Baldwin, IL 62217	Kim Edmiaston Kimberly.Edmiaston@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number:	Profile #:

REGULATORY AGENCY

NPDES | GROUND WATER | DRINKING WATER
UST | RCRA | OTHER

Site Location STATE: IL

Requested Analysis Filtered (Y/N)

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	BAL-257-601	BAL-257-605	BAL-846-601	BAL-845-605	BAL-NE-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Radium 226/228, only: Project No./ Lab I.D.
1	Field Blank	WT	G				2			2							X	X	X	X	X	X		24100002-038
2	MW-304 Duplicate	WT	G				2			2							X	X	X	X	X	X		24100002-039
3	PZ-178 Duplicate	WT	G				2			2											X			24100002-040
4	Equipment Blank 1	WT	G				2			2							X	X	X	X	X	X		24100002-041
5	Equipment Blank 2	WT	G				2			2							X	X	X	X	X	X		24100002-042
6	Equipment Blank 3	WT	G				2			2							X	X	X	X	X	X		24100002-043
7																								
8																								
9																								
10																								
11																								
12																								
13																								
14																								
15																								
16																								

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
BAL-24Q4 Rev 1		11-1	1324	Jacki Davis	11/1/24	13:24		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):				

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Elizabeth A Hurley
TekLab, Inc
5445 Horseshoe Lake Road
Collinsville, Illinois 62234

Generated 12/4/2024 6:24:48 PM

JOB DESCRIPTION

Radium-226 and Radium-228
24100002

JOB NUMBER

160-55882-1

Eurofins St. Louis
13715 Rider Trail North
Earth City MO 63045

See page two for job notes and contact information.

myEOL

Eurofins St. Louis

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins TestAmerica Project Manager.

Authorization

Generated
12/4/2024 6:24:48 PM

Authorized for release by
Erika Smith, Project Manager
erika.smith@et.eurofinsus.com
(314)298-8566

Table of Contents

Cover Page 1
Table of Contents 3
Case Narrative 4
Chain of Custody 6
Receipt Checklists 15
Definitions/Glossary 16
Method Summary 17
Sample Summary 18
Client Sample Results 19
QC Sample Results 39
QC Association Summary 45
Tracer Carrier Summary 48

CASE NARRATIVE

Client: TekLab, Inc

Project: 24100002

Report Number: 160-55882-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition, all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method.

Eurofins Environment Testing attests to the validity of the laboratory data generated by Eurofins facilities reported herein. All analyses performed by Eurofins Environment Testing facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. Eurofins Environment Testing's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

Calculations are performed before rounding to avoid round-off errors in calculated results.

Proper preservation was noted for the methods performed on these samples, unless otherwise detailed below.

All soil/sediment sample results for radiochemistry analyses are based upon sample as dried and disaggregated with the exception of tritium, carbon-14, and iodine-129 by gamma spectroscopy unless requested as wet weight by the client.

Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative.

Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date.

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.

This laboratory report is confidential and is intended for the sole use of Eurofins TestAmerica and its client.

No additional analytical or quality issues were noted, other than those described below or in the Definitions/ Glossary page.

Receipt
The samples were received on 10/18/2024 1:55 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved. The temperatures of the 5 coolers at receipt time were 18.2°C, 18.2°C, 19.3°C, 19.5°C and 20.7°C.

The client requested sample -007 be placed on hold.

Client dropped off samples -010 and -017 on 11/4/2024, to be added to existing job 160-55882. The incorrect chain-of-custody (COC) was dropped off with the samples. The client emailed the updated COC with the correct sample ID's. The original COC dropped with the samples will be included with the final report for relinquished/receipt signature documenation. Additionally, it was determined that sample -022 was inadvertently placed on hold in error. The sample was taken off hold and will be analyzed with samples -010 and -017, with the turn-around-time starting over from 11/4/2024. The email is included with the final report for documenation and reference.

Method 903.0 - Radium-226 (GFPC)
Samples 24100002-001 (160-55882-1), 24100002-002 (160-55882-2), 24100002-003 (160-55882-3), 24100002-004 (160-55882-4), 24100002-005 (160-55882-5), 24100002-006 (160-55882-6), 24100002-008 (160-55882-8), 24100002-009 (160-55882-9), 24100002-011 (160-55882-10), 24100002-012 (160-55882-11), 24100002-013 (160-55882-12), 24100002-014 (160-55882-13), 24100002-015 (160-55882-14), 24100002-016 (160-55882-15), 24100002-018 (160-55882-16), 24100002-019

(160-55882-17), 24100002-020 (160-55882-18), 24100002-021 (160-55882-19), 24100002-022 (160-55882-20), 24100002-023 (160-55882-21), 24100002-024 (160-55882-22), 24100002-025 (160-55882-23), 24100002-026 (160-55882-24), 24100002-028 (160-55882-25), 24100002-029 (160-55882-26), 24100002-030 (160-55882-27), 24100002-031 (160-55882-28), 24100002-032 (160-55882-29), 24100002-033 (160-55882-30), 24100002-034 (160-55882-31), 24100002-035 (160-55882-32), 24100002-036 (160-55882-33), 24100002-037 (160-55882-34), 24100002-038 (160-55882-35), 24100002-039 (160-55882-36), 24100002-040 (160-55882-37), 24100002-041 (160-55882-38), 24100002-010 (160-55882-39) and 24100002-017 (160-55882-40) were analyzed for Radium-226 (GFPC). The samples were prepared on 10/22/2024 and 11/5/2024 and analyzed on 11/13/2024, 11/14/2024, 11/20/2024, 11/24/2024 and 11/27/2024.

Method 904.0 - Radium-228 (GFPC)
Samples 24100002-001 (160-55882-1), 24100002-002 (160-55882-2), 24100002-003 (160-55882-3), 24100002-004 (160-55882-4), 24100002-005 (160-55882-5), 24100002-006 (160-55882-6), 24100002-008 (160-55882-8), 24100002-009 (160-55882-9), 24100002-011 (160-55882-10), 24100002-012 (160-55882-11), 24100002-013 (160-55882-12), 24100002-014 (160-55882-13), 24100002-015 (160-55882-14), 24100002-016 (160-55882-15), 24100002-018 (160-55882-16), 24100002-019 (160-55882-17), 24100002-020 (160-55882-18), 24100002-021 (160-55882-19), 24100002-022 (160-55882-20), 24100002-023 (160-55882-21), 24100002-024 (160-55882-22), 24100002-025 (160-55882-23), 24100002-026 (160-55882-24), 24100002-028 (160-55882-25), 24100002-029 (160-55882-26), 24100002-030 (160-55882-27), 24100002-031 (160-55882-28), 24100002-032 (160-55882-29), 24100002-033 (160-55882-30), 24100002-034 (160-55882-31), 24100002-035 (160-55882-32), 24100002-036 (160-55882-33), 24100002-037 (160-55882-34), 24100002-038 (160-55882-35), 24100002-039 (160-55882-36), 24100002-040 (160-55882-37), 24100002-041 (160-55882-38), 24100002-010 (160-55882-39) and 24100002-017 (160-55882-40) were analyzed for Radium-228 (GFPC). The samples were prepared on 10/22/2024 and 11/5/2024 and analyzed on 11/6/2024, 11/7/2024, 11/8/2024 and 11/21/2024.

Batch 160-684534:
The detection goal was not met for the following samples due to the reduced sample volume used in prep attributed to the presence of matrix interferences: 24100002-003 (160-55882-3), 24100002-004 (160-55882-4), 24100002-008 (160-55882-8) and 24100002-009 (160-55882-9). Analytical results are reported with the detection limit achieved.

Batch 160-684538:
The detection goal was not met for the following sample due to the reduced sample volume used in prep attributed to the presence of matrix interferences: 24100002-023 (160-55882-21). Analytical results are reported with the detection limit achieved.

The detection goal was not met for the following samples. The samples and batch QC were prepped at full volume. Matrix interferences are suspected because the method blank achieved the detection goal demonstrating acceptable sample preparation and instrument performance: 24100002-029 (160-55882-26), 24100002-031 (160-55882-28), 24100002-032 (160-55882-29), 24100002-033 (160-55882-30) and 24100002-035 (160-55882-32). Analytical results are reported with the detection limit achieved.

Batch 160-686862:
The detection goal was not met for the following sample due to a reduced sample volume used in prep attributed to the presence of matrix interferences. 24100002-017 (160-55882-40)

Method Ra226_Ra228 Pos - Combined Radium-226 and Radium-228
Samples 24100002-001 (160-55882-1), 24100002-002 (160-55882-2), 24100002-003 (160-55882-3), 24100002-004 (160-55882-4), 24100002-005 (160-55882-5), 24100002-006 (160-55882-6), 24100002-008 (160-55882-8), 24100002-009 (160-55882-9), 24100002-011 (160-55882-10), 24100002-012 (160-55882-11), 24100002-013 (160-55882-12), 24100002-014 (160-55882-13), 24100002-015 (160-55882-14), 24100002-016 (160-55882-15), 24100002-018 (160-55882-16), 24100002-019 (160-55882-17), 24100002-020 (160-55882-18), 24100002-021 (160-55882-19), 24100002-022 (160-55882-20), 24100002-023 (160-55882-21), 24100002-024 (160-55882-22), 24100002-025 (160-55882-23), 24100002-026 (160-55882-24), 24100002-028 (160-55882-25), 24100002-029 (160-55882-26), 24100002-030 (160-55882-27), 24100002-031 (160-55882-28), 24100002-032 (160-55882-29), 24100002-033 (160-55882-30), 24100002-034 (160-55882-31), 24100002-035 (160-55882-32), 24100002-036 (160-55882-33), 24100002-037 (160-55882-34), 24100002-038 (160-55882-35), 24100002-039 (160-55882-36), 24100002-040 (160-55882-37), 24100002-041 (160-55882-38), 24100002-010 (160-55882-39) and 24100002-017 (160-55882-40) were analyzed for Combined Radium-226 and Radium-228. The samples were analyzed on 12/2/2024 and 12/4/2024.

TEKLAB, INC. Chain of Custody

5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Are the samples chilled? YES ☐ NO ☑ With: ☐ Ice ☐ Blue Ice Preserved in: ☐ Lab ☐ Field

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: | Sampler: Teklab, Inc. | QC Level: 2

Project# 24100002

Comments: **Please Issue reports and invoices via email only**
Please analyze for Radium 226/228 per methods specified for Vistra/Ramboll projects.
Method changes require Teklab authorization. Samples collected from an IL site.
Batch QC is required for all analyses requested. Vistra-EDD requested.

Contact: Elizabeth Hurley | Email: EHurley@TekLabInc.com
Requested Due Date: Standard TAT | Billing/PO: 37147
Phone: (618) 344-1004 ext. 33

* Do not analyze

PLEASE NOTE:

NELAP accreditation is required on the requested analytes and must be documented as such on the final report. If your laboratory does not currently hold a NELAP accreditation for the requested method and/or analytes, please contact Teklab immediately. If your laboratory loses accreditation or is suspended for any analyte/method during the life of the contract, you must contact Teklab immediately.

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228									
	24100002-001	10/15/24 12:28pm	HNO3	Groundwater	✔											
	24100002-002	10/16/24 10:20am	HNO3	Groundwater	✔											
	24100002-003	10/16/24 12:31pm	HNO3	Groundwater	✔											
	24100002-004	10/16/24 11:47am	HNO3	Groundwater	✔											
	24100002-005	10/15/24 10:58am	HNO3	Groundwater	✔											
	24100002-006	10/15/24 9:54am	HNO3	Groundwater	✔											
	24100002-007 *	10/17/24 1:18pm	HNO3	Groundwater	✔											
	24100002-008	10/17/24 11:34am	HNO3	Groundwater	✔											
	24100002-009	10/17/24 12:35pm	HNO3	Groundwater	✔											
	24100002-011	10/16/24 11:51am	HNO3	Groundwater	✔											
			HNO3	Groundwater												

160-55882 Chain of Custody

*Relinquished By	Date/Time	Received By	Date/Time
	10/18/24 / 1307		10.18.24 / 1307
	10.18.24 / 1350		10/18/24 1355

Teklab maintains a strict policy of client confidentiality and as such does not provide client/sampler information without proper authorization. and proprietary rights, Teklab, Inc. protects clients' confidential information as directed by local, state or federal laws. (Teklab QAM Section 9.1, TNI V1 M2 Section 4.1.5 c)

SubCocRevA 3/2/2016

TEKLAB, INC. Chain of Custody

5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Are the samples chilled? YES ☐ NO ☑ With: ☐ Ice ☐ Blue Ice Preserved in: ☐ Lab ☐ Field

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: | Sampler: Teklab, Inc. | QC Level: 2

Project# 24100002

Comments: **Please Issue reports and invoices via email only**
Please analyze for Radium 226/228 per methods specified for Vistra/Ramboll projects.
Method changes require Teklab authorization. Samples collected from an IL site.
Batch QC is required for all analyses requested. Vistra-EDD requested.

Contact: Elizabeth Hurley | Email: EHurley@TekLabInc.com
Requested Due Date: Standard TAT | Billing/PO: 37147 | Phone: (618) 344-1004 ext. 33

PLEASE NOTE:

NELAP accreditation is required on the requested analytes and must be documented as such on the final report. If your laboratory does not currently hold a NELAP accreditation for the requested method and/or analytes, please contact Teklab immediately. If your laboratory loses accreditation or is suspended for any analyte/method during the life of the contract, you must contact Teklab immediately.

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228									
	24100002-012	10/16/24 12:15pm	HNO3	Groundwater	✔											
	24100002-013	10/16/24 9:33am	HNO3	Groundwater	✔											
	24100002-014	10/15/24 12:52pm	HNO3	Groundwater	✔											
	24100002-015	10/16/24 11:18am	HNO3	Groundwater	✔											
	24100002-016	10/16/24 2:26pm	HNO3	Groundwater	✔											
	24100002-018	10/15/24 12:04pm	HNO3	Groundwater	✔											
	24100002-019	10/15/24 11:25am	HNO3	Groundwater	✔											
	24100002-020	10/15/24 1:56pm	HNO3	Groundwater	✔											
	24100002-021	10/16/24 1:04pm	HNO3	Groundwater	✔											
	24100002-022	10/16/24 1:39pm	HNO3	Groundwater	✔											
			HNO3	Groundwater												

*Relinquished By	Date/Time	Received By	Date/Time
	10/18/24 1307		10/18/24 1307 SW 10/18/24
	10/18/24 1355		10/18/24 1335 1355

Teklab maintains a strict policy of client confidentiality and as such does not provide client/sampler information without proper authorization. and proprietary rights, Teklab, Inc. protects clients' confidential information as directed by local, state or federal laws. (Teklab QAM Section 9.1, TNI V1 M2 Section 4.1.5 c)

SubCocRevA 3/2/2016

ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-257-601
APPENDIX A.

TEKLAB, INC. Chain of Custody

5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Are the samples chilled? YES ☐ NO ☑ With: ☐ Ice ☐ Blue Ice Preserved in: ☐ Lab ☐ Field

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: | Sampler: Teklab, Inc. | QC Level: 2

Comments:
- **Please Issue reports and invoices via email only**
- Please analyze for Radium 226/228 per methods specified for Vistra/Ramboll projects.
- Method changes require Teklab authorization. Samples collected from an IL site.
- Batch QC is required for all analyses requested. Vistra-EDD requested.

Project# 24100002

Contact: Elizabeth Hurley | Email: EHurley@TekLabInc.com
Requested Due Date: Standard TAT | Billing/PO: 37147 | Phone: (618) 344-1004 ext. 33

PLEASE NOTE:

NELAP accreditation is required on the requested analytes and must be documented as such on the final report. If your laboratory does not currently hold a NELAP accreditation for the requested method and/or analytes, please contact Teklab immediately. If your laboratory loses accreditation or is suspended for any analyte/method during the life of the contract, you must contact Teklab immediately.

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228									
	24100002-023	10/15/24 1:32pm	HNO3	Groundwater	✔											
	24100002-024	10/14/24 1:41pm	HNO3	Groundwater	✔											
	24100002-025	10/14/24 2:16pm	HNO3	Groundwater	✔											
	24100002-026	10/15/24 11:46am	HNO3	Groundwater	✔											
	24100002-028	10/15/24 10:38am	HNO3	Groundwater	✔											
	24100002-029	10/15/24 10:14am	HNO3	Groundwater	✔											
	24100002-030	10/15/24 9:29am	HNO3	Groundwater	✔											
	24100002-031	10/15/24 11:40am	HNO3	Groundwater	✔											
	24100002-032	10/14/24 1:06pm	HNO3	Groundwater	✔											
	24100002-033	10/14/24 11:44am	HNO3	Groundwater	✔											
			HNO3	Groundwater												

*Relinquished By	Date/Time	Received By	Date/Time
	10/18/24 1307		10/18/24 1307 SW
	10/18/24 1355		10/18/24 ~~1355~~ 1355

Teklab maintains a strict policy of client confidentiality and as such does not provide client/sampler information without proper authorization, and proprietary rights. Teklab, Inc. protects clients' confidential information as directed by local, state or federal laws. (Teklab QAM Section 9.1, TNI V1 M2 Section 4.1.5 c)

SubCocRevA 3/2/2016

TEKLAB, INC. Chain of Custody

5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Are the samples chilled? YES ☐ NO ☑ With: ☐ Ice ☐ Blue Ice Preserved in: ☐ Lab ☐ Field

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: | Sampler: Teklab, Inc. | QC Level: 2

Project# 24100002

Comments:
- **Please Issue reports and invoices via email only**
- Please analyze for Radium 226/228 per methods specified for Vistra/Ramboll projects.
- Method changes require Teklab authorization. Samples collected from an IL site.
- Batch QC is required for all analyses requested. Vistra-EDD requested.

Contact: Elizabeth Hurley | Email: EHurley@TekLabInc.com
Requested Due Date: Standard TAT | Billing/PO: 37147 | Phone: (618) 344-1004 ext. 33

PLEASE NOTE:

NELAP accreditation is required on the requested analytes and must be documented as such on the final report. If your laboratory does not currently hold a NELAP accreditation for the requested method and/or analytes, please contact Teklab immediately. If your laboratory loses accreditation or is suspended for any analyte/method during the life of the contract, you must contact Teklab immediately.

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228									
	24100002-034	10/15/24 12:40pm	HNO3	Groundwater	✔											
	24100002-035	10/15/24 1:34pm	HNO3	Groundwater	✔											
	24100002-036	10/15/24 2:31pm	HNO3	Groundwater	✔											
	24100002-037	10/15/24 10:38am	HNO3	Groundwater	✔											
	24100002-038	10/17/24 1:08pm	HNO3	Aqueous	✔											
	24100002-039	10/16/24 9:33am	HNO3	Groundwater	✔											
	24100002-040	10/15/24 2:31pm	HNO3	Groundwater	✔											
	24100002-041	10/17/24 1:31pm	HNO3	Aqueous	✔											
			HNO3	Aqueous												
			HNO3	Aqueous												
			HNO3	Groundwater												

*Relinquished By	Date/Time	Received By	Date/Time
	10/18/24 1300		10.18.24 1300 SW 10/18/24
	10.18.24 1355	M. Pinette	10/18/24 1355

Teklab maintains a strict policy of client confidentiality and as such does not provide client/sampler information without proper authorization. and proprietary rights. Teklab, Inc. protects clients' confidential information as directed by local, state or federal laws. (Teklab QAM Section 9.1, TNI V1 M2 Section 4.1.5 c)

SubCocRevA
3/2/2016

TEKLAB, INC. Chain of Custody

5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Are the samples chilled? YES ☐ NO ☑ With: ☐ Ice ☐ Blue Ice Preserved in: ☐ Lab ☐ Field

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: Sampler: Teklab Sampling Team QC Level: 2

Project# 24100002

Comments: **Please Issue reports and invoices via email only**
Please analyze for Radium 226/228 per methods specified for Vistra/Ramboll projects.
Method changes require Teklab authorization. Samples collected from an IL site.
Batch QC is required for all analyses requested. Vistra-EDD requested.

Contact: Elizabeth Hurley Email: EHurley@TekLabInc.com
Requested Due Date: Standard TAT Billing/PO: 37147
Phone: (618) 344-1004 ext. 33

Please add to original workorder and PO. Thanks

PLEASE NOTE:

NELAP accreditation is required on the requested analytes and must be documented as such on the final report. If your laboratory does not currently hold a NELAP accreditation for the requested method and/or analytes, please contact Teklab immediately. If your laboratory loses accreditation or is suspended for any analyte/method during the life of the contract, you must contact Teklab immediately.

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228
	24100002-001	11/1/24 1042	HNO3	Groundwater	✔		
	24100002-002	11/1/24 1128	HNO3	Groundwater	✔		
			HNO3	Groundwater			
			HNO3	Groundwater			
			HNO3	Groundwater			
			HNO3	Groundwater			
			HNO3	Aqueous			
			HNO3	Aqueous			
			HNO3	Aqueous			
			HNO3	Groundwater			
			HNO3	Groundwater			

160-55882 Chain of Custody

*Relinquished By	Date/Time	Received By	Date/Time
	11/4/24 1100		11.4.24 1100
	11/4/24 1226		11/4/24 1226

Teklab maintains a strict policy of client confidentiality and as such does not provide client/sampler information without proper authorization. and proprietary rights, Teklab, Inc. protects clients' confidential information as directed by local, state or federal laws. (Teklab QAM Section 9.1, TNI V1 M2 Section 4.1.5 c)

SubCocRevA
3/2/2016

TEKLAB, INC. Chain of Custody

5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Are the samples chilled? YES ☐ NO ☑ With: ☐ Ice ☐ Blue Ice Preserved in: ☐ Lab ☐ Field

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: | Sampler: Teklab Sampling Team | QC Level: 2

Comments: **Please Issue reports and invoices via email only**
Please analyze for Radium 226/228 per methods specified for Vistra/Ramboll projects.
Method changes require Teklab authorization. Samples collected from an IL site.
Batch QC is required for all analyses requested. Vistra-EDD requested.

Project# 24100002

Contact: Elizabeth Hurley | Email: EHurley@TekLabInc.com
Requested Due Date: Standard TAT | Billing/PO: 37147
Phone: (618) 344-1004 ext. 33

Please add to original workorder and PO. Thanks

PLEASE NOTE:

NELAP accreditation is required on the requested analytes and must be documented as such on the final report. If your laboratory does not currently hold a NELAP accreditation for the requested method and/or analytes, please contact Teklab immediately. If your laboratory loses accreditation or is suspended for any analyte/method during the life of the contract, you must contact Teklab immediately.

EDT 11/4/24

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228									
	24100002-~~001~~ 010	11/1/24 1042	HNO3	Groundwater	✔											
	24100002-~~002~~ 017	11/1/24 1128	HNO3	Groundwater	✔											
			HNO3	Groundwater												
			HNO3	Groundwater												
			HNO3	Groundwater												
			HNO3	Groundwater												
			HNO3	Aqueous												
			HNO3	Aqueous												
			HNO3	Aqueous												
			HNO3	Groundwater												
			HNO3	Groundwater												

*Relinquished By	Date/Time	Received By	Date/Time
Dana Dale	11/4/24		

Teklab maintains a strict policy of client confidentiality and as such does not provide client/sampler information without proper authorization. and proprietary rights. Teklab, Inc. protects clients' confidential information as directed by local, state or federal laws. (Teklab QAM Section 9.1, TNI V1 M2 Section 4.1.5 c)

SubCocRevA
3/2/2016

Erika Jordan

From: Elizabeth A. Hurley <EHurley@TekLabInc.com>
Sent: Monday, November 4, 2024 2:10 PM
To: Erika Jordan
Subject: RE: Teklab WO# 24100002 (corrected COC)

Unverified Sender: The sender of this email has not been verified. Review the content of the message carefully and verify the identity of the sender before acting on this email: replying, opening attachments or clicking links.

Hi, Erika,

These samples should have been delivered to Eurofins, today. It should be 24100002-010 and 24100002-017. They were dry when we were at the site mid-October, but we were able to get volume on 11/1. They client wants the site on a single Teklab report which is why it's under the same WO# and PO#. If you're able to add them to 160-55882, that would be helpful.

24100002-007 should not be analyzed; they want us to collect but not report.

24100002-022 shouldn't have had any marking; it was good to run from the start.

24100002-027 was dry, so you shouldn't have that one on the list at all.

My apologies for the confusion.

Thanks,

Elizabeth Hurley
Director of Customer Service

Teklab, Inc.
5445 Horseshoe Lake Road
Collinsville, IL 62234
Phone: (618) 344-1004 Ext. 33
Cell: (618) 791-8119
Fax: (618) 344-1005
E-mail: ehurley@teklabinc.com
www.teklabinc.com

Confidentiality Notice: The information contained in this message is intended only for the use of the addressee, and may be confidential and/or privileged. If the reader of this message is not the intended recipient, or the employee or agent responsible to deliver it to the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited. If you have received this communication in error, please notify the sender immediately.

From: Erika Jordan <Erika.Jordan@et.eurofinsus.com>
Sent: Monday, November 4, 2024 1:04 PM
To: Elizabeth A. Hurley <EHurley@TekLabInc.com>
Subject: RE: Teklab WO# 24100002 (corrected COC)

Hi Elizabeth!

Were these samples dropped off today?

Are you talking about samples 24100002-007 and 24100002-022?

If so, do you want them added to the existing job; 160-55882 or logged into their own job?

Thank you!

Erika Jordan-Smith
Senior Project Manager

Phone: 314-787-8225
E-mail: Erika.Jordan@ET.EurofinsUS.com

Note: A 10 business day lead time is appreciated for all bottle order requests. Expedited requests are subject to approval by the lab and will be billed accordingly. Please ask your Project Manager for more details.

From: Elizabeth A. Hurley <EHurley@TekLabInc.com>
Sent: Monday, November 4, 2024 12:57 PM
To: Erika Jordan <Erika.Jordan@et.eurofinsus.com>
Subject: Teklab WO# 24100002 (corrected COC)

Unverified Sender: The sender of this email has not been verified. Review the content of the message carefully and verify the identity of the sender before acting on this email: replying, opening attachments or clicking links.

Hi, Erika,

Teklab's field team resampled for WO# 24100002 and got volume for 2 wells that were previously dry. The COC that accompanied the samples listed them as -001 and -002, in error. The corrected chain of custody (page 5) is attached.

My apologies for the error.

Best,

Elizabeth Hurley
Director of Customer Service

Teklab, Inc.
5445 Horseshoe Lake Road
Collinsville, IL 62234
Phone: (618) 344-1004 Ext. 33
Cell: (618) 791-8119
Fax: (618) 344-1005
E-mail: ehurley@teklabinc.com
www.teklabinc.com

Confidentiality Notice: The information contained in this message is intended only for the use of the addressee, and may be confidential and/or privileged. If the reader of this message is not the intended recipient, or the employee or agent responsible to deliver it to the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited. If you have received this communication in error, please notify the sender immediately.

Login Sample Receipt Checklist

Client: TekLab, Inc

Job Number: 160-55882-1
SDG Number: 24100002

Login Number: 55882
List Number: 1
Creator: Worthington, Sierra M

List Source: Eurofins St. Louis

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	Samples 39 and 40 were received 11/4/24
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Qualifiers

Rad

Qualifier	Qualifier Description
G	The Sample MDC is greater than the requested RL.
U	Result is less than the sample detection limit.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Method Summary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Method	Method Description	Protocol	Laboratory
903.0	Radium-226 (GFPC)	EPA	EET SL
904.0	Radium-228 (GFPC)	EPA	EET SL
Ra226_Ra228 Pos	Combined Radium-226 and Radium-228	TAL-STL	EET SL
PrecSep_0	Preparation, Precipitate Separation	None	EET SL
PrecSep-21	Preparation, Precipitate Separation (21-Day In-Growth)	None	EET SL

Protocol References:

EPA = US Environmental Protection Agency

None = None

TAL-STL = TestAmerica Laboratories, St. Louis, Facility Standard Operating Procedure.

Laboratory References:

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Sample Summary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-55882-1
SDG: 24100002

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
160-55882-1	24100002-001	Water	10/15/24 12:28	10/18/24 13:55
160-55882-2	24100002-002	Water	10/16/24 10:20	10/18/24 13:55
160-55882-3	24100002-003	Water	10/16/24 12:31	10/18/24 13:55
160-55882-4	24100002-004	Water	10/16/24 11:47	10/18/24 13:55
160-55882-5	24100002-005	Water	10/15/24 10:58	10/18/24 13:55
160-55882-6	24100002-006	Water	10/15/24 09:54	10/18/24 13:55
160-55882-8	24100002-008	Water	10/17/24 11:34	10/18/24 13:55
160-55882-9	24100002-009	Water	10/17/24 12:35	10/18/24 13:55
160-55882-10	24100002-011	Water	10/16/24 11:51	10/18/24 13:55
160-55882-11	24100002-012	Water	10/16/24 12:15	10/18/24 13:55
160-55882-12	24100002-013	Water	10/16/24 09:33	10/18/24 13:55
160-55882-13	24100002-014	Water	10/15/24 12:52	10/18/24 13:55
160-55882-14	24100002-015	Water	10/16/24 11:18	10/18/24 13:55
160-55882-15	24100002-016	Water	10/16/24 14:26	10/18/24 13:55
160-55882-16	24100002-018	Water	10/15/24 12:04	10/18/24 13:55
160-55882-17	24100002-019	Water	10/15/24 11:25	10/18/24 13:55
160-55882-18	24100002-020	Water	10/15/24 13:56	10/18/24 13:55
160-55882-19	24100002-021	Water	10/16/24 13:04	10/18/24 13:55
160-55882-20	24100002-022	Water	10/16/24 13:39	10/18/24 13:55
160-55882-21	24100002-023	Water	10/15/24 13:32	10/18/24 13:55
160-55882-22	24100002-024	Water	10/14/24 13:41	10/18/24 13:55
160-55882-23	24100002-025	Water	10/14/24 14:16	10/18/24 13:55
160-55882-24	24100002-026	Water	10/15/24 11:46	10/18/24 13:55
160-55882-25	24100002-028	Water	10/15/24 10:38	10/18/24 13:55
160-55882-26	24100002-029	Water	10/15/24 10:14	10/18/24 13:55
160-55882-27	24100002-030	Water	10/15/24 09:29	10/18/24 13:55
160-55882-28	24100002-031	Water	10/15/24 11:40	10/18/24 13:55
160-55882-29	24100002-032	Water	10/14/24 13:06	10/18/24 13:55
160-55882-30	24100002-033	Water	10/14/24 11:44	10/18/24 13:55
160-55882-31	24100002-034	Water	10/15/24 12:40	10/18/24 13:55
160-55882-32	24100002-035	Water	10/15/24 13:34	10/18/24 13:55
160-55882-33	24100002-036	Water	10/15/24 14:31	10/18/24 13:55
160-55882-34	24100002-037	Water	10/15/24 10:38	10/18/24 13:55
160-55882-35	24100002-038	Water	10/17/24 13:08	10/18/24 13:55
160-55882-36	24100002-039	Water	10/16/24 09:33	10/18/24 13:55
160-55882-37	24100002-040	Water	10/15/24 14:31	10/18/24 13:55
160-55882-38	24100002-041	Water	10/17/24 13:31	10/18/24 13:55
160-55882-39	24100002-010	Water	11/01/24 10:42	10/18/24 13:55
160-55882-40	24100002-017	Water	11/01/24 11:28	10/18/24 13:55

Client Sample ID: 24100002-001
Date Collected: 10/15/24 12:28
Date Received: 10/18/24 13:55

Lab Sample ID: 160-55882-1
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0873	U	0.0816	0.0820	1.00	0.124	pCi/L	10/22/24 08:15	11/13/24 20:38	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.3*		*30 - 110*	*10/22/24 08:15*	*11/13/24 20:38*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.166	U	0.384	0.384	1.00	0.669	pCi/L	10/22/24 08:20	11/08/24 12:07	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.3*		*30 - 110*	*10/22/24 08:20*	*11/08/24 12:07*	*1*
Y Carrier	*81.9*		*30 - 110*	*10/22/24 08:20*	*11/08/24 12:07*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.253	U	0.393	0.393	5.00	0.669	pCi/L		12/02/24 12:58	1

Client Sample ID: 24100002-002
Date Collected: 10/16/24 10:20
Date Received: 10/18/24 13:55

Lab Sample ID: 160-55882-2
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0834	U	0.103	0.104	1.00	0.171	pCi/L	10/22/24 08:15	11/13/24 20:38	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.2*		*30 - 110*	*10/22/24 08:15*	*11/13/24 20:38*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0643	U	0.351	0.351	1.00	0.636	pCi/L	10/22/24 08:20	11/08/24 12:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.2*		*30 - 110*	*10/22/24 08:20*	*11/08/24 12:08*	*1*
Y Carrier	*75.9*		*30 - 110*	*10/22/24 08:20*	*11/08/24 12:08*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.148	U	0.366	0.366	5.00	0.636	pCi/L		12/02/24 12:58	1

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Lab ID: 160-55882-1
SDG: 24100002

Client Sample ID: 24100002-003
Date Collected: 10/16/24 12:31
Date Received: 10/18/24 13:55

Lab Sample ID: 160-55882-3
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.203	U	0.167	0.168	1.00	0.250	pCi/L	10/22/24 08:15	11/13/24 20:38	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*102*		*30 - 110*	*10/22/24 08:15*	*11/13/24 20:38*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.566	U G	0.629	0.631	1.00	1.03	pCi/L	10/22/24 08:20	11/08/24 12:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*102*		*30 - 110*	*10/22/24 08:20*	*11/08/24 12:08*	*1*
Y Carrier	*78.1*		*30 - 110*	*10/22/24 08:20*	*11/08/24 12:08*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.768	U	0.651	0.653	5.00	1.03	pCi/L		12/02/24 12:58	1

Client Sample ID: 24100002-004
Date Collected: 10/16/24 11:47
Date Received: 10/18/24 13:55

Lab Sample ID: 160-55882-4
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.590**		0.227	0.233	1.00	0.220	pCi/L	10/22/24 08:15	11/13/24 20:39	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.6*		*30 - 110*	*10/22/24 08:15*	*11/13/24 20:39*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.116	U G	0.522	0.523	1.00	1.03	pCi/L	10/22/24 08:20	11/08/24 12:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.6*		*30 - 110*	*10/22/24 08:20*	*11/08/24 12:08*	*1*
Y Carrier	*84.5*		*30 - 110*	*10/22/24 08:20*	*11/08/24 12:08*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.590	U	0.569	0.573	5.00	1.03	pCi/L		12/02/24 12:58	1

Client Sample ID: 24100002-005
Date Collected: 10/15/24 10:58
Date Received: 10/18/24 13:55

Lab Sample ID: 160-55882-5
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0966		0.0661	0.0666	1.00	0.0845	pCi/L	10/22/24 08:15	11/13/24 20:39	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*105*		*30 - 110*	*10/22/24 08:15*	*11/13/24 20:39*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.192	U	0.278	0.279	1.00	0.470	pCi/L	10/22/24 08:20	11/08/24 12:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*105*		*30 - 110*	*10/22/24 08:20*	*11/08/24 12:08*	*1*
Y Carrier	*81.5*		*30 - 110*	*10/22/24 08:20*	*11/08/24 12:08*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.288	U	0.286	0.287	5.00	0.470	pCi/L		12/02/24 12:58	1

Client Sample ID: 24100002-006
Date Collected: 10/15/24 09:54
Date Received: 10/18/24 13:55

Lab Sample ID: 160-55882-6
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.203		0.0973	0.0990	1.00	0.113	pCi/L	10/22/24 08:15	11/13/24 20:39	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*101*		*30 - 110*	*10/22/24 08:15*	*11/13/24 20:39*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.247	U	0.277	0.278	1.00	0.452	pCi/L	10/22/24 08:20	11/08/24 12:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*101*		*30 - 110*	*10/22/24 08:20*	*11/08/24 12:08*	*1*
Y Carrier	*82.6*		*30 - 110*	*10/22/24 08:20*	*11/08/24 12:08*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.449	U	0.294	0.295	5.00	0.452	pCi/L		12/02/24 12:58	1

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-55882-1
SDG: 24100002

Client Sample ID: 24100002-008
Date Collected: 10/17/24 11:34
Date Received: 10/18/24 13:55

Lab Sample ID: 160-55882-8
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.571		0.284	0.288	1.00	0.336	pCi/L	10/22/24 08:15	11/13/24 20:39	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*60.0*		*30 - 110*	*10/22/24 08:15*	*11/13/24 20:39*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.63	U G	1.09	1.11	1.00	1.64	pCi/L	10/22/24 08:20	11/08/24 12:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*60.0*		*30 - 110*	*10/22/24 08:20*	*11/08/24 12:08*	*1*
Y Carrier	*81.9*		*30 - 110*	*10/22/24 08:20*	*11/08/24 12:08*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	2.20		1.13	1.15	5.00	1.64	pCi/L		12/02/24 12:58	1

Client Sample ID: 24100002-009
Date Collected: 10/17/24 12:35
Date Received: 10/18/24 13:55

Lab Sample ID: 160-55882-9
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.703		0.320	0.326	1.00	0.348	pCi/L	10/22/24 08:15	11/13/24 20:41	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*52.9*		*30 - 110*	*10/22/24 08:15*	*11/13/24 20:41*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.14	U G	1.23	1.23	1.00	2.00	pCi/L	10/22/24 08:20	11/08/24 12:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*52.9*		*30 - 110*	*10/22/24 08:20*	*11/08/24 12:08*	*1*
Y Carrier	*81.5*		*30 - 110*	*10/22/24 08:20*	*11/08/24 12:08*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.84	U	1.27	1.27	5.00	2.00	pCi/L		12/02/24 12:58	1

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-55882-1
SDG: 24100002

Client Sample ID: 24100002-011
Date Collected: 10/16/24 11:51
Date Received: 10/18/24 13:55

Lab Sample ID: 160-55882-10
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0849	U	0.0807	0.0811	1.00	0.124	pCi/L	10/22/24 08:15	11/13/24 20:41	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.1*		*30 - 110*	*10/22/24 08:15*	*11/13/24 20:41*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.891**		0.488	0.495	1.00	0.680	pCi/L	10/22/24 08:20	11/08/24 12:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.1*		*30 - 110*	*10/22/24 08:20*	*11/08/24 12:08*	*1*
Y Carrier	*62.1*		*30 - 110*	*10/22/24 08:20*	*11/08/24 12:08*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.976**		0.495	0.502	5.00	0.680	pCi/L		12/02/24 12:58	1

Client Sample ID: 24100002-012
Date Collected: 10/16/24 12:15
Date Received: 10/18/24 13:55

Lab Sample ID: 160-55882-11
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.219**		0.100	0.102	1.00	0.108	pCi/L	10/22/24 08:15	11/13/24 20:41	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*96.2*		*30 - 110*	*10/22/24 08:15*	*11/13/24 20:41*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.455	U	0.406	0.408	1.00	0.638	pCi/L	10/22/24 08:20	11/08/24 12:09	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*96.2*		*30 - 110*	*10/22/24 08:20*	*11/08/24 12:09*	*1*
Y Carrier	*62.1*		*30 - 110*	*10/22/24 08:20*	*11/08/24 12:09*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.674**		0.418	0.421	5.00	0.638	pCi/L		12/02/24 12:58	1

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-55882-1
SDG: 24100002

Client Sample ID: 24100002-013
Date Collected: 10/16/24 09:33
Date Received: 10/18/24 13:55

Lab Sample ID: 160-55882-12
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.147		0.0860	0.0871	1.00	0.101	pCi/L	10/22/24 08:15	11/13/24 20:41	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.6*		*30 - 110*	*10/22/24 08:15*	*11/13/24 20:41*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.372	U	0.435	0.437	1.00	0.717	pCi/L	10/22/24 08:20	11/08/24 12:09	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.6*		*30 - 110*	*10/22/24 08:20*	*11/08/24 12:09*	*1*
Y Carrier	*72.9*		*30 - 110*	*10/22/24 08:20*	*11/08/24 12:09*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.518	U	0.443	0.446	5.00	0.717	pCi/L		12/02/24 12:58	1

Client Sample ID: 24100002-014
Date Collected: 10/15/24 12:52
Date Received: 10/18/24 13:55

Lab Sample ID: 160-55882-13
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.336		0.122	0.126	1.00	0.116	pCi/L	10/22/24 08:15	11/13/24 20:41	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.6*		*30 - 110*	*10/22/24 08:15*	*11/13/24 20:41*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.155	U	0.319	0.320	1.00	0.558	pCi/L	10/22/24 08:20	11/08/24 12:09	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.6*		*30 - 110*	*10/22/24 08:20*	*11/08/24 12:09*	*1*
Y Carrier	*78.9*		*30 - 110*	*10/22/24 08:20*	*11/08/24 12:09*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.491	U	0.342	0.344	5.00	0.558	pCi/L		12/02/24 12:58	1

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-55882-1
SDG: 24100002

Client Sample ID: 24100002-015
Date Collected: 10/16/24 11:18
Date Received: 10/18/24 13:55

Lab Sample ID: 160-55882-14
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.392		0.135	0.139	1.00	0.128	pCi/L	10/22/24 08:15	11/13/24 20:41	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.6*		*30 - 110*	*10/22/24 08:15*	*11/13/24 20:41*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0688	U	0.415	0.415	1.00	0.747	pCi/L	10/22/24 08:20	11/08/24 12:09	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.6*		*30 - 110*	*10/22/24 08:20*	*11/08/24 12:09*	*1*
Y Carrier	*74.8*		*30 - 110*	*10/22/24 08:20*	*11/08/24 12:09*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.461	U	0.436	0.438	5.00	0.747	pCi/L		12/02/24 12:58	1

Client Sample ID: 24100002-016
Date Collected: 10/16/24 14:26
Date Received: 10/18/24 13:55

Lab Sample ID: 160-55882-15
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0467	U	0.0631	0.0632	1.00	0.106	pCi/L	10/22/24 08:15	11/13/24 20:41	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*106*		*30 - 110*	*10/22/24 08:15*	*11/13/24 20:41*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0991	U	0.249	0.250	1.00	0.444	pCi/L	10/22/24 08:20	11/08/24 12:09	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*106*		*30 - 110*	*10/22/24 08:20*	*11/08/24 12:09*	*1*
Y Carrier	*80.0*		*30 - 110*	*10/22/24 08:20*	*11/08/24 12:09*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.146	U	0.257	0.258	5.00	0.444	pCi/L		12/02/24 12:58	1

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Lab ID: 160-55882-1
SDG: 24100002

Client Sample ID: 24100002-018

Date Collected: 10/15/24 12:04
Date Received: 10/18/24 13:55

Lab Sample ID: 160-55882-16

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0697	U	0.0701	0.0704	1.00	0.110	pCi/L	10/22/24 08:33	11/20/24 21:39	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.9*		*30 - 110*	*10/22/24 08:33*	*11/20/24 21:39*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0713	U	0.317	0.317	1.00	0.576	pCi/L	10/22/24 08:39	11/08/24 12:10	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.9*		*30 - 110*	*10/22/24 08:39*	*11/08/24 12:10*	*1*
Y Carrier	*77.4*		*30 - 110*	*10/22/24 08:39*	*11/08/24 12:10*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.141	U	0.325	0.325	5.00	0.576	pCi/L		12/02/24 12:57	1

Client Sample ID: 24100002-019

Date Collected: 10/15/24 11:25
Date Received: 10/18/24 13:55

Lab Sample ID: 160-55882-17

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.218**		0.115	0.117	1.00	0.152	pCi/L	10/22/24 08:33	11/20/24 21:39	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*75.7*		*30 - 110*	*10/22/24 08:33*	*11/20/24 21:39*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.0585	U	0.372	0.372	1.00	0.720	pCi/L	10/22/24 08:39	11/08/24 12:10	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*75.7*		*30 - 110*	*10/22/24 08:39*	*11/08/24 12:10*	*1*
Y Carrier	*72.9*		*30 - 110*	*10/22/24 08:39*	*11/08/24 12:10*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.218	U	0.389	0.390	5.00	0.720	pCi/L		12/02/24 12:57	1

Client Sample ID: 24100002-020
Date Collected: 10/15/24 13:56
Date Received: 10/18/24 13:55

Lab Sample ID: 160-55882-18
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.569		0.137	0.146	1.00	0.0920	pCi/L	10/22/24 08:33	11/24/24 05:41	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*78.2*		*30 - 110*	*10/22/24 08:33*	*11/24/24 05:41*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0262	U	0.334	0.334	1.00	0.629	pCi/L	10/22/24 08:39	11/08/24 12:10	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*78.2*		*30 - 110*	*10/22/24 08:39*	*11/08/24 12:10*	*1*
Y Carrier	*78.1*		*30 - 110*	*10/22/24 08:39*	*11/08/24 12:10*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.595	U	0.361	0.365	5.00	0.629	pCi/L		12/02/24 12:57	1

Client Sample ID: 24100002-021
Date Collected: 10/16/24 13:04
Date Received: 10/18/24 13:55

Lab Sample ID: 160-55882-19
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.330		0.135	0.138	1.00	0.164	pCi/L	10/22/24 08:33	11/24/24 05:41	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*69.9*		*30 - 110*	*10/22/24 08:33*	*11/24/24 05:41*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.180	U	0.396	0.397	1.00	0.797	pCi/L	10/22/24 08:39	11/08/24 12:10	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*69.9*		*30 - 110*	*10/22/24 08:39*	*11/08/24 12:10*	*1*
Y Carrier	*75.9*		*30 - 110*	*10/22/24 08:39*	*11/08/24 12:10*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.330	U	0.418	0.420	5.00	0.797	pCi/L		12/02/24 12:57	1

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-55882-1
SDG: 24100002

Client Sample ID: 24100002-022
Date Collected: 10/16/24 13:39
Date Received: 10/18/24 13:55

Lab Sample ID: 160-55882-20
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.153		0.0937	0.0947	1.00	0.120	pCi/L	11/05/24 08:14	11/27/24 07:46	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.6*		*30 - 110*	*11/05/24 08:14*	*11/27/24 07:46*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.533	U	0.398	0.401	1.00	0.602	pCi/L	11/05/24 08:18	11/21/24 14:55	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.6*		*30 - 110*	*11/05/24 08:18*	*11/21/24 14:55*	*1*
Y Carrier	*77.4*		*30 - 110*	*11/05/24 08:18*	*11/21/24 14:55*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.686		0.409	0.412	5.00	0.602	pCi/L		12/02/24 17:11	1

Client Sample ID: 24100002-023
Date Collected: 10/15/24 13:32
Date Received: 10/18/24 13:55

Lab Sample ID: 160-55882-21
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.300		0.163	0.165	1.00	0.211	pCi/L	10/22/24 08:33	11/24/24 05:41	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.9*		*30 - 110*	*10/22/24 08:33*	*11/24/24 05:41*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0346	U G	0.688	0.688	1.00	1.27	pCi/L	10/22/24 08:39	11/08/24 12:10	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.9*		*30 - 110*	*10/22/24 08:39*	*11/08/24 12:10*	*1*
Y Carrier	*75.1*		*30 - 110*	*10/22/24 08:39*	*11/08/24 12:10*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.335	U	0.707	0.708	5.00	1.27	pCi/L		12/02/24 12:57	1

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Lab ID: 160-55882-1
SDG: 24100002

Client Sample ID: 24100002-024
Date Collected: 10/14/24 13:41
Date Received: 10/18/24 13:55

Lab Sample ID: 160-55882-22
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0418	U	0.0527	0.0529	1.00	0.0871	pCi/L	10/22/24 08:33	11/24/24 05:42	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.3*		*30 - 110*	*10/22/24 08:33*	*11/24/24 05:42*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.339	U	0.380	0.381	1.00	0.622	pCi/L	10/22/24 08:39	11/08/24 12:10	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.3*		*30 - 110*	*10/22/24 08:39*	*11/08/24 12:10*	*1*
Y Carrier	*77.4*		*30 - 110*	*10/22/24 08:39*	*11/08/24 12:10*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.381	U	0.384	0.385	5.00	0.622	pCi/L		12/02/24 12:57	1

Client Sample ID: 24100002-025
Date Collected: 10/14/24 14:16
Date Received: 10/18/24 13:55

Lab Sample ID: 160-55882-23
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0302	U	0.0426	0.0427	1.00	0.0724	pCi/L	10/22/24 08:33	11/24/24 05:42	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.4*		*30 - 110*	*10/22/24 08:33*	*11/24/24 05:42*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.0421	U	0.299	0.299	1.00	0.578	pCi/L	10/22/24 08:39	11/08/24 12:10	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.4*		*30 - 110*	*10/22/24 08:39*	*11/08/24 12:10*	*1*
Y Carrier	*76.6*		*30 - 110*	*10/22/24 08:39*	*11/08/24 12:10*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.0302	U	0.302	0.302	5.00	0.578	pCi/L		12/02/24 12:57	1

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-55882-1
SDG: 24100002

Client Sample ID: 24100002-026
Date Collected: 10/15/24 11:46
Date Received: 10/18/24 13:55

Lab Sample ID: 160-55882-24
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.219**		0.0934	0.0955	1.00	0.101	pCi/L	10/22/24 08:33	11/24/24 05:42	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.3*		*30 - 110*	*10/22/24 08:33*	*11/24/24 05:42*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.175	U	0.344	0.344	1.00	0.601	pCi/L	10/22/24 08:39	11/08/24 12:11	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.3*		*30 - 110*	*10/22/24 08:39*	*11/08/24 12:11*	*1*
Y Carrier	*73.6*		*30 - 110*	*10/22/24 08:39*	*11/08/24 12:11*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.394	U	0.356	0.357	5.00	0.601	pCi/L		12/02/24 12:57	1

Client Sample ID: 24100002-028
Date Collected: 10/15/24 10:38
Date Received: 10/18/24 13:55

Lab Sample ID: 160-55882-25
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.109**		0.0684	0.0691	1.00	0.0906	pCi/L	10/22/24 08:33	11/24/24 05:42	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.4*		*30 - 110*	*10/22/24 08:33*	*11/24/24 05:42*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.264	U	0.296	0.297	1.00	0.621	pCi/L	10/22/24 08:39	11/08/24 12:11	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.4*		*30 - 110*	*10/22/24 08:39*	*11/08/24 12:11*	*1*
Y Carrier	*81.1*		*30 - 110*	*10/22/24 08:39*	*11/08/24 12:11*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.109	U	0.304	0.305	5.00	0.621	pCi/L		12/02/24 12:57	1

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Lab ID: 160-55882-1
SDG: 24100002

Client Sample ID: 24100002-029
Date Collected: 10/15/24 10:14
Date Received: 10/18/24 13:55

Lab Sample ID: 160-55882-26
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0724	U	0.0614	0.0618	1.00	0.0900	pCi/L	10/22/24 08:33	11/24/24 05:42	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.6*		*30 - 110*	*10/22/24 08:33*	*11/24/24 05:42*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.153	U G	0.565	0.566	1.00	1.07	pCi/L	10/22/24 08:39	11/08/24 13:22	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.6*		*30 - 110*	*10/22/24 08:39*	*11/08/24 13:22*	*1*
Y Carrier	*66.9*		*30 - 110*	*10/22/24 08:39*	*11/08/24 13:22*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.0724	U	0.568	0.569	5.00	1.07	pCi/L		12/02/24 12:57	1

Client Sample ID: 24100002-030
Date Collected: 10/15/24 09:29
Date Received: 10/18/24 13:55

Lab Sample ID: 160-55882-27
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.173**		0.0808	0.0823	1.00	0.0891	pCi/L	10/22/24 08:33	11/24/24 05:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.3*		*30 - 110*	*10/22/24 08:33*	*11/24/24 05:43*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.361	U	0.520	0.521	1.00	0.876	pCi/L	10/22/24 08:39	11/08/24 13:21	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.3*		*30 - 110*	*10/22/24 08:39*	*11/08/24 13:21*	*1*
Y Carrier	*71.0*		*30 - 110*	*10/22/24 08:39*	*11/08/24 13:21*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.534	U	0.526	0.527	5.00	0.876	pCi/L		12/02/24 12:57	1

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Lab ID: 160-55882-1
SDG: 24100002

Client Sample ID: 24100002-031
Date Collected: 10/15/24 11:40
Date Received: 10/18/24 13:55

Lab Sample ID: 160-55882-28
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.112		0.0707	0.0714	1.00	0.0907	pCi/L	10/22/24 08:33	11/24/24 05:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.6*		*30 - 110*	*10/22/24 08:33*	*11/24/24 05:43*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.288	U G	0.603	0.604	1.00	1.05	pCi/L	10/22/24 08:39	11/08/24 13:22	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.6*		*30 - 110*	*10/22/24 08:39*	*11/08/24 13:22*	*1*
Y Carrier	*61.7*		*30 - 110*	*10/22/24 08:39*	*11/08/24 13:22*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.400	U	0.607	0.608	5.00	1.05	pCi/L		12/02/24 12:57	1

Client Sample ID: 24100002-032
Date Collected: 10/14/24 13:06
Date Received: 10/18/24 13:55

Lab Sample ID: 160-55882-29
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.470		0.128	0.135	1.00	0.0868	pCi/L	10/22/24 08:33	11/24/24 05:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*72.2*		*30 - 110*	*10/22/24 08:33*	*11/24/24 05:43*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.490	U G	0.853	0.855	1.00	1.46	pCi/L	10/22/24 08:39	11/08/24 13:23	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*72.2*		*30 - 110*	*10/22/24 08:39*	*11/08/24 13:23*	*1*
Y Carrier	*60.9*		*30 - 110*	*10/22/24 08:39*	*11/08/24 13:23*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.960	U	0.863	0.866	5.00	1.46	pCi/L		12/02/24 12:57	1

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Lab ID: 160-55882-1
SDG: 24100002

Client Sample ID: 24100002-033
Date Collected: 10/14/24 11:44
Date Received: 10/18/24 13:55

Lab Sample ID: 160-55882-30
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0880	U	0.0715	0.0720	1.00	0.105	pCi/L	10/22/24 08:33	11/24/24 05:44	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.3*		*30 - 110*	*10/22/24 08:33*	*11/24/24 05:44*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.484	U G	0.683	0.685	1.00	1.15	pCi/L	10/22/24 08:39	11/08/24 13:24	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.3*		*30 - 110*	*10/22/24 08:39*	*11/08/24 13:24*	*1*
Y Carrier	*71.4*		*30 - 110*	*10/22/24 08:39*	*11/08/24 13:24*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.572	U	0.687	0.689	5.00	1.15	pCi/L		12/02/24 12:57	1

Client Sample ID: 24100002-034
Date Collected: 10/15/24 12:40
Date Received: 10/18/24 13:55

Lab Sample ID: 160-55882-31
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0494	U	0.0588	0.0590	1.00	0.0959	pCi/L	10/22/24 08:33	11/24/24 05:44	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.1*		*30 - 110*	*10/22/24 08:33*	*11/24/24 05:44*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.596	U	0.580	0.582	1.00	0.931	pCi/L	10/22/24 08:39	11/08/24 13:23	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.1*		*30 - 110*	*10/22/24 08:39*	*11/08/24 13:23*	*1*
Y Carrier	*74.4*		*30 - 110*	*10/22/24 08:39*	*11/08/24 13:23*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.645	U	0.583	0.585	5.00	0.931	pCi/L		12/02/24 12:57	1

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-55882-1
SDG: 24100002

Client Sample ID: 24100002-035
Date Collected: 10/15/24 13:34
Date Received: 10/18/24 13:55

Lab Sample ID: 160-55882-32
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.101		0.0608	0.0615	1.00	0.0700	pCi/L	10/22/24 08:33	11/24/24 05:44	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.9*		*30 - 110*	*10/22/24 08:33*	*11/24/24 05:44*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.364	U G	0.601	0.602	1.00	1.02	pCi/L	10/22/24 08:39	11/08/24 13:23	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.9*		*30 - 110*	*10/22/24 08:39*	*11/08/24 13:23*	*1*
Y Carrier	*69.2*		*30 - 110*	*10/22/24 08:39*	*11/08/24 13:23*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.466	U	0.604	0.605	5.00	1.02	pCi/L		12/02/24 12:57	1

Client Sample ID: 24100002-036
Date Collected: 10/15/24 14:31
Date Received: 10/18/24 13:55

Lab Sample ID: 160-55882-33
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.238		0.0971	0.0994	1.00	0.105	pCi/L	10/22/24 08:33	11/24/24 05:49	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.3*		*30 - 110*	*10/22/24 08:33*	*11/24/24 05:49*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0460	U	0.545	0.545	1.00	1.00	pCi/L	10/22/24 08:39	11/08/24 13:24	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.3*		*30 - 110*	*10/22/24 08:39*	*11/08/24 13:24*	*1*
Y Carrier	*69.2*		*30 - 110*	*10/22/24 08:39*	*11/08/24 13:24*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.284	U	0.554	0.554	5.00	1.00	pCi/L		12/02/24 12:57	1

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-55882-1
SDG: 24100002

Client Sample ID: 24100002-037
Date Collected: 10/15/24 10:38
Date Received: 10/18/24 13:55

Lab Sample ID: 160-55882-34
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.00378	U	0.0592	0.0592	1.00	0.118	pCi/L	10/22/24 08:33	11/24/24 05:49	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.5*		*30 - 110*	*10/22/24 08:33*	*11/24/24 05:49*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.374	U	0.528	0.530	1.00	0.889	pCi/L	10/22/24 08:39	11/08/24 13:25	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.5*		*30 - 110*	*10/22/24 08:39*	*11/08/24 13:25*	*1*
Y Carrier	*79.6*		*30 - 110*	*10/22/24 08:39*	*11/08/24 13:25*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.377	U	0.531	0.533	5.00	0.889	pCi/L		12/02/24 12:57	1

Client Sample ID: 24100002-038
Date Collected: 10/17/24 13:08
Date Received: 10/18/24 13:55

Lab Sample ID: 160-55882-35
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0229	U	0.0705	0.0705	1.00	0.130	pCi/L	10/22/24 09:16	11/14/24 07:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*98.2*		*30 - 110*	*10/22/24 09:16*	*11/14/24 07:12*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.168	U	0.357	0.358	1.00	0.718	pCi/L	10/22/24 09:16	11/07/24 17:16	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*98.2*		*30 - 110*	*10/22/24 09:16*	*11/07/24 17:16*	*1*
Y Carrier	*83.0*		*30 - 110*	*10/22/24 09:16*	*11/07/24 17:16*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.0229	U	0.364	0.365	5.00	0.718	pCi/L		12/02/24 12:57	1

Client Sample ID: 24100002-039
Date Collected: 10/16/24 09:33
Date Received: 10/18/24 13:55

Lab Sample ID: 160-55882-36
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.191		0.0949	0.0964	1.00	0.118	pCi/L	10/22/24 08:33	11/24/24 05:49	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.3*		*30 - 110*	*10/22/24 08:33*	*11/24/24 05:49*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.315	U	0.513	0.514	1.00	0.873	pCi/L	10/22/24 08:39	11/08/24 13:25	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.3*		*30 - 110*	*10/22/24 08:39*	*11/08/24 13:25*	*1*
Y Carrier	*78.5*		*30 - 110*	*10/22/24 08:39*	*11/08/24 13:25*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.507	U	0.522	0.523	5.00	0.873	pCi/L		12/02/24 12:57	1

Client Sample ID: 24100002-040
Date Collected: 10/15/24 14:31
Date Received: 10/18/24 13:55

Lab Sample ID: 160-55882-37
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.202		0.101	0.102	1.00	0.125	pCi/L	10/22/24 09:17	11/14/24 07:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.6*		*30 - 110*	*10/22/24 09:17*	*11/14/24 07:12*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.402	U	0.478	0.479	1.00	0.788	pCi/L	10/22/24 09:16	11/07/24 17:16	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.6*		*30 - 110*	*10/22/24 09:16*	*11/07/24 17:16*	*1*
Y Carrier	*81.9*		*30 - 110*	*10/22/24 09:16*	*11/07/24 17:16*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.604	U	0.489	0.490	5.00	0.788	pCi/L		12/04/24 17:36	1

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Lab ID: 160-55882-1
SDG: 24100002

Client Sample ID: 24100002-041
Date Collected: 10/17/24 13:31
Date Received: 10/18/24 13:55

Lab Sample ID: 160-55882-38
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0488	U	0.0720	0.0721	1.00	0.123	pCi/L	10/22/24 12:24	11/13/24 15:17	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.4*		*30 - 110*	*10/22/24 12:24*	*11/13/24 15:17*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.258	U	0.477	0.477	1.00	0.822	pCi/L	10/22/24 12:29	11/06/24 13:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.4*		*30 - 110*	*10/22/24 12:29*	*11/06/24 13:27*	*1*
Y Carrier	*79.6*		*30 - 110*	*10/22/24 12:29*	*11/06/24 13:27*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.307	U	0.482	0.482	5.00	0.822	pCi/L		12/04/24 17:37	1

Client Sample ID: 24100002-010
Date Collected: 11/01/24 10:42
Date Received: 10/18/24 13:55

Lab Sample ID: 160-55882-39
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.332**		0.157	0.160	1.00	0.181	pCi/L	11/05/24 08:14	11/27/24 07:46	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*79.7*		*30 - 110*	*11/05/24 08:14*	*11/27/24 07:46*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.867**		0.578	0.584	1.00	0.857	pCi/L	11/05/24 08:18	11/21/24 14:56	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*79.7*		*30 - 110*	*11/05/24 08:18*	*11/21/24 14:56*	*1*
Y Carrier	*79.6*		*30 - 110*	*11/05/24 08:18*	*11/21/24 14:56*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**1.20**		0.599	0.606	5.00	0.857	pCi/L		12/02/24 17:11	1

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-55882-1
SDG: 24100002

Client Sample ID: 24100002-017
Date Collected: 11/01/24 11:28
Date Received: 10/18/24 13:55

Lab Sample ID: 160-55882-40
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.399		0.212	0.215	1.00	0.256	pCi/L	11/05/24 08:14	11/27/24 07:46	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*77.7*		*30 - 110*	*11/05/24 08:14*	*11/27/24 07:46*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.124	U G	0.763	0.763	1.00	1.47	pCi/L	11/05/24 08:18	11/21/24 14:56	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*77.7*		*30 - 110*	*11/05/24 08:18*	*11/21/24 14:56*	*1*
Y Carrier	*73.6*		*30 - 110*	*11/05/24 08:18*	*11/21/24 14:56*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.399	U	0.792	0.793	5.00	1.47	pCi/L		12/02/24 17:11	1

QC Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-55882-1
SDG: 24100002

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-684529/1-A
Matrix: Water
Analysis Batch: 688341

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 684529

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.008793	U	0.0748	0.0748	1.00	0.144	pCi/L	10/22/24 08:09	11/13/24 22:10	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*101*		*30 - 110*	*10/22/24 08:09*	*11/13/24 22:10*	*1*

Lab Sample ID: LCS 160-684529/2-A
Matrix: Water
Analysis Batch: 688341

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 684529

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.58	7.885		0.863	1.00	0.122	pCi/L	82	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*107*		*30 - 110*

Lab Sample ID: MB 160-684531/1-A
Matrix: Water
Analysis Batch: 688341

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 684531

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.1461	U	0.105	0.105	1.00	0.151	pCi/L	10/22/24 08:15	11/13/24 20:38	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*99.5*		*30 - 110*	*10/22/24 08:15*	*11/13/24 20:38*	*1*

Lab Sample ID: LCS 160-684531/2-A
Matrix: Water
Analysis Batch: 688341

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 684531

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.58	8.528		0.935	1.00	0.113	pCi/L	89	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*95.9*		*30 - 110*

Lab Sample ID: 160-55882-1 DU
Matrix: Water
Analysis Batch: 688238

Client Sample ID: 24100002-001
Prep Type: Total/NA
Prep Batch: 684531

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-226	0.0873	U		0.08449	U	0.0808	1.00	0.122	pCi/L			0.02	1

Method: 903.0 - Radium-226 (GFPC) (Continued)

Lab Sample ID: 160-55882-1 DU
Matrix: Water
Analysis Batch: 688238

Client Sample ID: 24100002-001
Prep Type: Total/NA
Prep Batch: 684531

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	79.5		30 - 110

Lab Sample ID: MB 160-684537/1-A
Matrix: Water
Analysis Batch: 689607

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 684537

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.02819	U	0.0484	0.0485	1.00	0.0854	pCi/L	10/22/24 08:33	11/20/24 21:38	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	100		30 - 110	10/22/24 08:33	11/20/24 21:38	1

Lab Sample ID: LCS 160-684537/2-A
Matrix: Water
Analysis Batch: 689607

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 684537

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.58	7.309		0.790	1.00	0.0875	pCi/L	76	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	99.0		30 - 110

Lab Sample ID: 160-55882-17 DU
Matrix: Water
Analysis Batch: 690286

Client Sample ID: 24100002-019
Prep Type: Total/NA
Prep Batch: 684537

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-226	0.218			0.3293		0.115	1.00	0.100	pCi/L			0.48	1

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	76.7		30 - 110

Lab Sample ID: MB 160-684560/1-A
Matrix: Water
Analysis Batch: 688238

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 684560

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.04276	U	0.0622	0.0623	1.00	0.106	pCi/L	10/22/24 12:24	11/13/24 15:10	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	90.0		30 - 110	10/22/24 12:24	11/13/24 15:10	1

Method: 903.0 - Radium-226 (GFPC) (Continued)

Lab Sample ID: LCS 160-684560/2-A
Matrix: Water
Analysis Batch: 688238

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 684560

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226	9.58	9.449		1.02	1.00	0.106	pCi/L	99	75 - 125

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*83.4*		*30 - 110*

Lab Sample ID: MB 160-686859/1-A
Matrix: Water
Analysis Batch: 690739

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 686859

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.04729	U	0.0376	0.0379	1.00	0.116	pCi/L	11/05/24 08:14	11/27/24 07:45	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.2*		*30 - 110*	*11/05/24 08:14*	*11/27/24 07:45*	*1*

Lab Sample ID: LCS 160-686859/2-A
Matrix: Water
Analysis Batch: 690739

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 686859

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226	9.58	10.16		1.10	1.00	0.114	pCi/L	106	75 - 125

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*87.8*		*30 - 110*

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-684530/1-A
Matrix: Water
Analysis Batch: 687312

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 684530

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.05580	U	0.304	0.304	1.00	0.581	pCi/L	10/22/24 08:13	11/07/24 14:49	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*101*		*30 - 110*	*10/22/24 08:13*	*11/07/24 14:49*	*1*
Y Carrier	*80.7*		*30 - 110*	*10/22/24 08:13*	*11/07/24 14:49*	*1*

Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: LCS 160-684530/2-A
Matrix: Water
Analysis Batch: 687312

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 684530

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			8.36	8.557		1.19	1.00	0.490	pCi/L	102	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*107*		*30 - 110*
Y Carrier	*81.1*		*30 - 110*

Lab Sample ID: MB 160-684534/1-A
Matrix: Water
Analysis Batch: 687504

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 684534

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.07533	U	0.227	0.227	1.00	0.457	pCi/L	10/22/24 08:20	11/08/24 12:01	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*99.5*		*30 - 110*	*10/22/24 08:20*	*11/08/24 12:01*	*1*
Y Carrier	*84.1*		*30 - 110*	*10/22/24 08:20*	*11/08/24 12:01*	*1*

Lab Sample ID: LCS 160-684534/2-A
Matrix: Water
Analysis Batch: 687504

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 684534

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			8.36	7.728		1.10	1.00	0.452	pCi/L	92	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*95.9*		*30 - 110*
Y Carrier	*84.1*		*30 - 110*

Lab Sample ID: 160-55882-1 DU
Matrix: Water
Analysis Batch: 687515

Client Sample ID: 24100002-001
Prep Type: Total/NA
Prep Batch: 684534

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-228	0.166	U		0.1193	U	0.406	1.00	0.724	pCi/L			0.06	1

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
Ba Carrier	*79.5*		*30 - 110*
Y Carrier	*76.6*		*30 - 110*

QC Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-55882-1
SDG: 24100002

Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: MB 160-684538/1-A
Matrix: Water
Analysis Batch: 687516

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 684538

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.1477	U	0.268	0.268	1.00	0.538	pCi/L	10/22/24 08:39	11/08/24 12:09	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	100		30 - 110	10/22/24 08:39	11/08/24 12:09	1
Y Carrier	82.2		30 - 110	10/22/24 08:39	11/08/24 12:09	1

Lab Sample ID: LCS 160-684538/2-A
Matrix: Water
Analysis Batch: 687516

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 684538

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			8.36	8.461		1.18	1.00	0.510	pCi/L	101	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	99.0		30 - 110
Y Carrier	81.5		30 - 110

Lab Sample ID: 160-55882-17 DU
Matrix: Water
Analysis Batch: 687516

Client Sample ID: 24100002-019
Prep Type: Total/NA
Prep Batch: 684538

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-228	-0.0585	U		0.4729	U	0.452	1.00	0.717	pCi/L			0.65	1

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	76.7		30 - 110
Y Carrier	75.1		30 - 110

Lab Sample ID: MB 160-684561/1-A
Matrix: Water
Analysis Batch: 687157

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 684561

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.002565	U	0.290	0.290	1.00	0.554	pCi/L	10/22/24 12:29	11/06/24 12:24	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	90.0		30 - 110	10/22/24 12:29	11/06/24 12:24	1
Y Carrier	78.5		30 - 110	10/22/24 12:29	11/06/24 12:24	1

QC Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-55882-1
SAL-267-001
SDG: 24100002

Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: LCS 160-684561/2-A
Matrix: Water
Analysis Batch: 687157

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 684561

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			8.37	9.888		1.39	1.00	0.613	pCi/L	118	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*83.4*		*30 - 110*
Y Carrier	*83.0*		*30 - 110*

Lab Sample ID: MB 160-686862/1-A
Matrix: Water
Analysis Batch: 689807

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 686862

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.3228	U	0.352	0.353	1.00	0.573	pCi/L	11/05/24 08:18	11/21/24 14:52	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.2*		*30 - 110*	*11/05/24 08:18*	*11/21/24 14:52*	*1*
Y Carrier	*81.5*		*30 - 110*	*11/05/24 08:18*	*11/21/24 14:52*	*1*

Lab Sample ID: LCS 160-686862/2-A
Matrix: Water
Analysis Batch: 689807

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 686862

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			8.33	8.859		1.29	1.00	0.629	pCi/L	106	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*87.8*		*30 - 110*
Y Carrier	*82.6*		*30 - 110*

QC Association Summary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-55882-1
SDG: 24100002

Rad

Prep Batch: 684529

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-55882-35	24100002-038	Total/NA	Water	PrecSep-21	
160-55882-37	24100002-040	Total/NA	Water	PrecSep-21	
MB 160-684529/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-684529/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 684530

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-55882-35	24100002-038	Total/NA	Water	PrecSep_0	
160-55882-37	24100002-040	Total/NA	Water	PrecSep_0	
MB 160-684530/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-684530/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 684531

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-55882-1	24100002-001	Total/NA	Water	PrecSep-21	
160-55882-2	24100002-002	Total/NA	Water	PrecSep-21	
160-55882-3	24100002-003	Total/NA	Water	PrecSep-21	
160-55882-4	24100002-004	Total/NA	Water	PrecSep-21	
160-55882-5	24100002-005	Total/NA	Water	PrecSep-21	
160-55882-6	24100002-006	Total/NA	Water	PrecSep-21	
160-55882-8	24100002-008	Total/NA	Water	PrecSep-21	
160-55882-9	24100002-009	Total/NA	Water	PrecSep-21	
160-55882-10	24100002-011	Total/NA	Water	PrecSep-21	
160-55882-11	24100002-012	Total/NA	Water	PrecSep-21	
160-55882-12	24100002-013	Total/NA	Water	PrecSep-21	
160-55882-13	24100002-014	Total/NA	Water	PrecSep-21	
160-55882-14	24100002-015	Total/NA	Water	PrecSep-21	
160-55882-15	24100002-016	Total/NA	Water	PrecSep-21	
MB 160-684531/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-684531/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
160-55882-1 DU	24100002-001	Total/NA	Water	PrecSep-21	

Prep Batch: 684534

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-55882-1	24100002-001	Total/NA	Water	PrecSep_0	
160-55882-2	24100002-002	Total/NA	Water	PrecSep_0	
160-55882-3	24100002-003	Total/NA	Water	PrecSep_0	
160-55882-4	24100002-004	Total/NA	Water	PrecSep_0	
160-55882-5	24100002-005	Total/NA	Water	PrecSep_0	
160-55882-6	24100002-006	Total/NA	Water	PrecSep_0	
160-55882-8	24100002-008	Total/NA	Water	PrecSep_0	
160-55882-9	24100002-009	Total/NA	Water	PrecSep_0	
160-55882-10	24100002-011	Total/NA	Water	PrecSep_0	
160-55882-11	24100002-012	Total/NA	Water	PrecSep_0	
160-55882-12	24100002-013	Total/NA	Water	PrecSep_0	
160-55882-13	24100002-014	Total/NA	Water	PrecSep_0	
160-55882-14	24100002-015	Total/NA	Water	PrecSep_0	
160-55882-15	24100002-016	Total/NA	Water	PrecSep_0	
MB 160-684534/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-684534/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
160-55882-1 DU	24100002-001	Total/NA	Water	PrecSep_0	

QC Association Summary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-55882-1
SDG: 24100002

Rad

Prep Batch: 684537

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-55882-16	24100002-018	Total/NA	Water	PrecSep-21	
160-55882-17	24100002-019	Total/NA	Water	PrecSep-21	
160-55882-18	24100002-020	Total/NA	Water	PrecSep-21	
160-55882-19	24100002-021	Total/NA	Water	PrecSep-21	
160-55882-21	24100002-023	Total/NA	Water	PrecSep-21	
160-55882-22	24100002-024	Total/NA	Water	PrecSep-21	
160-55882-23	24100002-025	Total/NA	Water	PrecSep-21	
160-55882-24	24100002-026	Total/NA	Water	PrecSep-21	
160-55882-25	24100002-028	Total/NA	Water	PrecSep-21	
160-55882-26	24100002-029	Total/NA	Water	PrecSep-21	
160-55882-27	24100002-030	Total/NA	Water	PrecSep-21	
160-55882-28	24100002-031	Total/NA	Water	PrecSep-21	
160-55882-29	24100002-032	Total/NA	Water	PrecSep-21	
160-55882-30	24100002-033	Total/NA	Water	PrecSep-21	
160-55882-31	24100002-034	Total/NA	Water	PrecSep-21	
160-55882-32	24100002-035	Total/NA	Water	PrecSep-21	
160-55882-33	24100002-036	Total/NA	Water	PrecSep-21	
160-55882-34	24100002-037	Total/NA	Water	PrecSep-21	
160-55882-36	24100002-039	Total/NA	Water	PrecSep-21	
MB 160-684537/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-684537/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
160-55882-17 DU	24100002-019	Total/NA	Water	PrecSep-21	

Prep Batch: 684538

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-55882-16	24100002-018	Total/NA	Water	PrecSep_0	
160-55882-17	24100002-019	Total/NA	Water	PrecSep_0	
160-55882-18	24100002-020	Total/NA	Water	PrecSep_0	
160-55882-19	24100002-021	Total/NA	Water	PrecSep_0	
160-55882-21	24100002-023	Total/NA	Water	PrecSep_0	
160-55882-22	24100002-024	Total/NA	Water	PrecSep_0	
160-55882-23	24100002-025	Total/NA	Water	PrecSep_0	
160-55882-24	24100002-026	Total/NA	Water	PrecSep_0	
160-55882-25	24100002-028	Total/NA	Water	PrecSep_0	
160-55882-26	24100002-029	Total/NA	Water	PrecSep_0	
160-55882-27	24100002-030	Total/NA	Water	PrecSep_0	
160-55882-28	24100002-031	Total/NA	Water	PrecSep_0	
160-55882-29	24100002-032	Total/NA	Water	PrecSep_0	
160-55882-30	24100002-033	Total/NA	Water	PrecSep_0	
160-55882-31	24100002-034	Total/NA	Water	PrecSep_0	
160-55882-32	24100002-035	Total/NA	Water	PrecSep_0	
160-55882-33	24100002-036	Total/NA	Water	PrecSep_0	
160-55882-34	24100002-037	Total/NA	Water	PrecSep_0	
160-55882-36	24100002-039	Total/NA	Water	PrecSep_0	
MB 160-684538/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-684538/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
160-55882-17 DU	24100002-019	Total/NA	Water	PrecSep_0	

Prep Batch: 684560

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-55882-38	24100002-041	Total/NA	Water	PrecSep-21	

QC Association Summary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-55882-1
SDG: 24100002

Rad (Continued)

Prep Batch: 684560 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 160-684560/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-684560/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 684561

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-55882-38	24100002-041	Total/NA	Water	PrecSep_0	
MB 160-684561/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-684561/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 686859

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-55882-20	24100002-022	Total/NA	Water	PrecSep-21	
160-55882-39	24100002-010	Total/NA	Water	PrecSep-21	
160-55882-40	24100002-017	Total/NA	Water	PrecSep-21	
MB 160-686859/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-686859/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 686862

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-55882-20	24100002-022	Total/NA	Water	PrecSep_0	
160-55882-39	24100002-010	Total/NA	Water	PrecSep_0	
160-55882-40	24100002-017	Total/NA	Water	PrecSep_0	
MB 160-686862/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-686862/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Tracer/Carrier Summary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-55882-1
SDG: 24100002

Method: 903.0 - Radium-226 (GFPC)

Matrix: Water **Prep Type: Total/NA**

		Percent Yield (Acceptance Limits)						
Lab Sample ID	Client Sample ID	Ba (30-110)						
160-55882-1	24100002-001	83.3						
160-55882-1 DU	24100002-001	79.5						
160-55882-2	24100002-002	92.2						
160-55882-3	24100002-003	102						
160-55882-4	24100002-004	90.6						
160-55882-5	24100002-005	105						
160-55882-6	24100002-006	101						
160-55882-8	24100002-008	60.0						
160-55882-9	24100002-009	52.9						
160-55882-10	24100002-011	87.1						
160-55882-11	24100002-012	96.2						
160-55882-12	24100002-013	86.6						
160-55882-13	24100002-014	91.6						
160-55882-14	24100002-015	88.6						
160-55882-15	24100002-016	106						
160-55882-16	24100002-018	89.9						
160-55882-17	24100002-019	75.7						
160-55882-17 DU	24100002-019	76.7						
160-55882-18	24100002-020	78.2						
160-55882-19	24100002-021	69.9						
160-55882-20	24100002-022	86.6						
160-55882-21	24100002-023	89.9						
160-55882-22	24100002-024	85.3						
160-55882-23	24100002-025	90.4						
160-55882-24	24100002-026	82.3						
160-55882-25	24100002-028	95.4						
160-55882-26	24100002-029	87.6						
160-55882-27	24100002-030	87.3						
160-55882-28	24100002-031	84.6						
160-55882-29	24100002-032	72.2						
160-55882-30	24100002-033	81.3						
160-55882-31	24100002-034	85.1						
160-55882-32	24100002-035	90.9						
160-55882-33	24100002-036	84.3						
160-55882-34	24100002-037	80.5						
160-55882-35	24100002-038	98.2						
160-55882-36	24100002-039	84.3						
160-55882-37	24100002-040	90.6						
160-55882-38	24100002-041	82.4						
160-55882-39	24100002-010	79.7						
160-55882-40	24100002-017	77.7						
LCS 160-684529/2-A	Lab Control Sample	107						
LCS 160-684531/2-A	Lab Control Sample	95.9						
LCS 160-684537/2-A	Lab Control Sample	99.0						
LCS 160-684560/2-A	Lab Control Sample	83.4						
LCS 160-686859/2-A	Lab Control Sample	87.8						
MB 160-684529/1-A	Method Blank	101						
MB 160-684531/1-A	Method Blank	99.5						
MB 160-684537/1-A	Method Blank	100						

Tracer/Carrier Summary

Method: 903.0 - Radium-226 (GFPC) (Continued)

Matrix: Water — **Prep Type: Total/NA**

Lab Sample ID	Client Sample ID	Percent Yield (Acceptance Limits) Ba (30-110)
MB 160-684560/1-A	Method Blank	90.0
MB 160-686859/1-A	Method Blank	92.2

Tracer/Carrier Legend

Ba = Ba Carrier

Method: 904.0 - Radium-228 (GFPC)

Matrix: Water — **Prep Type: Total/NA**

Lab Sample ID	Client Sample ID	Percent Yield (Acceptance Limits) Ba (30-110)	Y (30-110)
160-55882-1	24100002-001	83.3	81.9
160-55882-1 DU	24100002-001	79.5	76.6
160-55882-2	24100002-002	92.2	75.9
160-55882-3	24100002-003	102	78.1
160-55882-4	24100002-004	90.6	84.5
160-55882-5	24100002-005	105	81.5
160-55882-6	24100002-006	101	82.6
160-55882-8	24100002-008	60.0	81.9
160-55882-9	24100002-009	52.9	81.5
160-55882-10	24100002-011	87.1	62.1
160-55882-11	24100002-012	96.2	62.1
160-55882-12	24100002-013	86.6	72.9
160-55882-13	24100002-014	91.6	78.9
160-55882-14	24100002-015	88.6	74.8
160-55882-15	24100002-016	106	80.0
160-55882-16	24100002-018	89.9	77.4
160-55882-17	24100002-019	75.7	72.9
160-55882-17 DU	24100002-019	76.7	75.1
160-55882-18	24100002-020	78.2	78.1
160-55882-19	24100002-021	69.9	75.9
160-55882-20	24100002-022	86.6	77.4
160-55882-21	24100002-023	89.9	75.1
160-55882-22	24100002-024	85.3	77.4
160-55882-23	24100002-025	90.4	76.6
160-55882-24	24100002-026	82.3	73.6
160-55882-25	24100002-028	95.4	81.1
160-55882-26	24100002-029	87.6	66.9
160-55882-27	24100002-030	87.3	71.0
160-55882-28	24100002-031	84.6	61.7
160-55882-29	24100002-032	72.2	60.9
160-55882-30	24100002-033	81.3	71.4
160-55882-31	24100002-034	85.1	74.4
160-55882-32	24100002-035	90.9	69.2
160-55882-33	24100002-036	84.3	69.2
160-55882-34	24100002-037	80.5	79.6
160-55882-35	24100002-038	98.2	83.0
160-55882-36	24100002-039	84.3	78.5
160-55882-37	24100002-040	90.6	81.9
160-55882-38	24100002-041	82.4	79.6

Tracer/Carrier Summary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-55882-1
SDG: 24100002

Method: 904.0 - Radium-228 (GFPC) (Continued)

Matrix: Water **Prep Type: Total/NA**

		Percent Yield (Acceptance Limits)	
Lab Sample ID	Client Sample ID	Ba (30-110)	Y (30-110)
160-55882-39	24100002-010	79.7	79.6
160-55882-40	24100002-017	77.7	73.6
LCS 160-684530/2-A	Lab Control Sample	107	81.1
LCS 160-684534/2-A	Lab Control Sample	95.9	84.1
LCS 160-684538/2-A	Lab Control Sample	99.0	81.5
LCS 160-684561/2-A	Lab Control Sample	83.4	83.0
LCS 160-686862/2-A	Lab Control Sample	87.8	82.6
MB 160-684530/1-A	Method Blank	101	80.7
MB 160-684534/1-A	Method Blank	99.5	84.1
MB 160-684538/1-A	Method Blank	100	82.2
MB 160-684561/1-A	Method Blank	90.0	78.5
MB 160-686862/1-A	Method Blank	92.2	81.5

Tracer/Carrier Legend

Ba = Ba Carrier
Y = Y Carrier

Field Data Sheet

Project Name:	BAL-24Q4	**Monitoring Point:**	MW-104DR
Project Location:	Baldwin, Illinois	**Sample ID:**	001
W.O. Number (s):	24100001	**Date (s):**	10/16/2024

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.
Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 45 °F — Wind Direction: ☐ N ☑ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing		X
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/16/2024 9:38

Static Water Level: 13.55 feet below TOC
Total Depth: 31.50 feet below TOC
Water Column: 17.95 feet

Purging Activities

Purged By: JC — Purge Date: 10/16/2024
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): 17.95 ft. x 0.022 = 0.39 L x 3 Vol. = 1.17 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Clear — Odor: None — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:01	0.0	143	purge start time						
10:14	1.9	↓	6.77	1,211.50	16.02	4.37	48.00	12.39	
10:17	2.3		6.76	1,147.10	15.93	3.28	49.50	13.95	
10:20	2.7		6.77	1,104.30	15.82	2.74	50.80	15.89	
10:23	3.1		6.77	1,090.50	15.92	2.43	51.90	19.43	
10:26	3.6		6.76	1,086.10	15.94	2.31	52.90	24.58	
10:29	4.0		6.76	1,081.30	15.90	2.21	53.90	28.89	

Sampling Activities

Sampled By: JC — Sample Date/Time: 10/16/2024 10:29
Sample Method: Low Flow — Sample Equipment: Bladder Pump
Sample Parameters: 6.76 pH — 1,081.30 Spec. Cond. — 15.90 Temp
Field Filtered: Yes — Filter Type: In-Line Disposable
Water Level: 14.00 feet below TOC — Drawdown: 0.45 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 43918

Form Completed By: **Date:** 10/16/2024

Field Data Sheet

Project Name:	BAL-24Q4	**Monitoring Point:**	MW-104SR
Project Location:	Baldwin, Illinois	**Sample ID:**	002
W.O. Number (s):	24100001	**Date (s):**	10/16/2024

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.
Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 49 °F — Wind Direction: ☐ N ☑ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/16/2024 10:33

Static Water Level: 13.44 feet below TOC
Total Depth: 18.00 feet below TOC
Water Column: 4.56 feet

Purging Activities

Purged By: JC — Purge Date: 10/16/2024
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): 4.56 ft. x 0.022 = 0.1 L x 3 Vol. = 0.3 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 4.50 L
Physical appearance of purge water: Clear — Odor: Strong — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:35	0.0	155	purge start time						
10:40	0.8	↓	6.51	1,325.80	17.32	2.57	-58.90	12.91	
10:43	1.2		6.50	1,319.20	17.54	1.72	-49.50	6.60	
10:46	1.7		6.50	1,310.00	17.70	1.95	-35.00	4.65	
10:49	2.2		6.49	1,308.60	17.84	1.95	-23.10	2.99	
10:52	2.6		6.49	1,311.80	17.77	1.66	-24.90	2.92	
10:55	3.1		6.49	1,316.90	17.85	1.52	-43.60	2.31	
10:58	3.6		6.48	1,321.00	17.73	1.38	-57.50	2.25	
11:01	4.0		6.48	1,324.90	17.68	1.26	-67.20	2.38	
11:04	4.5		6.47	1,326.80	17.84	1.16	-73.20	2.42	

Sampling Activities

Sampled By: JC — Sample Date/Time: 10/16/2024 11:04
Sample Method: Low Flow — Sample Equipment: Bladder Pump
Sample Parameters: 6.47 pH — 1,326.80 Spec. Cond. — 17.84 Temp
Field Filtered: Yes — Filter Type: In-Line Disposable
Water Level: 15.06 feet below TOC — Drawdown: 1.62 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 43918

Form Completed By: Justin Colp — **Date:** 10/16/2024

Field Data Sheet

Project Name:	BAL-24Q4	**Monitoring Point:**	MW-150
Project Location:	Baldwin, Illinois	**Sample ID:**	003
W.O. Number (s):	24100001	**Date (s):**	10/15/2024

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.
Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 54 °F — Wind Direction: ☐ N ☑ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/15/2024 12:09
Static Water Level: 20.18 feet below TOC
Total Depth: 27.90 feet below TOC
Water Column: 7.72 feet

Purging Activities

Purged By: JC — Purge Date: 10/15/2024
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): 7.72 ft. x 0.022 = 0.17 L x 3 Vol. = 0.51 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Clear — Odor: None — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:10	0.0	222	purge start time						
12:16	1.4	↓	6.89	2,104.80	13.85	1.33	-151.30	12.11	
12:19	2.0		6.89	2,097.00	13.83	1.36	-137.40	6.75	
12:22	2.7		6.89	2,092.60	13.87	1.53	-124.50	5.34	
12:25	3.4		6.88	2,089.80	13.91	1.66	-114.70	4.15	
12:28	4.0		6.88	2,087.20	13.91	1.77	-107.10	3.10	

Sampling Activities

Sampled By: JC — Sample Date/Time: 10/15/2024 12:28
Sample Method: Low Flow — Sample Equipment: Bladder Pump
Sample Parameters: 6.88 pH — 2,087.20 Spec. Cond. — 13.91 Temp
Field Filtered: Yes — Filter Type: In-Line Disposable
Water Level: 20.54 feet below TOC — Drawdown: 0.36 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 43918

Form Completed By: **Date:** 10/15/2024

Field Data Sheet

Project Name:	BAL-24Q4	**Monitoring Point:**	MW-151
Project Location:	Baldwin, Illinois	**Sample ID:**	004
W.O. Number (s):	24100001	**Date (s):**	10/16/2024

Field Team Members

Name: Tracy Carroll — Affiliation: TekLab, Inc.
Name: — Affiliation:

Weather Conditions

Temp: 46 °F — Wind Direction: ☐ N ☑ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/16/2024 9:56

Static Water Level: 7.17 feet below TOC
Total Depth: 19.00 feet below TOC
Water Column: 11.83 feet

Purging Activities

Purged By: TC — Purge Date: 10/16/2024
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): 11.83 ft. x 0.022 = 0.26 L x 3 Vol. = 0.78 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 8.00 L
Physical appearance of purge water: Clear — Odor: None — Color: None

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:56	0.0	333	purge start time						
10:08	4.0	↓	6.84	1,586.70	17.23	0.98	-152.30	14.93	
10:11	5.0		6.83	1,632.00	17.18	0.89	-150.10	18.25	
10:14	6.0		6.82	1,665.60	17.17	0.72	-152.40	18.73	
10:17	7.0		6.81	1,669.40	17.16	0.60	-153.40	24.07	
10:20	8.0		6.80	1,670.10	17.05	0.50	-154.50	26.76	

Sampling Activities

Sampled By: TC — Sample Date/Time: 10/16/2024 10:20
Sample Method: Low Flow — Sample Equipment: Bladder Pump
Sample Parameters: 6.80 pH — 1,670.10 Spec. Cond. — 17.05 Temp
Field Filtered: Yes — Filter Type: In-Line Disposable
Water Level: 11.44 feet below TOC — Drawdown: 4.27 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 46868

Form Completed By: Tracy Carroll — **Date:** 10/16/2024

Field Data Sheet

Project Name:	BAL-24Q4	**Monitoring Point:**	MW-152
Project Location:	Baldwin, Illinois	**Sample ID:**	005
W.O. Number (s):	24100001	**Date (s):**	10/16/2024

Field Team Members

Name: Tracy Carroll — Affiliation: TekLab, Inc.
Name: — Affiliation:

Weather Conditions

Temp: 52 °F — Wind Direction: ☐ N ☑ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/16/2024 12:14

Static Water Level: 8.00 feet below TOC
Total Depth: 20.00 feet below TOC
Water Column: 12.00 feet

Purging Activities

Purged By: TC — Purge Date: 10/16/2024
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): 12 ft. x 0.022 = 0.26 L x 3 Vol. = 0.78 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 6.00 L
Physical appearance of purge water: Clear — Odor: None — Color: None

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:14	0.0	353	purge start time						
12:22	2.8	↓	6.71	1,383.80	16.03	0.43	-25.40	64.04	
12:25	3.9		6.69	1,420.40	15.99	0.32	-31.40	61.02	
12:28	4.9		6.69	1,438.80	16.03	0.27	-35.80	56.04	
12:31	6.0		6.69	1,454.50	16.06	0.24	-36.60	49.48	

Sampling Activities

Sampled By: TC — Sample Date/Time: 10/16/2024 12:31
Sample Method: Low Flow — Sample Equipment: Bladder Pump
Sample Parameters: 6.69 pH — 1,454.50 Spec. Cond. — 16.06 Temp
Field Filtered: Yes — Filter Type: In-Line Disposable
Water Level: 8.31 feet below TOC — Drawdown: 0.31 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 46868

Form Completed By: Tracy Carroll — **Date:** 10/16/2024

Field Data Sheet

Project Name:	BAL-24Q4	**Monitoring Point:**	MW-153
Project Location:	Baldwin, Illinois	**Sample ID:**	006
W.O. Number (s):	24100001	**Date (s):**	10/16/2024

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.
Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 51 °F — Wind Direction: ☐ N ☑ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/16/2024 11:26

Static Water Level: 17.16 feet below TOC
Total Depth: 23.40 feet below TOC
Water Column: 6.24 feet

Purging Activities

Purged By: JC — Purge Date: 10/16/2024
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): 6.24 ft. x 0.022 = 0.14 L x 3 Vol. = 0.42 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 3.00 L
Physical appearance of purge water: Clear — Odor: None — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:26	0.0	143	purge start time						
11:35	1.3	↓	6.67	734.80	16.97	3.14	9.80	55.50	
11:38	1.7		6.61	725.50	16.99	2.81	17.30	58.06	
11:41	2.1		6.60	725.10	17.15	2.68	22.10	56.32	
11:44	2.6		6.60	727.70	17.25	2.64	25.60	48.09	
11:47	3.0		6.62	729.40	16.88	2.68	28.50	42.63	

Sampling Activities

Sampled By: JC — Sample Date/Time: 10/16/2024 11:47
Sample Method: Low Flow — Sample Equipment: Bladder Pump
Sample Parameters: 6.62 pH — 729.40 Spec. Cond. — 16.88 Temp
Field Filtered: Yes — Filter Type: In-Line Disposable
Water Level: 18.53 feet below TOC — Drawdown: 1.37 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 43918

Form Completed By: **Date:** 10/16/2024

Field Data Sheet

Project Name:	BAL-24Q4	**Monitoring Point:**	MW-154
Project Location:	Baldwin, Illinois	**Sample ID:**	007
W.O. Number (s):	24100001	**Date (s):**	11/1/2024

Field Team Members

Name: Tracy Carroll — Affiliation: TekLab, Inc.
Name: — Affiliation:

Weather Conditions

Temp: 50 °F — Wind Direction: ☐ N ☐ S ☐ W ☐ E ☐ SE ☑ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad
Casing
Protective Casing
Reference Mark/Identification

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 11/1/2024 10:07

Static Water Level: 15.36 feet below TOC
Total Depth: 15.40 feet below TOC
Water Column: 0.04 feet

Purging Activities

Purged By: TC — Purge Date: -
Purge Method: — Well Diameter: 2"
Purge Volume Calculation (L): 0.0400000000000009 ft. x 0.022 = 0 L x 3 Vol. = 0 L
Actual Purge Volume (L): 0.00 L
Physical appearance of purge water: — Odor: — Color:

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
-	0.0		purge start time						

Sampling Activities

Sampled By: — Sample Date/Time: -
Sample Method: — Sample Equipment:
Sample Parameters: pH Spec. Cond. Temp
Field Filtered: — Filter Type:
Water Level: feet below TOC — Drawdown: feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Well Dry; no sample collected

Form Completed By: Tracy Carroll — **Date:** 11/1/2024

Field Data Sheet

Project Name:	BAL-24Q4	**Monitoring Point:**	MW-155
Project Location:	Baldwin, Illinois	**Sample ID:**	008
W.O. Number (s):	24100001	**Date (s):**	10/14/2024

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.
Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 53 °F — Wind Direction: ☐ N ☑ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/14/2024 10:00
Static Water Level: N/A feet below TOC
Total Depth: 23.40 feet below TOC
Water Column: - feet

Purging Activities

Purged By: JC — Purge Date: 10/14/2024
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): #VALUE! **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 2.50 L
Physical appearance of purge water: Clear — Odor: None — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:06	0.0	96	purge start time						
10:14	0.8	↓	6.67	1,428.30	14.65	2.76	88.10	82.75	
10:17	1.1		6.70	1,416.10	14.53	1.88	87.40	69.20	
10:20	1.4		6.71	1,409.70	14.45	1.56	87.10	41.24	
10:23	1.7		6.73	1,403.00	14.45	1.22	86.70	23.90	
10:26	2.0		6.75	1,398.30	14.45	0.96	86.20	14.17	
10:29	2.2		6.76	1,394.90	14.46	0.83	85.70	8.12	
10:32	2.5		6.76	1,392.40	14.46	0.73	85.30	5.67	

Sampling Activities

Sampled By: JC — Sample Date/Time: 10/14/2024 10:32
Sample Method: Low Flow — Sample Equipment: Bladder Pump
Sample Parameters: 6.76 pH — 1,392.40 Spec. Cond. — 14.46 Temp
Field Filtered: Yes — Filter Type: In-Line Disposable
Water Level: N/A feet below TOC — Drawdown: - feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 43918
- DTW below top of pump

Form Completed By: Justin Colp — **Date:** 10/14/2024

Field Data Sheet

Project Name:	BAL-24Q4	**Monitoring Point:**	MW-192
Project Location:	Baldwin, Illinois	**Sample ID:**	009
W.O. Number (s):	24100001	**Date (s):**	10/15/2024

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.
Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 50 °F — Wind Direction: ☐ N ☑ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/15/2024 10:40
Static Water Level: 8.38 feet below TOC
Total Depth: 32.91 feet below TOC
Water Column: 24.53 feet

Purging Activities

Purged By: JC — Purge Date: 10/15/2024
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): 24.526 ft. x 0.022 = 0.54 L x 3 Vol. = 1.62 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Clear — Odor: None — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:40	0.0	222	purge start time						
10:46	1.3	↓	6.62	853.80	17.92	1.47	-89.50	44.49	
10:49	2.0		6.60	851.80	17.94	1.01	-90.10	56.00	
10:52	2.7		6.60	851.20	17.96	0.86	-90.60	49.63	
10:55	3.3		6.60	849.70	18.02	0.79	-90.50	42.32	
10:58	4.0		6.60	848.60	18.09	0.75	-90.30	52.63	

Sampling Activities

Sampled By: JC — Sample Date/Time: 10/15/2024 10:58
Sample Method: Low Flow — Sample Equipment: Bladder Pump
Sample Parameters: 6.60 pH — 848.60 Spec. Cond. — 18.09 Temp
Field Filtered: No — Filter Type:
Water Level: 13.65 feet below TOC — Drawdown: 5.27 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 43918

Form Completed By: Justin Colp — **Date:** 10/15/2024

Field Data Sheet

Project Name:	BAL-24Q4	**Monitoring Point:**	MW-193
Project Location:	Baldwin, Illinois	**Sample ID:**	010
W.O. Number (s):	24100001	**Date (s):**	10/15/2024

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.
Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 48 °F — Wind Direction: ☐ N ☑ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/15/2024 9:34

Static Water Level: 8.98 feet below TOC
Total Depth: 35.54 feet below TOC
Water Column: 26.56 feet

Purging Activities

Purged By: JC — Purge Date: 10/15/2024
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): 26.563 ft. x 0.022 = 0.58 L x 3 Vol. = 1.74 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 3.50 L
Physical appearance of purge water: Clear — Odor: None — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:35	0.0	184	purge start time						
9:42	1.3	↓	6.61	1,048.80	17.54	1.84	-125.40	40.97	
9:45	1.8		6.56	1,046.10	17.67	1.14	-113.40	26.38	
9:48	2.4		6.54	1,041.90	17.68	0.88	-103.40	17.56	
9:51	2.9		6.53	1,040.10	17.68	0.75	-95.40	13.60	
9:54	3.5		6.52	1,036.80	17.67	0.67	-88.50	9.83	

Sampling Activities

Sampled By: JC — Sample Date/Time: 10/15/2024 9:54
Sample Method: Low Flow — Sample Equipment: Bladder Pump
Sample Parameters: 6.52 pH — 1,036.80 Spec. Cond. — 17.67 Temp
Field Filtered: No — Filter Type:
Water Level: 9.55 feet below TOC — Drawdown: 0.57 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 43918

Form Completed By: **Date:** 10/15/2024

Field Data Sheet

Project Name:	BAL-24Q4	**Monitoring Point:**	MW-196
Project Location:	Baldwin, Illinois	**Sample ID:**	012
W.O. Number (s):	24100001	**Date (s):**	10/17/2024

Field Team Members

Name: Tracy Carroll — Affiliation: TekLab, Inc.
Name: — Affiliation:

Weather Conditions

Temp: 62 °F — Wind Direction: ☑ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/17/2024 11:04

Static Water Level: 11.26 feet below TOC
Total Depth: 21.25 feet below TOC
Water Column: 9.99 feet

Purging Activities

Purged By: TC — Purge Date: 10/17/2024
Purge Method: Submersible Pump — Well Diameter: 2"
Purge Volume Calculation (L): 9.99 ft. x 0.022 = 0.22 L x 3 Vol. = 0.66 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 6.00 L
Physical appearance of purge water: Slightly cloudy — Odor: None — Color: Lt orange

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:04	0.0	200	purge start time						
11:19	3.0	↓	6.89	1,030.30	18.05	3.28	-34.60	188.29	
11:22	3.6		6.90	1,024.20	18.17	3.21	-62.70	156.76	
11:25	4.2		6.91	1,016.30	18.20	3.02	-74.10	143.12	
11:28	4.8		6.92	1,008.80	18.22	2.88	-78.60	122.53	
11:31	5.4		6.93	1,003.40	18.48	3.09	-74.90	100.00	
11:34	6.0		6.93	998.70	18.59	3.29	-72.40	93.69	

Sampling Activities

Sampled By: TC — Sample Date/Time: 10/17/2024 11:34
Sample Method: Low Flow — Sample Equipment: Submersible Pump
Sample Parameters: 6.93 pH — 998.70 Spec. Cond. — 18.59 Temp
Field Filtered: Yes — Filter Type: In-Line Disposable
Water Level: 13.99 feet below TOC — Drawdown: 2.73 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 46868

Form Completed By: Tracy Carroll — **Date:** 10/17/2024

Field Data Sheet

Project Name:	BAL-24Q4	**Monitoring Point:**	MW-197
Project Location:	Baldwin, Illinois	**Sample ID:**	013
W.O. Number (s):	24100001	**Date (s):**	10/17/2024

Field Team Members

Name: Tracy Carroll — Affiliation: TekLab, Inc.
Name: — Affiliation:

Weather Conditions

Temp: 62 °F — Wind Direction: ☑ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/17/2024 11:50

Static Water Level: 8.14 feet below TOC
Total Depth: 20.66 feet below TOC
Water Column: 12.52 feet

Purging Activities

Purged By: TC — Purge Date: 10/17/2024
Purge Method: Submersible Pump — Well Diameter: 2"
Purge Volume Calculation (L): 12.52 ft. x 0.022 = 0.28 L x 3 Vol. = 0.84 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 8.50 L
Physical appearance of purge water: Slightly cloudy — Odor: None — Color: lt oange

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:50	0.0	189	purge start time						
12:11	4.0	↓	6.80	605.90	16.24	2.15	-37.80	172.85	
12:14	4.5		6.80	602.90	16.86	2.12	-30.30	148.11	
12:17	5.1		6.80	599.50	16.91	2.09	-17.90	122.48	
12:20	5.7		6.80	597.10	17.06	1.76	-3.10	105.31	
12:23	6.2		6.81	593.50	17.11	1.69	9.30	99.50	
12:26	6.8		6.83	589.70	17.17	1.58	16.10	87.84	
12:29	7.4		6.85	585.30	17.12	1.67	20.50	80.68	
12:32	7.9		6.86	583.60	17.05	1.77	23.50	87.83	
12:35	8.5		6.85	581.20	16.95	1.81	25.20	95.90	

Sampling Activities

Sampled By: TC — Sample Date/Time: 10/17/2024 12:35
Sample Method: Low Flow — Sample Equipment: Submersible Pump
Sample Parameters: 6.85 pH — 581.20 Spec. Cond. — 16.95 Temp
Field Filtered: Yes — Filter Type: In-Line Disposable
Water Level: 13.89 feet below TOC — Drawdown: 5.75 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 46868

Form Completed By: Tracy Carroll — **Date:** 10/17/2024

Field Data Sheet

Project Name:	BAL-24Q4	**Monitoring Point:**	MW-198
Project Location:	Baldwin, Illinois	**Sample ID:**	014
W.O. Number (s):	24100001	**Date (s):**	11/1/2024

Field Team Members

Name: Brett Gillihan — Affiliation: TekLab, Inc.
Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 50 °F — Wind Direction: ☐ N ☐ S ☐ W ☐ E ☐ SE ☑ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

		Locks	Yes	No
Well Pad	Good			
Casing	Good	Protective Casing		X
Protective Casing	Good	Well		X
Reference Mark/Identification	No			

Groundwater Level Measurements

Date/Time Measured: 11/1/2024 10:25
Static Water Level: 8.99 feet below TOC
Total Depth: 20.57 feet below TOC
Water Column: 11.58 feet

Purging Activities

Purged By: BG — Purge Date: 11/1/2024
Purge Method: Peristaltic Pump — Well Diameter: 2"
Purge Volume Calculation (L): 11.58 ft. x 0.022 = 0.25 L x 3 Vol. = 0.75 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 3.00 L
Physical appearance of purge water: Clear — Odor: None — Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:25	0.0	176	purge start time						
10:30	0.9	↓	6.48	766.70	14.25	8.26	79.70	19.76	
10:33	1.4		6.52	773.50	14.24	8.60	85.80	18.00	
10:36	1.9		6.59	773.60	14.27	8.91	90.20	314.09	
10:39	2.5		6.63	771.20	14.35	9.03	93.90	17.74	
10:42	3.0		6.65	767.30	14.55	8.98	97.30	19.99	

Sampling Activities

Sampled By: BG — Sample Date/Time: 11/1/2024 10:42
Sample Method: Low Flow — Sample Equipment: Peristaltic Pump
Sample Parameters: 6.65 pH — 767.30 Spec. Cond. — 14.55 Temp
Field Filtered: Yes — Filter Type: In-Line Disposable
Water Level: 9.41 feet below TOC — Drawdown: 0.42 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210760

Form Completed By: Brett Gillihan — **Date:** 11/1/2024

Field Data Sheet

Project Name:	BAL-24Q4	**Monitoring Point:**	MW-252
Project Location:	Baldwin, Illinois	**Sample ID:**	015
W.O. Number (s):	24100001	**Date (s):**	10/16/2024

Field Team Members

Name: Tracy Carroll — Affiliation: TekLab, Inc.
Name: — Affiliation:

Weather Conditions

Temp: 49 °F — Wind Direction: ☐ N ☑ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/16/2024 11:22

Static Water Level: 3.84 feet below TOC
Total Depth: 52.30 feet below TOC
Water Column: 48.46 feet

Purging Activities

Purged By: TC — Purge Date: 10/16/2024
Purge Method: Peristaltic Pump — Well Diameter: 2"
Purge Volume Calculation (L): 48.46 ft. x 0.022 = 1.07 L x 3 Vol. = 3.21 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 5.00 L
Physical appearance of purge water: Clear — Odor: None — Color: None

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:26	0.0	200	purge start time						
11:36	2.0	↓	6.72	1,284.50	14.97	1.66	-170.80	18.16	
11:39	2.6		6.71	1,276.10	14.93	1.47	-173.10	24.04	
11:42	3.2		6.71	1,274.90	14.82	1.35	-174.50	31.62	
11:45	3.8		6.71	1,273.80	14.76	1.26	-176.60	46.69	
11:48	4.4		6.71	1,270.70	14.83	1.25	-176.90	65.40	
11:51	5.0		6.71	1,270.80	14.86	1.23	-176.60	85.61	

Sampling Activities

Sampled By: TC — Sample Date/Time: 10/16/2024 11:51
Sample Method: Low Flow — Sample Equipment: Peristaltic Pump
Sample Parameters: 6.71 pH — 1,270.80 Spec. Cond. — 14.86 Temp
Field Filtered: Yes — Filter Type: In-Line Disposable
Water Level: 11.34 feet below TOC — Drawdown: 7.50 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 46868

Form Completed By: Tracy Carroll — **Date:** 10/16/2024

Field Data Sheet

Project Name:	BAL-24Q4	**Monitoring Point:**	MW-253R
Project Location:	Baldwin, Illinois	**Sample ID:**	016
W.O. Number (s):	24100001	**Date (s):**	10/16/2024

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.
Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 54 °F — Wind Direction: ☐ N ☑ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/16/2024 11:48
Static Water Level: 21.12 feet below TOC
Total Depth: 38.49 feet below TOC
Water Column: 17.37 feet

Purging Activities

Purged By: JC — Purge Date: 10/16/2024
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): 17.37 ft. x 0.022 = 0.38 L x 3 Vol. = 1.14 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 3.00 L
Physical appearance of purge water: Clear — Odor: Moderate — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:59	0.0	188	purge start time						
12:09	1.9	↓	6.58	1,822.20	15.84	1.69	-120.50	18.54	
12:12	2.5		6.55	1,806.30	15.72	1.51	-118.90	19.44	
12:15	3.0		6.54	1,773.90	15.69	1.55	-110.90	22.02	

Sampling Activities

Sampled By: JC — Sample Date/Time: 10/16/2024 12:15
Sample Method: Low Flow — Sample Equipment: Bladder Pump
Sample Parameters: 6.54 pH — 1,773.90 Spec. Cond. — 15.69 Temp
Field Filtered: Yes — Filter Type: In-Line Disposable
Water Level: 25.40 feet below TOC — Drawdown: 4.28 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 43918

Form Completed By: Justin Colp — **Date:** 10/16/2024

Field Data Sheet

Project Name:	BAL-24Q4	**Monitoring Point:**	MW-304
Project Location:	Baldwin, Illinois	**Sample ID:**	017
W.O. Number (s):	24100001	**Date (s):**	10/16/2024

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.
Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 40 °F — Wind Direction: ☐ N ☑ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/16/2024 8:58

Static Water Level: 9.54 feet below TOC
Total Depth: 57.50 feet below TOC
Water Column: 47.96 feet

Purging Activities

Purged By: JC — Purge Date: 10/16/2024
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): 47.96 ft. x 0.022 = 1.06 L x 3 Vol. = 3.18 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 6.00 L
Physical appearance of purge water: Clear — Odor: None — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:05	0.0	214	purge start time						
9:12	1.5	↓	7.65	2,611.60	15.46	2.75	-66.00	1.62	
9:15	2.1		7.66	2,605.30	15.34	2.04	-57.70	1.71	
9:18	2.8		7.66	2,597.00	15.32	1.72	-51.90	2.00	
9:21	3.4		7.65	2,588.70	15.35	1.52	-47.50	2.01	
9:24	4.1		7.64	2,579.10	15.30	1.39	-43.50	2.48	
9:27	4.7		7.60	2,567.20	15.28	1.27	-39.50	3.91	
9:30	5.4		7.56	2,553.70	15.29	1.26	-35.50	5.23	
9:33	6.0		7.54	2,541.30	15.29	1.24	-32.10	6.32	

Sampling Activities

Sampled By: JC — Sample Date/Time: 10/16/2024 9:33
Sample Method: Low Flow — Sample Equipment: Bladder Pump
Sample Parameters: 7.54 pH — 2,541.30 Spec. Cond. — 15.29 Temp
Field Filtered: Yes — Filter Type: In-Line Disposable
Water Level: 16.00 feet below TOC — Drawdown: 6.46 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 43918

Form Completed By: Justin Colp — **Date:** 10/16/2024

Field Data Sheet

Project Name:	BAL-24Q4	**Monitoring Point:**	MW-350R
Project Location:	Baldwin, Illinois	**Sample ID:**	018
W.O. Number (s):	24100001	**Date (s):**	10/15/2024

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.
Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 55 °F — Wind Direction: ☐ N ☑ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/15/2024 12:29
Static Water Level: 24.83 feet below TOC
Total Depth: 50.16 feet below TOC
Water Column: 25.33 feet

Purging Activities

Purged By: JC — Purge Date: 10/15/2024
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): 25.33 ft. x 0.022 = 0.56 L x 3 Vol. = 1.68 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Clear — Odor: None — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:30	0.0	182	purge start time						
12:37	1.3	↓	7.34	860.90	13.77	1.45	-149.20	20.78	
12:40	1.8		7.33	858.80	13.70	1.02	-155.70	17.72	
12:43	2.4		7.32	857.30	13.72	0.71	-161.10	14.13	
12:46	2.9		7.32	856.60	13.73	0.53	-165.00	10.75	
12:49	3.5		7.32	856.30	13.71	0.44	-167.50	9.51	
12:52	4.0		7.31	856.00	13.72	0.39	-169.30	9.18	

Sampling Activities

Sampled By: JC — Sample Date/Time: 10/15/2024 12:52
Sample Method: Low Flow — Sample Equipment: Bladder Pump
Sample Parameters: 7.31 pH — 856.00 Spec. Cond. — 13.72 Temp
Field Filtered: Yes — Filter Type: In-Line Disposable
Water Level: 30.55 feet below TOC — Drawdown: 5.72 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 43918

Form Completed By: [signature] — **Date:** 10/15/2024

Field Data Sheet

Project Name:	BAL-24Q4	**Monitoring Point:**	MW-352
Project Location:	Baldwin, Illinois	**Sample ID:**	019
W.O. Number (s):	24100001	**Date (s):**	10/16/2024

Field Team Members

Name: Tracy Carroll — Affiliation: TekLab, Inc.
Name: — Affiliation:

Weather Conditions

Temp: 48 °F — Wind Direction: ☐ N ☑ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/16/2024 10:58

Static Water Level: 4.21 feet below TOC
Total Depth: 75.70 feet below TOC
Water Column: 71.49 feet

Purging Activities

Purged By: TC — Purge Date: 10/16/2024
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): 71.49 ft. x 0.022 = 1.57 L x 3 Vol. = 4.71 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 2.00 L
Physical appearance of purge water: Clear — Odor: None — Color: None

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:58	0.0	100	purge start time						
11:06	0.8	↓	7.39	1,503.20	14.91	0.62	-220.60	14.14	
11:09	1.1		7.41	1,545.10	14.87	0.40	-214.60	17.72	
11:12	1.4		7.45	2,583.00	14.88	0.31	-218.20	20.54	
11:15	1.7		7.49	2,617.40	14.87	0.28	-225.70	23.03	
11:18	2.0		7.50	2,622.20	14.91	0.26	-228.90	25.23	

Sampling Activities

Sampled By: TC — Sample Date/Time: 10/16/2024 11:18
Sample Method: Low Flow — Sample Equipment: Bladder Pump
Sample Parameters: 7.50 pH — 2,622.20 Spec. Cond. — 14.91 Temp
Field Filtered: Yes — Filter Type: In-Line Disposable
Water Level: 7.39 feet below TOC — Drawdown: 3.18 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 46868

Form Completed By: Tracy Carroll — **Date:** 10/16/2024

Field Data Sheet

Project Name:	BAL-24Q4	**Monitoring Point:**	MW-355
Project Location:	Baldwin, Illinois	**Sample ID:**	020
W.O. Number (s):	24100001	**Date (s):**	10/16/2024

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.
Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 58 °F — Wind Direction: ☐ N ☑ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/16/2024 14:08

Static Water Level: 24.81 feet below TOC
Total Depth: 35.40 feet below TOC
Water Column: 10.59 feet

Purging Activities

Purged By: JC — Purge Date: 10/16/2024
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): 10.59 ft. x 0.022 = 0.23 L x 3 Vol. = 0.69 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Clear — Odor: None — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
14:08	0.0	200	purge start time						
14:13	1.0	↓	6.81	954.00	13.82	2.21	-104.90	10.41	
14:16	1.6		6.82	927.80	13.75	1.48	-88.70	4.95	
14:19	2.2		6.82	917.90	13.74	1.22	-74.00	3.43	
14:22	2.8		6.82	915.10	13.77	1.04	-63.00	3.45	
14:25	3.4		6.81	913.70	13.76	0.96	-54.90	2.90	
14:28	4.0		6.81	912.50	13.79	1.05	-48.20	2.30	

Sampling Activities

Sampled By: JC — Sample Date/Time: 10/16/2024 14:28
Sample Method: Low Flow — Sample Equipment: Bladder Pump
Sample Parameters: 6.81 pH — 912.50 Spec. Cond. — 13.79 Temp
Field Filtered: Yes — Filter Type: In-Line Disposable
Water Level: 27.21 feet below TOC — Drawdown: 2.40 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 43918

Form Completed By: Justin Colp — **Date:** 10/16/2024

Field Data Sheet

Project Name:	BAL-24Q4	**Monitoring Point:**	MW-356
Project Location:	Baldwin, Illinois	**Sample ID:**	021
W.O. Number (s):	24100001	**Date (s):**	10/16/2024

Field Team Members

Name: Tracy Carroll — Affiliation: TekLab, Inc.
Name: — Affiliation:

Weather Conditions

Temp: 55 °F — Wind Direction: ☐ N ☑ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/16/2024 14:01

Static Water Level: 4.69 feet below TOC
Total Depth: 68.40 feet below TOC
Water Column: 63.71 feet

Purging Activities

Purged By: TC — Purge Date: 10/16/2024
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): 63.71 ft. x 0.022 = 1.4 L x 3 Vol. = 4.2 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 5.00 L
Physical appearance of purge water: Clear — Odor: None — Color: None

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
14:01	0.0	200	purge start time						
14:08	1.4	↓	7.74	1,288.70	16.45	0.48	-153.70	2.68	
14:11	2.0		7.71	1,267.40	16.56	0.30	-140.90	3.76	
14:14	2.6		7.67	1,257.10	16.84	0.37	-123.30	5.20	
14:17	3.2		7.66	1,257.50	16.84	0.49	-102.70	6.65	
14:20	3.8		7.65	1,259.80	16.77	0.52	-88.70	7.61	
14:23	4.4		7.66	1,263.90	16.68	0.50	-79.70	9.91	
14:26	5.0		7.66	1,268.10	16.61	0.46	-74.50	11.35	

Sampling Activities

Sampled By: TC — Sample Date/Time: 10/16/2024 14:26
Sample Method: Low Flow — Sample Equipment: Bladder Pump
Sample Parameters: 7.66 pH — 1,268.10 Spec. Cond. — 16.61 Temp
Field Filtered: No — Filter Type:
Water Level: 8.99 feet below TOC — Drawdown: 4.30 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 46868

Form Completed By: Tracy Carroll — **Date:** 10/16/2024

Field Data Sheet

Project Name:	BAL-24Q4	**Monitoring Point:**	MW-358R
Project Location:	Baldwin, Illinois	**Sample ID:**	022
W.O. Number (s):	24100001	**Date (s):**	11/1/2024

Field Team Members

Name: Brett Gillihan — Affiliation: TekLab, Inc.
Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 55 °F — Wind Direction: ☐ N ☐ S ☐ W ☐ E ☐ SE ☑ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

		Locks	Yes	No
Well Pad	Good			
Casing	Good	Protective Casing		X
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 11/1/2024 11:28
Static Water Level: 81.62 feet below TOC
Total Depth: 87.75 feet below TOC
Water Column: 6.13 feet

Purging Activities

Purged By: BG — Purge Date: 11/1/2024
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): 6.13 ft. x 0.022 = 0.13 L x 3 Vol. = 0.39 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 3.00 L
Physical appearance of purge water: Clear — Odor: None — Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:08	0.0	150	purge start time						
11:16	1.2	↓	7.66	3,475.10	15.95	2.62	-112.40	57.98	
11:19	1.7		7.69	3,503.90	16.31	2.66	-111.00	46.87	
11:22	2.1		7.70	3,517.20	16.50	2.74	-108.70	47.71	
11:25	2.5		7.71	3,520.00	16.66	2.70	-107.70	44.37	
11:28	3.0		7.72	3,523.90	16.68	2.65	-106.80	43.41	

Sampling Activities

Sampled By: BG — Sample Date/Time: 11/1/2024 11:28
Sample Method: Low Flow — Sample Equipment: Bladder Pump
Sample Parameters: 7.72 pH — 3,523.90 Spec. Cond. — 16.68 Temp
Field Filtered: Yes — Filter Type: In-Line Disposable
Water Level: 82.13 feet below TOC — Drawdown: 0.51 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210760

Form Completed By: Brett Gillihan — **Date:** 11/1/2024

Field Data Sheet

Project Name:	BAL-24Q4	**Monitoring Point:**	MW-366
Project Location:	Baldwin, Illinois	**Sample ID:**	023
W.O. Number (s):	24100001	**Date (s):**	10/15/2024

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.
Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 53 °F — Wind Direction: ☐ N ☑ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/15/2024 11:50

Static Water Level: 15.32 feet below TOC
Total Depth: 54.50 feet below TOC
Water Column: 39.18 feet

Purging Activities

Purged By: JC — Purge Date: 10/15/2024
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): 39.18 ft. x 0.022 = 0.86 L x 3 Vol. = 2.58 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 2.50 L
Physical appearance of purge water: Clear — Odor: None — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:51	0.0	192	purge start time						
11:55	0.8	↓	6.46	2,193.50	14.60	1.12	-31.00	8.48	
11:58	1.3		6.46	2,184.00	14.71	0.57	-20.90	4.93	
12:01	1.9		6.46	2,177.50	14.78	0.41	-15.30	3.15	
12:04	2.5		6.46	2,167.30	14.79	0.34	-10.90	2.75	

Sampling Activities

Sampled By: JC — Sample Date/Time: 10/15/2024 12:04
Sample Method: Low Flow — Sample Equipment: Bladder Pump
Sample Parameters: 6.46 pH — 2,167.30 Spec. Cond. — 14.79 Temp
Field Filtered: No — Filter Type:
Water Level: 19.32 feet below TOC — Drawdown: 4.00 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 43918

Form Completed By: Justin Colp — **Date:** 10/15/2024

Field Data Sheet

Project Name:	BAL-24Q4	**Monitoring Point:**	MW-369
Project Location:	Baldwin, Illinois	**Sample ID:**	024
W.O. Number (s):	24100001	**Date (s):**	10/15/2024

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.
Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 51 °F — Wind Direction: ☐ N ☑ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/15/2024 11:06
Static Water Level: 13.65 feet below TOC
Total Depth: 68.20 feet below TOC
Water Column: 54.55 feet

Purging Activities

Purged By: JC — Purge Date: 10/15/2024
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): 54.55 ft. x 0.022 = 1.2 L x 3 Vol. = 3.6 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 3.00 L
Physical appearance of purge water: Clear — Odor: None — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:07	0.0	167	purge start time						
11:13	1.0	↓	7.67	2,919.80	15.34	1.15	-165.70	12.76	
11:16	1.5		8.14	2,867.50	15.33	0.61	-205.50	9.49	
11:19	2.0		8.33	2,594.60	15.29	0.45	-220.20	5.93	
11:22	2.5		8.39	2,417.90	15.29	0.37	-224.50	4.49	
11:25	3.0		8.41	2,270.50	15.28	0.33	-225.70	3.69	

Sampling Activities

Sampled By: JC — Sample Date/Time: 10/15/2024 11:25
Sample Method: Low Flow — Sample Equipment: Bladder Pump
Sample Parameters: 8.41 pH — 2,270.50 Spec. Cond. — 15.28 Temp
Field Filtered: No — Filter Type:
Water Level: 17.18 feet below TOC — Drawdown: 3.53 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 43918

Form Completed By: Justin Colp — **Date:** 10/15/2024

Field Data Sheet

Project Name:	BAL-24Q4	**Monitoring Point:**	MW-370
Project Location:	Baldwin, Illinois	**Sample ID:**	025
W.O. Number (s):	24100001	**Date (s):**	10/15/2024

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.
Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 57 °F — Wind Direction: ☐ N ☑ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/15/2024 13:36
Static Water Level: 18.89 feet below TOC
Total Depth: 65.20 feet below TOC
Water Column: 46.31 feet

Purging Activities

Purged By: JC — Purge Date: 10/15/2024
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): 46.31 ft. x 0.022 = 1.02 L x 3 Vol. = 3.06 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 3.00 L
Physical appearance of purge water: Clear — Odor: None — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:37	0.0	158	purge start time						
13:44	1.1	↓	7.43	6,066.60	15.64	1.67	-48.20	1.95	
13:47	1.6		7.45	6,128.40	15.55	0.90	-53.40	1.54	
13:50	2.1		7.45	6,148.00	15.46	0.62	-56.00	1.37	
13:53	2.5		7.44	6,158.80	15.46	0.50	-57.90	1.07	
13:56	3.0		7.43	6,166.40	15.57	0.42	-59.20	0.92	

Sampling Activities

Sampled By: JC — Sample Date/Time: 10/15/2024 13:56
Sample Method: Low Flow — Sample Equipment: Bladder Pump
Sample Parameters: 7.43 pH — 6,166.40 Spec. Cond. — 15.57 Temp
Field Filtered: No — Filter Type:
Water Level: 22.31 feet below TOC — Drawdown: 3.42 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 43918

Form Completed By: **Date:** 10/15/2024

Field Data Sheet

Project Name:	BAL-24Q4	**Monitoring Point:**	MW-375
Project Location:	Baldwin, Illinois	**Sample ID:**	026
W.O. Number (s):	24100001	**Date (s):**	10/16/2024

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.
Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 55 °F — Wind Direction: ☐ N ☑ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/16/2024 12:41

Static Water Level: 35.04 feet below TOC
Total Depth: 69.50 feet below TOC
Water Column: 34.46 feet

Purging Activities

Purged By: JC — Purge Date: 10/16/2024
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): 34.46 ft. x 0.022 = 0.76 L x 3 Vol. = 2.28 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 3.00 L
Physical appearance of purge water: Clear — Odor: Moderate — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:42	0.0	136	purge start time						
12:49	1.0	↓	7.53	1,801.00	14.03	2.82	-126.40	3.34	
12:52	1.4		7.59	1,803.40	14.01	1.80	-156.20	2.91	
12:55	1.8		7.61	1,775.90	13.96	1.41	-174.20	2.43	
12:58	2.2		7.63	1,756.80	13.89	1.22	-180.10	2.39	
13:01	2.6		7.63	1,739.40	13.88	1.13	-178.50	2.63	
13:04	3.0		7.64	1,728.20	13.87	1.06	-173.60	2.86	

Sampling Activities

Sampled By: JC — Sample Date/Time: 10/16/2024 13:04
Sample Method: Low Flow — Sample Equipment: Bladder Pump
Sample Parameters: 7.64 pH — 1,728.20 Spec. Cond. — 13.87 Temp
Field Filtered: No — Filter Type:
Water Level: 38.51 feet below TOC — Drawdown: 3.47 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 43918

Form Completed By: Justin Colp — **Date:** 10/16/2024

Field Data Sheet

Project Name:	BAL-24Q4	**Monitoring Point:**	MW-377
Project Location:	Baldwin, Illinois	**Sample ID:**	027
W.O. Number (s):	24100001	**Date (s):**	10/16/2024

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.
Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 57 °F — Wind Direction: ☐ N ☑ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/16/2024 13:22

Static Water Level: 7.32 feet below TOC
Total Depth: 58.60 feet below TOC
Water Column: 51.28 feet

Purging Activities

Purged By: JC — Purge Date: 10/16/2024
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): 51.28 ft. x 0.022 = 1.13 L x 3 Vol. = 3.39 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 3.00 L
Physical appearance of purge water: Clear — Odor: None — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:23	0.0	188	purge start time						
13:30	1.3	↓	6.96	1,238.40	16.15	1.46	-50.80	3.04	
13:33	1.9		6.95	1,229.00	16.15	1.09	-46.90	4.13	
13:36	2.4		6.94	1,223.50	16.22	0.91	-42.90	7.45	
13:39	3.0		6.93	1,218.50	16.24	0.83	-40.20	11.10	

Sampling Activities

Sampled By: JC — Sample Date/Time: 10/16/2024 13:39
Sample Method: Low Flow — Sample Equipment: Bladder Pump
Sample Parameters: 6.93 pH — 1,218.50 Spec. Cond. — 16.24 Temp
Field Filtered: No — Filter Type:
Water Level: 11.11 feet below TOC — Drawdown: 3.79 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 43918

Form Completed By: Justin Colp — **Date:** 10/16/2024

Field Data Sheet

Project Name:	BAL-24Q4	**Monitoring Point:**	MW-382
Project Location:	Baldwin, Illinois	**Sample ID:**	028
W.O. Number (s):	24100001	**Date (s):**	10/15/2024

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.
Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 56 °F — Wind Direction: ☐ N ☑ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/15/2024 13:10

Static Water Level: 16.58 feet below TOC
Total Depth: 72.70 feet below TOC
Water Column: 56.12 feet

Purging Activities

Purged By: JC — Purge Date: 10/15/2024
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): 56.12 ft. x 0.022 = 1.23 L x 3 Vol. = 3.69 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 3.50 L
Physical appearance of purge water: Clear — Odor: None — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:11	0.0	167	purge start time						
13:20	1.5	↓	7.72	2,058.20	16.24	1.70	-98.00	63.54	
13:23	2.0		7.72	2,051.60	16.16	1.00	-99.60	39.27	
13:26	2.5		7.69	2,015.40	16.00	0.74	-98.90	31.75	
13:29	3.0		7.65	1,988.70	15.91	0.63	-97.40	35.26	
13:32	3.5		7.63	1,965.70	15.93	0.54	-96.40	50.80	

Sampling Activities

Sampled By: JC — Sample Date/Time: 10/15/2024 13:32
Sample Method: Low Flow — Sample Equipment: Bladder Pump
Sample Parameters: 7.63 pH — 1,965.70 Spec. Cond. — 15.93 Temp
Field Filtered: No — Filter Type:
Water Level: 19.08 feet below TOC — Drawdown: 2.50 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 43918

Form Completed By: [signature] — **Date:** 10/15/2024

Field Data Sheet

Project Name:	BAL-24Q4	**Monitoring Point:**	MW-383
Project Location:	Baldwin, Illinois	**Sample ID:**	029
W.O. Number (s):	24100001	**Date (s):**	10/14/2024

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.
Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 61 °F — Wind Direction: ☐ N ☑ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/14/2024 13:22
Static Water Level: 19.90 feet below TOC
Total Depth: 70.30 feet below TOC
Water Column: 50.40 feet

Purging Activities

Purged By: JC — Purge Date: 10/14/2024
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): 50.4 ft. x 0.022 = 1.11 L x 3 Vol. = 3.33 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 3.00 L
Physical appearance of purge water: Clear — Odor: None — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:23	0.0	167	purge start time						
13:29	1.0	↓	7.42	2,505.20	18.77	2.01	-107.30	2.30	
13:32	1.5		7.43	2,592.90	18.69	1.07	-103.40	2.27	
13:35	2.0		7.42	2,613.50	18.76	0.77	-99.60	2.38	
13:38	2.5		7.42	2,628.90	18.67	0.64	-96.70	2.97	
13:41	3.0		7.41	2,635.00	18.67	0.57	-94.10	3.70	

Sampling Activities

Sampled By: JC — Sample Date/Time: 10/14/2024 13:41
Sample Method: Low Flow — Sample Equipment: Bladder Pump
Sample Parameters: 7.41 pH — 2,635.00 Spec. Cond. — 18.67 Temp
Field Filtered: No — Filter Type:
Water Level: 23.75 feet below TOC — Drawdown: 3.85 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 43918

Form Completed By: Justin Colp — **Date:** 10/14/2024

Field Data Sheet

Project Name:	BAL-24Q4	**Monitoring Point:**	MW-384
Project Location:	Baldwin, Illinois	**Sample ID:**	030
W.O. Number (s):	24100001	**Date (s):**	10/14/2024

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.
Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 62 °F — Wind Direction: ☐ N ☑ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/14/2024 13:56

Static Water Level: 16.22 feet below TOC
Total Depth: 68.50 feet below TOC
Water Column: 52.28 feet

Purging Activities

Purged By: JC — Purge Date: 10/14/2024
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): 52.28 ft. x 0.022 = 1.15 L x 3 Vol. = 3.45 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 3.00 L
Physical appearance of purge water: Clear — Odor: None — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:57	0.0	158	purge start time						
14:01	0.6	↓	7.72	4,816.60	17.79	3.17	-47.20	7.46	
14:04	1.1		7.91	4,900.60	17.66	1.26	-63.90	5.35	
14:07	1.6		7.95	4,926.70	17.59	0.72	-73.50	4.22	
14:10	2.0		7.96	4,941.60	17.57	0.53	-80.00	4.06	
14:13	2.5		7.96	4,950.00	17.56	0.43	-84.80	4.24	
14:16	3.0		7.95	4,957.40	17.52	0.38	-88.20	5.16	

Sampling Activities

Sampled By: JC — Sample Date/Time: 10/14/2024 14:16
Sample Method: Low Flow — Sample Equipment: Bladder Pump
Sample Parameters: 7.95 pH — 4,957.40 Spec. Cond. — 17.52 Temp
Field Filtered: No — Filter Type:
Water Level: 20.16 feet below TOC — Drawdown: 3.94 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 43918

Form Completed By: Justin Colp — **Date:** 10/14/2024

Field Data Sheet

Project Name:	BAL-24Q4	**Monitoring Point:**	MW-390
Project Location:	Baldwin, Illinois	**Sample ID:**	031
W.O. Number (s):	24100001	**Date (s):**	10/15/2024

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.
Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 51 °F — Wind Direction: ☐ N ☑ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/15/2024 11:29

Static Water Level: 8.65 feet below TOC
Total Depth: 67.10 feet below TOC
Water Column: 58.45 feet

Purging Activities

Purged By: JC — Purge Date: 10/15/2024
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): 58.45 ft. x 0.022 = 1.29 L x 3 Vol. = 3.87 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 3.50 L
Physical appearance of purge water: Clear — Odor: None — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:30	0.0	219	purge start time						
11:34	0.9	↓	7.07	3,613.20	15.98	2.26	-110.10	6.47	
11:37	1.5		7.16	3,780.40	15.95	1.58	-116.70	10.74	
11:40	2.2		7.12	3,596.00	16.25	1.39	-112.60	16.00	
11:43	2.8		7.08	3,498.40	16.09	1.29	-105.80	21.44	
11:46	3.5		7.04	3,432.70	16.02	1.28	-99.50	27.12	

Sampling Activities

Sampled By: JC — Sample Date/Time: 10/15/2024 11:46
Sample Method: Low Flow — Sample Equipment: Bladder Pump
Sample Parameters: 7.04 pH — 3,432.70 Spec. Cond. — 16.02 Temp
Field Filtered: No — Filter Type:
Water Level: 12.30 feet below TOC — Drawdown: 3.65 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 43918

Form Completed By: **Date:** 10/15/2024

Field Data Sheet

Project Name:	BAL-24Q4	**Monitoring Point:**	MW-391R
Project Location:	Baldwin, Illinois	**Sample ID:**	032
W.O. Number (s):	24100001	**Date (s):**	11/1/2024

Field Team Members

Name: Tracy Carroll — Affiliation: TekLab, Inc.
Name: — Affiliation:

Weather Conditions

Temp: 54 °F — Wind Direction: ☐ N ☐ S ☐ W ☐ E ☐ SE ☑ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 11/1/2024 11:39

Static Water Level: 71.22 feet below TOC
Total Depth: 72.15 feet below TOC
Water Column: 0.93 feet

Purging Activities

Purged By: TAC — Purge Date: 11/1/2024
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): 0.930000000000007 ft. x 0.022 = 0.02 L x 3 Vol. = 0.(**Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 1.50 L
Physical appearance of purge water: — Odor: — Color:

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:41	0.0	44	purge start time						
N/A	0.8	↓							

Sampling Activities

Sampled By: — Sample Date/Time: -
Sample Method: — Sample Equipment:
Sample Parameters: pH — Spec. Cond. — Temp
Field Filtered: — Filter Type:
Water Level: feet below TOC — Drawdown: feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Well went dry during purge, no stabilization; no sample collected

Form Completed By: Tracy Carroll — **Date:** 11/1/2024

Field Data Sheet

Project Name:	BAL-24Q4	**Monitoring Point:**	MW-392
Project Location:	Baldwin, Illinois	**Sample ID:**	033
W.O. Number (s):	24100001	**Date (s):**	10/15/2024

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.
Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 49 °F — Wind Direction: ☐ N ☑ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/15/2024 10:18
Static Water Level: 9.29 feet below TOC
Total Depth: 86.96 feet below TOC
Water Column: 77.67 feet

Purging Activities

Purged By: JC — Purge Date: 10/15/2024
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): 77.665 ft. x 0.022 = 1.71 L x 3 Vol. = 5.13 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 3.50 L
Physical appearance of purge water: Clear — Odor: None — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:19	0.0	184	purge start time						
10:26	1.3	↓	7.55	3,848.20	17.33	2.68	-138.30	2.98	
10:29	1.8		7.56	3,843.30	17.46	1.96	-142.30	2.55	
10:32	2.4		7.56	3,837.80	17.47	1.68	-142.40	3.37	
10:35	2.9		7.56	3,834.50	17.41	1.53	-141.90	5.00	
10:38	3.5		7.56	3,834.30	17.37	1.42	-141.50	6.99	

Sampling Activities

Sampled By: JC — Sample Date/Time: 10/15/2024 10:38
Sample Method: Low Flow — Sample Equipment: Bladder Pump
Sample Parameters: 7.56 pH — 3,834.30 Spec. Cond. — 17.37 Temp
Field Filtered: No — Filter Type:
Water Level: 14.55 feet below TOC — Drawdown: 5.26 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 43918

Form Completed By: [signature] — **Date:** 10/15/2024

Field Data Sheet

Project Name:	BAL-24Q4	**Monitoring Point:**	MW-393
Project Location:	Baldwin, Illinois	**Sample ID:**	034
W.O. Number (s):	24100001	**Date (s):**	10/15/2024

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.
Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 48 °F — Wind Direction: ☐ N ☑ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/15/2024 9:58
Static Water Level: 8.35 feet below TOC
Total Depth: 88.27 feet below TOC
Water Column: 79.92 feet

Purging Activities

Purged By: JC — Purge Date: 10/15/2024
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): 79.921 ft. x 0.022 = 1.76 L x 3 Vol. = 5.28 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 3.50 L
Physical appearance of purge water: Clear — Odor: Moderate — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:58	0.0	219	purge start time						
10:02	0.9	↓	8.00	4,429.00	17.37	1.47	-180.50	3.03	
10:05	1.5		8.07	4,553.80	17.41	0.63	-215.30	1.93	
10:08	2.2		8.08	4,598.50	17.73	0.43	-234.70	1.63	
10:11	2.8		8.08	4,626.80	17.69	0.36	-247.80	1.52	
10:14	3.5		8.09	4,640.90	17.70	0.31	-257.50	1.54	

Sampling Activities

Sampled By: JC — Sample Date/Time: 10/15/2024 10:14
Sample Method: Low Flow — Sample Equipment: Bladder Pump
Sample Parameters: 8.09 pH — 4,640.90 Spec. Cond. — 17.70 Temp
Field Filtered: No — Filter Type:
Water Level: 12.21 feet below TOC — Drawdown: 3.86 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 43918

Form Completed By: [signature] — **Date:** 10/15/2024

Field Data Sheet

Project Name:	BAL-24Q4	**Monitoring Point:**	MW-394
Project Location:	Baldwin, Illinois	**Sample ID:**	035
W.O. Number (s):	24100001	**Date (s):**	10/15/2024

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.
Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 47 °F — Wind Direction: ☐ N ☑ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/15/2024 9:08

Static Water Level: 6.78 feet below TOC
Total Depth: 85.78 feet below TOC
Water Column: 79.00 feet

Purging Activities

Purged By: JC — Purge Date: 10/15/2024
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): 79 ft. x 0.022 = 1.74 L x 3 Vol. = 5.22 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Clear — Odor: Moderate — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:09	0.0	200	purge start time						
9:17	1.6	↓	7.71	4,495.70	17.26	2.38	-156.50	6.02	
9:20	2.2		7.78	4,506.70	17.23	1.34	-232.50	3.13	
9:23	2.8		7.87	4,421.20	17.18	0.76	-284.50	9.76	
9:26	3.4		7.92	4,348.60	17.16	0.71	-291.90	13.72	
9:29	4.0		7.93	4,335.20	17.10	0.69	-291.70	39.21	

Sampling Activities

Sampled By: JC — Sample Date/Time: 10/15/2024 9:29
Sample Method: Low Flow — Sample Equipment: Bladder Pump
Sample Parameters: 7.93 pH — 4,335.20 Spec. Cond. — 17.10 Temp
Field Filtered: No — Filter Type:
Water Level: 13.31 feet below TOC — Drawdown: 6.53 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 43918

Form Completed By: [signature] — **Date:** 10/15/2024

Field Data Sheet

Project Name:	BAL-24Q4	**Monitoring Point:**	OW-156
Project Location:	Baldwin, Illinois	**Sample ID:**	036
W.O. Number (s):	24100001	**Date (s):**	10/16/2024

Field Team Members

Name: Tracy Carroll — Affiliation: TekLab, Inc.
Name: — Affiliation:

Weather Conditions

Temp: 40 °F — Wind Direction: ☐ N ☑ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/16/2024 14:31

Static Water Level: 8.99 feet below TOC
Total Depth: 20.40 feet below TOC
Water Column: 11.41 feet

Purging Activities

Purged By: TC — Purge Date: 10/16/2024
Purge Method: Bailer — Well Diameter: 2"
Purge Volume Calculation (L): 11.41 ft. x 0.022 = 0.25 L x 3 Vol. = 0.75 L **Based on 3-Well Volumes*
Actual Purge Volume (L): 2.00 L
Physical appearance of purge water: — Odor: — Color:

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
14:32	0.0	667	purge start time						
14:35	2.0	↓	6.55	1,053.90	19.66	3.81	-20.40	20.24	

Sampling Activities

Sampled By: TC — Sample Date/Time: 10/16/2024 14:35
Sample Method: — Sample Equipment:
Sample Parameters: 6.55 pH — 1,053.90 Spec. Cond. — 19.66 Temp
Field Filtered: — Filter Type:
Water Level: 9.35 feet below TOC — Drawdown: 0.36 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 46868
- Stabilization data only; no sample collected

Form Completed By: Tracy Carroll — **Date:** 10/16/2024

Field Data Sheet

Project Name:	BAL-24Q4	**Monitoring Point:**	OW-157
Project Location:	Baldwin, Illinois	**Sample ID:**	037
W.O. Number (s):	24100001	**Date (s):**	10/17/2024

Field Team Members

Name: Brett Gillihan — Affiliation: TekLab, Inc.
Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 62 °F — Wind Direction: ☑ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/17/2024 12:54

Static Water Level: 6.29 feet below TOC
Total Depth: 20.40 feet below TOC
Water Column: 14.11 feet

Purging Activities

Purged By: BG — Purge Date: 10/17/2024
Purge Method: Bailer — Well Diameter: 2"
Purge Volume Calculation (L): 14.11 ft. x 0.022 = 0.31 L x 3 Vol. = 0.93 L **Based on 3-Well Volumes*
Actual Purge Volume (L): 2.00 L
Physical appearance of purge water: — Odor: — Color:

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:54	0.0	400	purge start time						
12:56	1.0	↓	6.39	3,644.80	18.94	2.43	29.60	7.01	
12:59	2.2		6.33	3,633.90	18.74	2.21	38.10	6.22	
13:02	3.4		6.25	3,626.40	18.95	1.97	43.10	4.26	

Sampling Activities

Sampled By: BG — Sample Date/Time: 10/17/2024 13:02
Sample Method: — Sample Equipment:
Sample Parameters: 6.25 pH — 3,626.40 Spec. Cond. — 18.95 Temp
Field Filtered: — Filter Type:
Water Level: 7.69 feet below TOC — Drawdown: 1.40 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 223357
- Stabilization data only; no sample collected

Form Completed By: Brett Gillihan — **Date:** 10/17/2024

Field Data Sheet

Project Name:	BAL-24Q4	**Monitoring Point:**	OW-256
Project Location:	Baldwin, Illinois	**Sample ID:**	038
W.O. Number (s):	24100001	**Date (s):**	10/15/2024

Field Team Members

Name: Tracy Carroll — Affiliation: TekLab, Inc.
Name: — Affiliation:

Weather Conditions

Temp: 49 °F — Wind Direction: ☐ N ☑ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/15/2024 11:11

Static Water Level: 11.66 feet below TOC
Total Depth: 35.60 feet below TOC
Water Column: 23.94 feet

Purging Activities

Purged By: TC — Purge Date: 10/15/2024
Purge Method: Peristaltic Pump — Well Diameter: 2"
Purge Volume Calculation (L): 23.94 ft. x 0.022 = 0.53 L x 3 Vol. = 1.59 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 7.00 L
Physical appearance of purge water: Clear — Odor: None — Color: None

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:11	0.0	241	purge start time						
11:22	2.7	↓	6.89	563.10	15.79	1.46	-86.90	3.42	
11:25	3.4		6.86	561.60	15.82	1.25	-82.70	3.48	
11:28	4.1		6.84	559.60	15.84	1.14	-79.70	2.71	
11:31	4.8		6.83	558.60	15.80	1.06	-75.40	2.19	
11:34	5.5		6.82	554.90	15.91	1.02	-72.60	1.57	
11:37	6.3		6.82	552.10	15.87	0.96	-72.10	1.35	
11:40	7.0		6.82	548.80	15.97	0.91	-73.20	1.28	

Sampling Activities

Sampled By: TC — Sample Date/Time: 10/15/2024 11:40
Sample Method: Low Flow — Sample Equipment: Peristaltic Pump
Sample Parameters: 6.82 pH — 548.80 Spec. Cond. — 15.97 Temp
Field Filtered: No — Filter Type:
Water Level: 12.00 feet below TOC — Drawdown: 0.34 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 46868

Form Completed By: Tracy Carroll — **Date:** 10/15/2024

Field Data Sheet

Project Name:	BAL-24Q4	**Monitoring Point:**	OW-257
Project Location:	Baldwin, Illinois	**Sample ID:**	039
W.O. Number (s):	24100001	**Date (s):**	10/14/2024

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.
Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 58 °F — Wind Direction: ☐ N ☑ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/14/2024 12:09

Static Water Level: 7.09 feet below TOC
Total Depth: 41.90 feet below TOC
Water Column: 34.81 feet

Purging Activities

Purged By: JC — Purge Date: 10/14/2024
Purge Method: Peristaltic Pump — Well Diameter: 2"
Purge Volume Calculation (L): 34.81 ft. x 0.022 = 0.77 L x 3 Vol. = 2.31 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 9.00 L
Physical appearance of purge water: Clear — Odor: None — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:20	0.0	196	purge start time						
12:30	2.0	↓	6.83	1,984.30	18.86	3.08	-92.80	117.36	
12:33	2.5		6.86	1,948.80	18.97	2.86	-89.40	49.47	
12:36	3.1		6.87	1,922.60	18.96	2.72	-87.40	50.71	
12:39	3.7		6.85	1,918.20	18.94	3.22	-83.10	8.07	
12:42	4.3		7.00	1,966.80	18.45	4.06	-92.70	5.00	
12:45	4.9		6.79	1,966.70	17.39	3.20	-89.00	4.07	
12:48	5.5		6.75	1,955.80	17.00	2.68	-86.30	2.68	
12:51	6.1		6.75	1,957.40	17.33	2.30	-87.30	3.09	
12:54	6.7		6.76	1,960.00	17.62	2.04	-89.90	2.50	
12:57	7.2		6.75	1,965.60	17.81	1.89	-90.10	3.85	
13:00	7.8		6.73	1,966.50	17.81	1.67	-89.40	2.15	
13:03	8.4		6.73	1,974.10	17.74	1.49	-89.40	1.96	
13:06	9.0		6.71	1,962.70	17.17	1.25	-88.80	3.41	

Sampling Activities

Sampled By: JC — Sample Date/Time: 10/14/2024 13:06
Sample Method: Low Flow — Sample Equipment: Peristaltic Pump
Sample Parameters: 6.71 pH — 1,962.70 Spec. Cond. — 17.17 Temp
Field Filtered: No — Filter Type:
Water Level: 21.60 feet below TOC — Drawdown: 14.51 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 43918

Form Completed By: _____ **Date:** 10/14/2024

Field Data Sheet

Project Name:	BAL-24Q4	**Monitoring Point:**	PZ-170
Project Location:	Baldwin, Illinois	**Sample ID:**	040
W.O. Number (s):	24100001	**Date (s):**	10/14/2024

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.
Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 57 °F — Wind Direction: ☐ N ☑ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/14/2024 11:28

Static Water Level: 16.15 feet below TOC
Total Depth: 34.00 feet below TOC
Water Column: 17.85 feet

Purging Activities

Purged By: JC — Purge Date: 10/14/2024
Purge Method: Peristaltic Pump — Well Diameter: 2"
Purge Volume Calculation (L): 17.85 ft. x 0.022 = 0.39 L x 3 Vol. = 1.17 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 2.50 L
Physical appearance of purge water: Clear — Odor: Moderate — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:29	0.0	167	purge start time						
11:32	0.5	↓	6.49	3,338.50	16.48	1.44	-207.60	1.63	
11:35	1.0		6.52	3,345.00	16.81	0.92	-239.50	0.30	
11:38	1.5		6.53	3,144.10	17.08	0.73	-232.80	-0.75	
11:41	2.0		6.51	3,006.10	17.09	0.67	-223.20	-0.79	
11:44	2.5		6.49	2,916.20	17.00	0.59	-218.30	-1.14	

Sampling Activities

Sampled By: JC — Sample Date/Time: 10/14/2024 11:44
Sample Method: Low Flow — Sample Equipment: Peristaltic Pump
Sample Parameters: 6.49 pH — 2,916.20 Spec. Cond. — 17.00 Temp
Field Filtered: No — Filter Type:
Water Level: 18.15 feet below TOC — Drawdown: 2.00 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 43918

Form Completed By: Justin Colp — **Date:** 10/14/2024

Field Data Sheet

Project Name:	BAL-24Q4	**Monitoring Point:**	PZ-174
Project Location:	Baldwin, Illinois	**Sample ID:**	041
W.O. Number (s):	24100001	**Date (s):**	10/15/2024

Field Team Members

Name: Tracy Carroll — Affiliation: TekLab, Inc.
Name: — Affiliation:

Weather Conditions

Temp: 52 °F — Wind Direction: ☐ N ☑ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/15/2024 12:08

Static Water Level: 13.29 feet below TOC
Total Depth: 27.84 feet below TOC
Water Column: 14.55 feet

Purging Activities

Purged By: TC — Purge Date: 10/15/2024
Purge Method: Peristaltic Pump — Well Diameter: 2"
Purge Volume Calculation (L): 14.55 ft. x 0.022 = 0.32 L x 3 Vol. = 0.96 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 7.00 L
Physical appearance of purge water: Clear — Odor: None — Color: None

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:08	0.0	219	purge start time						
12:16	1.7	↓	6.93	1,090.60	16.27	2.56	56.70	12.66	
12:19	2.4		6.94	1,086.80	16.31	2.33	60.20	13.78	
12:22	3.1		6.94	1,076.80	16.41	2.13	61.60	16.55	
12:25	3.7		6.95	1,071.50	16.49	1.92	61.70	17.68	
12:28	4.4		6.97	1,058.00	16.40	1.69	60.10	15.12	
12:31	5.0		6.98	1,040.20	16.50	1.41	57.40	10.33	
12:34	5.7		6.99	1,030.60	16.58	1.22	55.10	7.36	
12:37	6.3		6.99	1,026.70	16.61	1.10	53.30	5.95	
12:40	7.0		6.99	1,024.30	16.64	1.02	51.70	5.19	

Sampling Activities

Sampled By: TC — Sample Date/Time: 10/15/2024 12:40
Sample Method: Low Flow — Sample Equipment: Peristaltic Pump
Sample Parameters: 6.99 pH — 1,024.30 Spec. Cond. — 16.64 Temp
Field Filtered: Yes — Filter Type: In-Line Disposable
Water Level: 13.85 feet below TOC — Drawdown: 0.56 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 46868

Form Completed By: Tracy Carroll — **Date:** 10/15/2024

Field Data Sheet

Project Name:	BAL-24Q4	**Monitoring Point:**	PZ-176
Project Location:	Baldwin, Illinois	**Sample ID:**	042
W.O. Number (s):	24100001	**Date (s):**	10/15/2024

Field Team Members

Name: Tracy Carroll — Affiliation: TekLab, Inc.
Name: — Affiliation:

Weather Conditions

Temp: 53 °F — Wind Direction: ☐ N ☑ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/15/2024 13:03

Static Water Level: 13.33 feet below TOC
Total Depth: 31.43 feet below TOC
Water Column: 18.10 feet

Purging Activities

Purged By: TC — Purge Date: 10/15/2024
Purge Method: Peristaltic Pump — Well Diameter: 2"
Purge Volume Calculation (L): 18.1 ft. x 0.022 = 0.4 L x 3 Vol. = 1.2 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 5.00 L
Physical appearance of purge water: Clear — Odor: None — Color: None

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:04	0.0	167	purge start time						
13:13	1.5	↓	6.83	546.40	15.58	1.89	-217.90	4.09	
13:16	2.0		6.82	544.90	15.40	1.73	-196.00	3.84	
13:19	2.5		6.81	544.30	15.36	1.64	-180.60	3.20	
13:22	3.0		6.81	545.00	15.47	1.62	-168.10	2.82	
13:25	3.5		6.79	551.40	15.28	1.50	-152.00	2.08	
13:28	4.0		6.78	558.00	15.14	1.38	-140.90	1.43	
13:31	4.5		6.78	559.30	15.09	1.28	-134.20	1.71	
13:34	5.0		6.78	558.80	15.23	1.20	-125.30	1.43	

Sampling Activities

Sampled By: TC — Sample Date/Time: 10/15/2024 13:34
Sample Method: Low Flow — Sample Equipment: Peristaltic Pump
Sample Parameters: 6.78 pH — 558.80 Spec. Cond. — 15.23 Temp
Field Filtered: Yes — Filter Type: In-Line Disposable
Water Level: 14.13 feet below TOC — Drawdown: 0.80 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 46868

Form Completed By: Tracy Carroll — **Date:** 10/15/2024

Field Data Sheet

Project Name:	BAL-24Q4	**Monitoring Point:**	PZ-178
Project Location:	Baldwin, Illinois	**Sample ID:**	043
W.O. Number (s):	24100001	**Date (s):**	10/15/2024

Field Team Members

Name: Tracy Carroll — Affiliation: TekLab, Inc.
Name: — Affiliation:

Weather Conditions

Temp: 53 °F — Wind Direction: ☐ N ☑ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/15/2024 13:59

Static Water Level: 9.78 feet below TOC
Total Depth: 45.71 feet below TOC
Water Column: 35.93 feet

Purging Activities

Purged By: TC — Purge Date: 10/15/2024
Purge Method: Peristaltic Pump — Well Diameter: 2"
Purge Volume Calculation (L): 35.93 ft. x 0.022 = 0.79 L x 3 Vol. = 2.37 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 5.00 L
Physical appearance of purge water: Clear — Odor: None — Color: None

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
14:00	0.0	161	purge start time						
14:19	3.1	↓	6.79	584.90	16.06	1.18	-66.10	162.55	
14:22	3.5		6.79	583.40	15.79	1.11	-62.70	178.17	
14:25	4.0		6.79	583.10	15.64	0.99	-58.50	80.95	
14:28	4.5		6.80	580.20	16.12	0.96	-56.50	91.89	
14:31	5.0		6.80	583.10	16.19	0.93	-54.50	97.76	

Sampling Activities

Sampled By: TC — Sample Date/Time: 10/15/2024 14:31
Sample Method: Low Flow — Sample Equipment: Peristaltic Pump
Sample Parameters: 6.80 pH — 583.10 Spec. Cond. — 16.19 Temp
Field Filtered: Yes — Filter Type: In-Line Disposable
Water Level: 16.21 feet below TOC — Drawdown: 6.43 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 46868

Form Completed By: Tracy Carroll — **Date:** 10/15/2024

Field Data Sheet

Project Name:	BAL-24Q4	**Monitoring Point:**	PZ-182
Project Location:	Baldwin, Illinois	**Sample ID:**	044
W.O. Number (s):	24100001	**Date (s):**	10/15/2024

Field Team Members

Name: Tracy Carroll — Affiliation: TekLab, Inc.
Name: — Affiliation:

Weather Conditions

Temp: 49 °F — Wind Direction: ☐ N ☑ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/15/2024 10:08

Static Water Level: 18.81 feet below TOC
Total Depth: 37.10 feet below TOC
Water Column: 18.29 feet

Purging Activities

Purged By: TC — Purge Date: 10/15/2024
Purge Method: Peristaltic Pump — Well Diameter: 2"
Purge Volume Calculation (L): 18.29 ft. x 0.022 = 0.4 L x 3 Vol. = 1.2 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 7.00 L
Physical appearance of purge water: Clear — Odor: Slight — Color: None

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:09	0.0	241	purge start time						
10:26	4.1	↓	6.67	931.00	15.23	1.15	-169.80	9.07	
10:29	4.8		6.67	921.90	15.33	1.07	-167.10	4.02	
10:32	5.6		6.68	915.20	15.30	0.97	-167.10	2.47	
10:35	6.3		6.68	906.10	15.29	0.91	-166.90	1.54	
10:38	7.0		6.68	898.40	15.36	0.87	-165.30	0.88	

Sampling Activities

Sampled By: TC — Sample Date/Time: 10/15/2024 10:38
Sample Method: Low Flow — Sample Equipment: Peristaltic Pump
Sample Parameters: 6.68 pH — 898.40 Spec. Cond. — 15.36 Temp
Field Filtered: No — Filter Type:
Water Level: 18.95 feet below TOC — Drawdown: 0.14 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 46868

Form Completed By: Tracy Carroll — **Date:** 10/15/2024

Field Data Sheet

Project Name:	BAL-24Q4	**Monitoring Point:**	TPZ-164
Project Location:	Baldwin, Illinois	**Sample ID:**	045
W.O. Number (s):	24100001	**Date (s):**	10/17/2024

Field Team Members

Name: Brett Gillihan — Affiliation: TekLab, Inc.
Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 59 °F — Wind Direction: ☑ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/17/2024 11:47

Static Water Level: 4.35 feet below TOC
Total Depth: 12.90 feet below TOC
Water Column: 8.55 feet

Purging Activities

Purged By: BG — Purge Date: 10/17/2024
Purge Method: Peristaltic Pump — Well Diameter: 2"
Purge Volume Calculation (L): 8.55 ft. x 0.022 = 0.19 L x 3 Vol. = 0.57 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 2.00 L
Physical appearance of purge water: Clear — Odor: None — Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:47	0.0	67	purge start time						
12:05	1.2	↓	7.37	763.50	18.66	3.53	-85.80	79.57	
12:08	1.4		7.36	766.80	18.78	2.90	-89.70	117.28	
12:11	1.6		7.36	767.20	18.84	2.30	-90.40	247.83	
12:14	1.8		7.36	766.80	18.78	2.10	-91.50	3.38	
12:17	2.0		7.36	765.60	18.89	1.97	-91.90	3.13	

Sampling Activities

Sampled By: BG — Sample Date/Time: 10/17/2024 12:17
Sample Method: Low Flow — Sample Equipment: Peristaltic Pump
Sample Parameters: 7.36 pH — 765.60 Spec. Cond. — 18.89 Temp
Field Filtered: No — Filter Type:
Water Level: 4.89 feet below TOC — Drawdown: 0.54 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 223357

Form Completed By: Brett Gillihan — **Date:** 10/17/2024

Field Data Sheet

Project Name:	BAL-24Q4	**Monitoring Point:**	XPW01
Project Location:	Baldwin, Illinois	**Sample ID:**	046
W.O. Number (s):	24100001	**Date (s):**	10/17/2024

Field Team Members

Name: Brett Gillihan — Affiliation: TekLab, Inc.
Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 52 °F — Wind Direction: ☑ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/17/2024 10:26

Static Water Level: 10.78 feet below TOC
Total Depth: 14.53 feet below TOC
Water Column: 3.75 feet

Purging Activities

Purged By: BG — Purge Date: 10/17/2024
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): 3.754 ft. x 0.022 = 0.08 L x 3 Vol. = 0.24 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 2.50 L
Physical appearance of purge water: Clear — Odor: None — Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:26	0.0	89	purge start time						
10:36	0.9	↓	7.03	555.40	19.07	1.48	-22.00	53.81	
10:39	1.2		7.02	555.00	19.14	0.93	-27.40	33.67	
10:42	1.5		7.03	554.50	19.22	0.70	-30.60	20.04	
10:45	1.7		7.02	554.40	19.33	0.62	-32.70	14.62	
10:48	2.0		7.02	554.40	19.38	0.56	-34.60	12.35	
10:51	2.3		7.02	554.10	19.38	0.52	-36.20	9.48	
10:54	2.5		7.02	554.80	19.43	0.49	-37.40	7.28	

Sampling Activities

Sampled By: BG — Sample Date/Time: 10/17/2024 10:54
Sample Method: Low Flow — Sample Equipment: Bladder Pump
Sample Parameters: 7.02 pH — 554.80 Spec. Cond. — 19.43 Temp
Field Filtered: No — Filter Type:
Water Level: 11.03 feet below TOC — Drawdown: 0.25 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 223357

Form Completed By: Brett Gillihan — **Date:** 10/17/2024

Field Data Sheet

Project Name:	BAL-24Q4	**Monitoring Point:**	XPW05
Project Location:	Baldwin, Illinois	**Sample ID:**	047
W.O. Number (s):	24100001	**Date (s):**	10/17/2024

Field Team Members

Name: Brett Gillihan — Affiliation: TekLab, Inc.
Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 56 °F — Wind Direction: ☑ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/17/2024 11:05

Static Water Level: 4.94 feet below TOC
Total Depth: 31.15 feet below TOC
Water Column: 26.21 feet

Purging Activities

Purged By: BG — Purge Date: 10/17/2024
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): 26.206 ft. x 0.022 = 0.58 L x 3 Vol. = 1.74 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 2.50 L
Physical appearance of purge water: Slightly cloudy — Odor: Slight — Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:05	0.0	96	purge start time						
11:19	1.4	↓	7.55	709.60	18.41	0.43	-112.80	25.55	
11:22	1.7		7.62	704.40	18.42	0.35	-121.60	17.36	
11:25	2.0		7.65	701.50	18.45	0.31	-126.90	12.81	
11:28	2.3		7.67	699.90	18.51	0.29	-128.90	10.54	
11:31	2.5		7.67	699.40	18.52	0.27	-130.90	9.05	

Sampling Activities

Sampled By: BG — Sample Date/Time: 10/17/2024 11:31
Sample Method: Low Flow — Sample Equipment: Bladder Pump
Sample Parameters: 7.67 pH — 699.40 Spec. Cond. — 18.52 Temp
Field Filtered: No — Filter Type:
Water Level: 5.24 feet below TOC — Drawdown: 0.30 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 223357

Form Completed By: Brett Gillihan — **Date:** 10/17/2024

Field Data Sheet

Project Name:	BAL-24Q4	**Monitoring Point:**	XPW06
Project Location:	Baldwin, Illinois	**Sample ID:**	048
W.O. Number (s):	24100001	**Date (s):**	10/17/2024

Field Team Members

Name: Brett Gillihan — Affiliation: TekLab, Inc.
Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 45 °F — Wind Direction: ☑ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/17/2024 10:01

Static Water Level: 2.54 feet below TOC
Total Depth: 9.66 feet below TOC
Water Column: 7.12 feet

Purging Activities

Purged By: BG — Purge Date: 10/17/2024
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): 7.115 ft. x 0.022 = 0.16 L x 3 Vol. = 0.48 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 2.00 L
Physical appearance of purge water: Clear — Odor: None — Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:01	0.0	118	purge start time						
10:09	0.9	↓	7.16	931.50	17.38	3.20	-61.10	8.00	
10:12	1.3		7.24	889.90	18.02	1.53	-84.00	8.52	
10:15	1.6		7.31	849.70	18.55	0.89	-99.10	5.65	
10:18	2.0		7.36	819.90	18.66	0.60	-104.80	4.77	

Sampling Activities

Sampled By: BG — Sample Date/Time: 10/17/2024 10:18
Sample Method: Low Flow — Sample Equipment: Bladder Pump
Sample Parameters: 7.36 pH — 819.90 Spec. Cond. — 18.66 Temp
Field Filtered: No — Filter Type:
Water Level: 2.59 feet below TOC — Drawdown: 0.05 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 223357

Form Completed By: Brett Gillihan — **Date:** 10/17/2024

Field Data Sheet

Project Name:	BAL-24Q4	**Monitoring Point:**	Field Blank
Project Location:	Baldwin, Illinois	**Sample ID:**	049
W.O. Number (s):	24100001	**Date (s):**	10/17/2024

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Affiliation:

Weather Conditions

Temp: 52 °F Wind Direction: ☑ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	
Casing	
Protective Casing	
Reference Mark/Identification	

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured:
Static Water Level: feet below TOC
Total Depth: - feet below TOC
Water Column: feet

Purging Activities

Purged By: Purge Date:
Purge Method: Direct Grab Well Diameter:
Purge Volume Calculation (L): *Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): L
Physical appearance of purge water: Odor: Color:

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
	0.0		purge start time						

Sampling Activities

Sampled By: TC Sample Date/Time: 10/17/2024 13:08
Sample Method: Direct Sample Sample Equipment: Direct Grab
Sample Parameters: pH Spec. Cond. Temp
Field Filtered: Filter Type:
Water Level: feet below TOC Drawdown: feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 46868

Form Completed By: Justin Colp **Date:** 10/17/2024

Field Data Sheet

Project Name:	BAL-24Q4	**Monitoring Point:**	MW-304 Duplicate
Project Location:	Baldwin, Illinois	**Sample ID:**	050
W.O. Number (s):	24100001	**Date (s):**	10/16/2024

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.
Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 40 °F — Wind Direction: ☐ N ☑ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

		Locks	Yes	No
Well Pad	Good			
Casing	Good	Protective Casing		X
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 10/16/2024 8:58
Static Water Level: 9.54 feet below TOC
Total Depth: 57.50 feet below TOC
Water Column: 47.96 feet

Purging Activities

Purged By: JC — Purge Date: 10/16/2024
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): 47.96 ft. x 0.022 = 1.06 L x 3 Vol. = 3.18 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 6.00 L
Physical appearance of purge water: Clear — Odor: None — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:05	0.0	214	purge start time						
9:12	1.5	↓	7.65	2,611.60	15.46	2.75	-66.00	1.62	
9:15	2.1		7.66	2,605.30	15.34	2.04	-57.70	1.71	
9:18	2.8		7.66	2,597.00	15.32	1.72	-51.90	2.00	
9:21	3.4		7.65	2,588.70	15.35	1.52	-47.50	2.01	
9:24	4.1		7.64	2,579.10	15.30	1.39	-43.50	2.48	
9:27	4.7		7.60	2,567.20	15.28	1.27	-39.50	3.91	
9:30	5.4		7.56	2,553.70	15.29	1.26	-35.50	5.23	
9:33	6.0		7.54	2,541.30	15.29	1.24	-32.10	6.32	

Sampling Activities

Sampled By: JC — Sample Date/Time: 10/16/2024 9:33
Sample Method: Low Flow — Sample Equipment: Bladder Pump
Sample Parameters: 7.54 pH — 2,541.30 Spec. Cond. — 15.29 Temp
Field Filtered: Yes — Filter Type: In-Line Disposable
Water Level: 16.00 feet below TOC — Drawdown: 6.46 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 43918

Form Completed By: Justin Colp — **Date:** 10/16/2024

Field Data Sheet

Project Name:	BAL-24Q4	**Monitoring Point:**	PZ-178 Duplicate
Project Location:	Baldwin, Illinois	**Sample ID:**	051
W.O. Number (s):	24100001	**Date (s):**	10/15/2024

Field Team Members

Name: Tracy Carroll — Affiliation: TekLab, Inc.
Name: — Affiliation:

Weather Conditions

Temp: 53 °F — Wind Direction: ☐ N ☑ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/15/2024 13:59

Static Water Level: 9.78 feet below TOC
Total Depth: 45.71 feet below TOC
Water Column: 35.93 feet

Purging Activities

Purged By: TC — Purge Date: 10/15/2024
Purge Method: Peristaltic Pump — Well Diameter: 2"
Purge Volume Calculation (L): 35.93 ft. x 0.022 = 0.79 L x 3 Vol. = 2.37 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 5.00 L
Physical appearance of purge water: Clear — Odor: None — Color: None

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
14:00	0.0	161	purge start time						
14:19	3.1	↓	6.79	584.90	16.06	1.18	-66.10	162.55	
14:22	3.5		6.79	583.40	15.79	1.11	-62.70	178.17	
14:25	4.0		6.79	583.10	15.64	0.99	-58.50	80.95	
14:28	4.5		6.80	580.20	16.12	0.96	-56.50	91.89	
14:31	5.0		6.80	583.10	16.19	0.93	-54.50	97.76	

Sampling Activities

Sampled By: TC — Sample Date/Time: 10/15/2024 14:31
Sample Method: Low Flow — Sample Equipment: Peristaltic Pump
Sample Parameters: 6.80 pH — 583.10 Spec. Cond. — 16.19 Temp
Field Filtered: Yes — Filter Type: In-Line Disposable
Water Level: 16.21 feet below TOC — Drawdown: 6.43 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 46868

Form Completed By: Tracy Carroll — **Date:** 10/15/2024

Field Data Sheet

Project Name:	BAL-24Q4	**Monitoring Point:**	Equipment Blank 1
Project Location:	Baldwin, Illinois	**Sample ID:**	052
W.O. Number (s):	24100001	**Date (s):**	10/17/2024

Field Team Members

Name: _____ Affiliation: TekLab, Inc.

Name: _____ Affiliation: _____

Weather Conditions

Temp: 53 °F Wind Direction: ☐ N ☑ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad _____
Casing _____
Protective Casing _____
Reference Mark/Identification _____

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: _____

Static Water Level: _____ feet below TOC
Total Depth: - feet below TOC
Water Column: _____ feet

Purging Activities

Purged By: _____ Purge Date: _____
Purge Method: Direct Grab Well Diameter: _____
Purge Volume Calculation (L): _____ **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): L
Physical appearance of purge water: _____ Odor: _____ Color: _____

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
	0.0		purge start time						
		↓							

Sampling Activities

Sampled By: JC Sample Date/Time: 10/17/2024 13:31
Sample Method: Direct Sample Sample Equipment: Direct Grab
Sample Parameters: _____ pH _____ Spec. Cond. _____ Temp
Field Filtered: _____ Filter Type: _____
Water Level: _____ feet below TOC Drawdown: _____ feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 43918
- Collected from non-dedicated submersible pump

Form Completed By: _____ **Date:** 10/17/2024

Site Samping Event: BAL-24Q4
LIMS Workorder: 24100001
Technician(s): DC, JC, TC, BG

Field Calibration Log(s)
Baldwin- 4Q 2024

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 43918 Technician(s): justin colp Date: 10/14/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc240612a	4.00	10/14/24 8:51
7.0 Buffer	wc240913b	7.00	10/14/24 8:46
10.0 Buffer	wc240625b	10.00	10/14/24 8:55
LCS/CCV (7.0 Buffer)	wc240913c		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	100029	1412	10/14/24 9:00

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.31	10/14/24 9:00
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-1-JC	LCS	10/14/24 9:02	15.4	6.98	1,410	0.33		
CCV-1-JC	CCV	10/14/24 14:25	21.6	7.04	1,424	0.37		

Comments:

Field Meter ID: Pine 43918 Technician(s): justin colp Date: 10/15/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc240612a	4.00	10/15/24 8:47
7.0 Buffer	wc240913b	7.00	10/15/24 8:41
10.0 Buffer	wc240625b	10.00	10/15/24 8:51
LCS/CCV (7.0 Buffer)	wc240913c		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	100029	1412	10/15/24 8:55

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.41	10/15/24 8:55
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-2-JC	LCS	10/15/24 8:59	15.1	7.01	1,408	0.42		
CCV-2-JC	CCV	10/15/24 15:31	18.5	7.02	1,420	0.34		

Comments:

Site Samping Event: BAL-24Q4
LIMS Workorder: 24100001
Technician(s): DC, JC, TC, BG

Field Calibration Log(s)
Baldwin- 4Q 2024

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 43918 Technician(s): justin colp Date: 10/16/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc240612a	4.00	10/16/24 8:40
7.0 Buffer	wc240913b	7.00	10/16/24 8:35
10.0 Buffer	wc240625b	10.00	10/16/24 8:44
LCS/CCV (7.0 Buffer)	wc240913c		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	100029	1412	10/16/24 8:51

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.41	10/16/24 8:52
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-3-JC	LCS	10/16/24 8:58	7.3	7.03	1,414	0.45		
CCV-3-JC	CCV	10/16/24 15:05	16.3	7.03	1,425	0.47		

Comments:

Site Samping Event: BAL-24Q4
LIMS Workorder: 24100001
Technician(s): DC, JC, TC, BG

Field Calibration Log(s)
Baldwin- 4Q 2024

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 223357 Technician(s): Brett Gillihan Date: 10/17/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC240612A	3.99	10/17/24 9:00
7.0 Buffer	WC240913B	7.00	10/17/24 8:58
10.0 Buffer	WC240625B	9.99	10/17/24 9:03
LCS/CCV (7.0 Buffer)	WC240913C		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	100029	1418	10/17/24 9:07

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.8	10/17/24 9:10
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-1-BG	LCS	10/17/24 9:10	18.8	7.00	1,418	1.8		
CCV-1-BG	CCV	10/17/24 13:04	22.5	6.99	1,418	1.8		

Comments:

Site Samping Event: BAL-24Q4
LIMS Workorder: 24100001
Technician(s): DC, JC, TC, BG

Field Calibration Log(s)
Baldwin- 4Q 2024

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 46868 Technician(s): Tracy Carroll Date: 10/15/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC240612A	4.00	10/15/24 9:40
7.0 Buffer	WC240913B	7.00	10/15/24 9:34
10.0 Buffer	WC240625B	10.00	10/15/24 9:45
LCS/CCV (7.0 Buffer)	WC240913C		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	100029	1412	10/15/24 9:56

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1		
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-1-TC	LCS	10/15/24 9:46	14.2	7.00	1,410	1.26		
CCV-1-TC	CCV	10/15/24 14:53	17.5	7.00	1,418	0.88		

Comments:

Field Meter ID: Pine 46868 Technician(s): Tracy Carroll Date: 10/16/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC240612A	4.00	10/16/24 9:16
7.0 Buffer	WC240913B	7.00	10/16/24 9:10
10.0 Buffer	WC240625B	10.00	10/16/24 9:20
LCS/CCV (7.0 Buffer)	WC240913C		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	100029	1412	10/16/24 9:20

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1		
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-2-TC	LCS	10/16/24 9:20	9.2	7.08	1,418	0.88		
CCV-2-TC	CCV	10/16/24 15:04	19.7	7.09	1,422	0.99		

Comments:

Site Samping Event: BAL-24Q4
LIMS Workorder: 24100001
Technician(s): DC, JC, TC, BG

Field Calibration Log(s)
Baldwin- 4Q 2024

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 46868 Technician(s): Tracy Carroll Date: 10/17/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC240612A	4.00	10/17/24 9:08
7.0 Buffer	WC240913B	7.00	10/17/24 9:06
10.0 Buffer	WC240625B	10.00	10/17/24 9:09
LCS/CCV (7.0 Buffer)	WC240913C		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	100029	1412	10/17/24 9:14

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1		
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-3-TC	LCS	10/17/24 9:16	9.3	7.06	1,413	1.02		
CCV-3-TC	CCV	10/17/24 15:04	15.6	7.08	1,444	0.99		

Comments:

Site Samping Event: BAL-24Q4
LIMS Workorder: 24100001
Technician(s): DC, JC, TC, BG

Field Calibration Log(s)
Baldwin- 4Q 2024

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 210760 Technician(s): Brett Gillihan Date: 11/1/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC240612A	3.99	11/1/24 9:41
7.0 Buffer	WC240913B	7.00	11/1/24 9:40
10.0 Buffer	WC240625B	10.01	11/1/24 9:41
LCS/CCV (7.0 Buffer)	WC240913C		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	100029	1418	11/1/24 9:41

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.6	11/1/24 9:41
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-1-BG-2	LCS	11/1/24 9:42	18.5	7.00	1,418	1.6		
CCV-1-BG-2	CCV	11/1/24 12:15	20	7.01	1,418	1.6		

Comments:

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC
797 Cromwell Park Dr.
Suite Q
Glen Burnie, MD 21061

Pine Environmental Services, Inc.

Instrument ID 43918
Description YSI Pro DSS
Calibrated 9/30/2024 12:11:47PM

Group # 5
Group Name Disolved Oxygen Span
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.0

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
100.0 / 100.0	%	100.0	%	96.6	100.0	0.00%	Pass

Test Instruments Used During the Calibration (As Of Cal Entry Date)

Test Standard ID	Description	Manufacturer	Model Number	Serial Number / Lot Number	Last Cal Date/ Opened Date	Next Cal Date / Expiration Date
MD COND 1.413 3GH1514	CA 1.413 COND (LOT# 4GB0749	GFS	31986	1.413 COND (LOT# 4GB0749		2/5/2025
MD ORP 240 4GE1370	MD ORP 240 4GE1370	AquaPhoenix Scientific	32001	4GE1370	6/24/2024	2/28/2025
MD PH10 2GI302	MD PH10 2GI302	AquaPhoenix Scientific	32034	2GI302		9/30/2024
MD PH4 3GI0465	MD PH4 3GI0465	AquaPhoenix Scientific	32017	3GI0465		9/30/2025
MD PH7 2GI0389	MD PH7 2GI0389	AquaPhoenix Scientific	32025	3GI0389	12/20/2024	9/30/2025
MD TURB 0 NTU 24007124	MD TURB 0 NTU 24007124	AMCOCLEAR	8483	24007124	2/1/2024	12/31/2024

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated Chuck Wallace

All instruments are calibrated by Pine Environmental Services LLC according to the manufacturer's specifications, but it is the customer's responsibility to calibrate and maintain this unit in accordance with the manufacturer's specifications and/or the customer's own specific needs.

Notify Pine Environmental Services LLC of any defect within 24 hours of receipt of equipment
Please call 800-301-9663 for Technical Assistance

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC
797 Cromwell Park Dr.
Suite Q
Glen Burnie, MD 21061

Pine Environmental Services, Inc.

Instrument ID 43918
Description YSI Pro DSS
Calibrated 9/30/2024 12:11:47PM

Manufacturer YSI
Model Number Pro DSS
Serial Number/ Lot Number 18K101874
Location Maryland
Department

State Certified
Status Pass
Temp °C 23
Humidity % 69

Calibration Specifications

Group # 1
Group Name PH
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
7.00 / 7.00	PH	7.00	PH	6.90	7.00	0.00%	Pass
4.00 / 4.00	PH	4.00	PH	3.94	4.00	0.00%	Pass
10.00 / 10.00	PH	10.00	PH	10.03	10.00	0.00%	Pass

Group # 2
Group Name Turbidity
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
0.00 / 0.00	FNU	0.00	FNU	0.70	0.00	0.00%	Pass
124.00 / 124.00	FNU	124.00	FNU	130.54	124.00	0.00%	Pass

Group # 3
Group Name Conductivity
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.000

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
1.413 / 1.413	ms/cm	1.413	ms/cm	1.323	1.413	0.00%	Pass

Group # 4
Group Name Redox (ORP)
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
240.00 / 240.00	mv	240.00	mv	247.60	240.00	0.00%	Pass

Group # 5
Group Name Disolved Oxygen Span
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.0

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

92 North Main St, Building 20
Windsor, NJ 08561
Toll-free: (800) 301-9663

Pine Environmental Services, Inc.

Instrument ID 46868
Description YSI Pro DSS Sonde
Calibrated 9/26/2024 8:31:10AM

Group # 5
Group Name Dissolved Oxygen Span
Stated Accy Pct of Reading

Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
100.00 / 100.00	%	100.00	%	99.10	100.30	0.30%	Pass

Test Instruments Used During the Calibration (As Of Cal Entry Date)

Test Standard ID	Description	Manufacturer	Model Number	Serial Number / Lot Number	Last Cal Date/ Opened Date	Next Cal Date / Expiration Date
NJ COND 1413: 4GC1194	1413 conductivity standard	AquaPhoenix Scientific	CS1413	4GC1194	5/20/2024	3/31/2025
NJ ORP 240MV: 4GD1716	ORP solution 240mv	AquaPhoenix Scientific	ORP 240mV	4GD1716	5/30/2024	1/31/2025
NJ PH 10: 4GC0600	BUFFER, PH10 BLUE	AquaPhoenix Scientific	PH10	4GC0600	5/23/2024	3/31/2026
NJ PH 4: 4GC0528	BUFFER, PH4 RED	AquaPhoenix Scientific	BU5004	4GC0528	5/23/2024	3/31/2026
NJ PH 7: 4GC0526	BUFFER, PH7 YELLOW	AquaPhoenix Scientific	BU5007	4GC0526	5/20/2024	3/31/2026
NJ TURB 0.0 NTU: 24010121	0.0 NTU STANDARD	GFS	8483	24010121	5/15/2024	3/31/2025
NJ TURB 124 NTU LOT: 24011758	124 NTU STANDARD	GFS	8172	24011758	5/24/2024	5/31/2025

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated James Stelle

All instruments are calibrated by Pine Environmental Services LLC according to the manufacturer's specifications, but it is the customer's responsibility to calibrate and maintain this unit in accordance with the manufacturer's specifications and/or the customer's own specific needs.

Notify Pine Environmental Services LLC of any defect within 24 hours of receipt of equipment
Please call 800-301-9663 for Technical Assistance

Pine Environmental Services LLC
92 North Main Street, Building 20
Windsor, NJ 08561
Toll-free: (800) 301-9663

Pine Environmental Services, Inc.

Instrument ID 46868
Description YSI Pro DSS Sonde
Calibrated 9/26/2024 8:31:10AM

Manufacturer YSI
Model Number Pro DSS
Serial Number/ Lot Number 19K103392
Location New Jersey
Department

State Certified
Status Pass
Temp °C 22.5
Humidity % 62

Calibration Specifications

Group # 1
Group Name PH
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
7.00 / 7.00	PH	7.00	PH	7.11	7.02	0.29%	Pass
4.00 / 4.00	PH	4.00	PH	4.09	4.00	0.00%	Pass
10.00 / 10.00	PH	10.00	PH	9.84	10.03	0.30%	Pass

Group # 2
Group Name Turbidity (NTU)
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
0.00 / 0.00	NTU	0.00	NTU	4.20	0.00	0.00%	Pass
124.00 / 124.00	NTU	124.00	NTU	117.70	124.00	0.00%	Pass

Group # 3
Group Name Conductivity
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.000

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
1.413 / 1.413	ms/cm	1.413	ms/cm	1.453	1.413	0.00%	Pass

Group # 4
Group Name Redox (ORP)
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
240.00 / 240.00	mv	240.00	mv	235.80	240.00	0.00%	Pass

Group # 5
Group Name Dissolved Oxygen Span
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC
11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 210760
Description YSI Pro DSS Sonde
Calibrated 10/24/2024 5:28:01PM

Manufacturer YSI
Model Number Pro DSS
Serial Number/ Lot Number 22C103125
Location St. Louis
Department

State Certified
Status Pass
Temp °C 22.2
Humidity % 43

Calibration Specifications

Group # 1
Group Name PH
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
7.00 / 7.00	PH	7.00	PH	7.20	7.00	0.00%	Pass
4.00 / 4.00	PH	4.00	PH	4.14	4.00	0.00%	Pass
10.00 / 10.00	PH	10.00	PH	10.10	10.00	0.00%	Pass

Group # 2
Group Name Turbidity
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
0.00 / 0.00	NTU	0.00	NTU	0.16	0.00	0.00%	Pass
124.00 / 124.00	NTU	124.00	NTU	135.47	124.00	0.00%	Pass

Group # 3
Group Name Conductivity
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.000

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
1.413 / 1.413	ms/cm	1.413	ms/cm	1.484	1.413	0.00%	Pass

Group # 4
Group Name Redox (ORP)
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
240.00 / 240.00	mv	240.00	mv	235.60	240.00	0.00%	Pass

Group # 5
Group Name Dissolved Oxygen Span
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC
11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 210760
Description YSI Pro DSS Sonde
Calibrated 10/24/2024 5:28:01PM

Group # 5
Group Name Dissolved Oxygen Span
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
100.00 / 100.00	%	100.00	%	98.90	100.00	0.00%	Pass

Test Instruments Used During the Calibration (As Of Cal Entry Date)

Test Standard ID	Description	Manufacturer	Model Number	Serial Number / Lot Number	Last Cal Date/ Opened Date	Next Cal Date / Expiration Date
STL 1413 COND L#4GB0749	STL 1413 COND L#4GB0749	AquaPhoenix Scientific	31986	4GB0749		2/25/2025
STL ORP SOLUTION 240MV L#4GG0438	STL ORP SOLUTION 240MV L#4GG0438	AquaPhoenix Scientific	ORP Solution	4GG0438		4/25/2025
STL PH10 #4GB0253	STL PH10 #4GB0253	Absolute Accuracy	PH 10	4GB0253		2/25/2026
STL PH4 L#4GB0637	STL pH4 L#4GB0637	AquaPhoenix Scientific	pH 4	4GB0637		2/25/2026
STL PH7 L#4GG1129	STL PH7 L#4GG1129	AquaPhoenix Scientific	PH7	4GG1129		7/25/2026

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated Austin Carter

All instruments are calibrated by Pine Environmental Services LLC according to the manufacturer's specifications, but it is the customer's responsibility to calibrate and maintain this unit in accordance with the manufacturer's specifications and/or the customer's own specific needs.

Notify Pine Environmental Services LLC of any defect within 24 hours of receipt of equipment
Please call 800-301-9663 for Technical Assistance

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

10521 Research Drive
Suite 102
Knoxville, TN 37932
Toll-free: (865) 777-1418

Pine Environmental Services, Inc.

Instrument ID 223357
Description YSI Pro DSS Sonde
Calibrated 9/26/2024 10:44:47AM

Group # 5
Group Name Dissolved Oxygen Span
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
100.00 / 100.00	%	100.00	%	99.10	100.00	0.00%	Pass

Test Instruments Used During the Calibration (As Of Cal Entry Date)

Test Standard ID	Description	Manufacturer	Model Number	Serial Number / Lot Number	Last Cal Date/ Opened Date	Next Cal Date / Expiration Date
TN 1.413 3GL1056	TN 1.413 3GL1056	AquaPhoenix Scientific	31986	3GL1056		12/21/2024
TN 126 TURB NTU	TN TURB 126 NTU	YSI	607300	24G24012705		7/30/2025
TN AUTOCAL 24010121	TN AUTOCAL 24010121	GFS	8483	24010121		4/29/2025
TN ORP 4GD1716	TN ORP 4GD1716	AquaPhoenix Scientific	32001	4GD1716		1/1/2025
TN PH10 2GJ290	TN PH10 2GJ290	AquaPhoenix Scientific	32034	2GJ290		10/21/2024
TN PH4 3GL0108	TN PH4 3GL0108	AquaPhoenix Scientific	32017	3GL0108		12/21/2024
TN PH7 4GA0071	TN PH7 4GA0071	AquaPhoenix Scientific	32025	4GA0071		1/25/2025

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated Justin C. Moore

All instruments are calibrated by Pine Environmental Services LLC according to the manufacturer's specifications, but it is the customer's responsibility to calibrate and maintain this unit in accordance with the manufacturer's specifications and/or the customer's own specific needs.

Notify Pine Environmental Services LLC of any defect within 24 hours of receipt of equipment
Please call 800-301-9663 for Technical Assistance

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC
10521 Research Drive
Suite 102
Knoxville, TN 37932
Toll-free: (865) 777-1418

Pine Environmental Services, Inc.

Instrument ID 223357
Description YSI Pro DSS Sonde
Calibrated 9/26/2024 10:44:47AM

Manufacturer YSI
Model Number Pro DSS
Serial Number/ Lot Number 24b105093
Location Tennessee
Department

State Certified
Status Pass
Temp °C 73
Humidity % 64

Calibration Specifications

Group # 1
Group Name PH
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
7.00 / 7.00	PH	7.00	PH	6.99	7.00	0.00%	Pass
4.00 / 4.00	PH	4.00	PH	4.12	4.00	0.00%	Pass
10.00 / 10.00	PH	10.00	PH	9.97	10.00	0.00%	Pass

Group # 2
Group Name Turbidity
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
0.00 / 0.00	NTU	0.00	NTU	0.81	0.00	0.00%	Pass
124.00 / 124.00	NTU	124.00	NTU	119.56	124.00	0.00%	Pass

Group # 3
Group Name Conductivity
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.000

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
1.413 / 1.413	ms/cm	1.413	ms/cm	1.421	1.413	0.00%	Pass

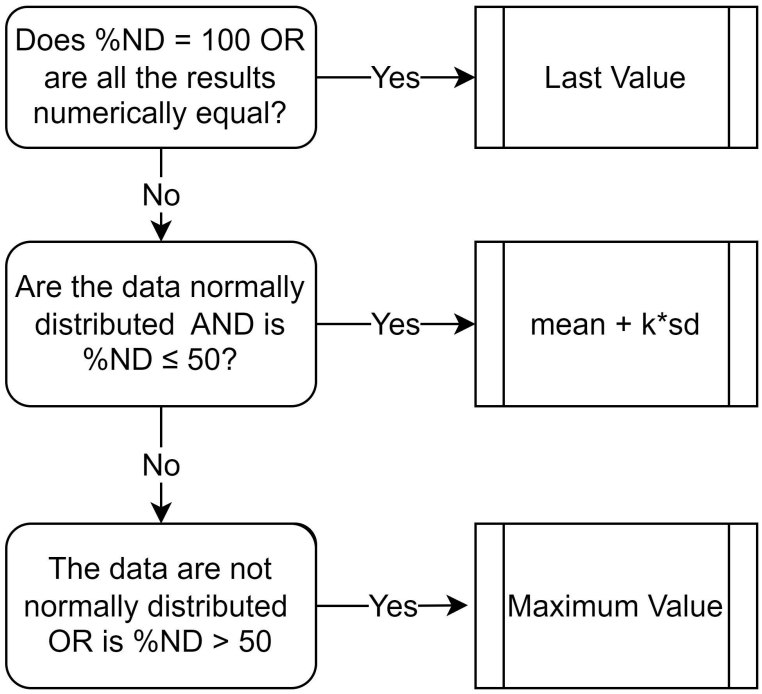
Group # 4
Group Name Redox (ORP)
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
240.00 / 240.00	mv	240.00	mv	217.50	240.00	0.00%	Pass

Group # 5
Group Name Dissolved Oxygen Span
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

APPENDIX B
STATISTICAL METHODOLOGY FOR DETERMINATION OF BACKGROUND VALUES

Notes
%ND = Percent non-detected samples sd = standard deviation k = kappa for tolerance limit (95% confidence/95% coverage)



APPENDIX C1
BACKGROUND UPDATE SUPPORTING INFORMATION

APPENDIX C1
BACKGROUND UPDATE SUPPORTING INFORMATION
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Parameter	Statistic	Previous	New
Antimony, total	Sample Count	24	18
	Percent Non-Detect	71	83
	Date Range	10/26/2022 - 05/23/2023	10/26/2022 - 08/07/2023
	Data Normality	Non-Normal	Non-Normal
	Trend	No Trend	No Trend
Arsenic, total	Sample Count	24	18
	Percent Non-Detect	12	11
	Date Range	10/26/2022 - 05/23/2023	10/26/2022 - 08/07/2023
	Data Normality	Log Normal	Normal
	Trend	No Trend	No Trend
Barium, total	Sample Count	24	18
	Percent Non-Detect	0	0
	Date Range	10/26/2022 - 05/23/2023	10/26/2022 - 08/07/2023
	Data Normality	Non-Normal	Non-Normal
	Trend	No Trend	No Trend
Beryllium, total	Sample Count	24	18
	Percent Non-Detect	100	100
	Date Range	10/26/2022 - 05/23/2023	10/26/2022 - 08/07/2023
	Data Normality	Non-Normal	Non-Normal
	Trend	Downward	No Trend
Cadmium, total	Sample Count	24	18
	Percent Non-Detect	100	100
	Date Range	10/26/2022 - 05/23/2023	10/26/2022 - 08/07/2023
	Data Normality	Non-Normal	Non-Normal
	Trend	Upward	No Trend
Chromium, total	Sample Count	24	18
	Percent Non-Detect	88	83
	Date Range	10/26/2022 - 05/23/2023	10/26/2022 - 08/07/2023
	Data Normality	Non-Normal	Non-Normal
	Trend	No Trend	No Trend
Cobalt, total	Sample Count	24	18
	Percent Non-Detect	92	89
	Date Range	10/26/2022 - 05/23/2023	10/26/2022 - 08/07/2023
	Data Normality	Non-Normal	Non-Normal
	Trend	No Trend	No Trend
Fluoride, total	Sample Count	24	18
	Percent Non-Detect	0	0
	Date Range	10/26/2022 - 05/23/2023	10/26/2022 - 08/07/2023
	Data Normality	Normal	Non-Normal
	Trend	No Trend	No Trend
Lead, total	Sample Count	24	18
	Percent Non-Detect	96	94
	Date Range	10/26/2022 - 05/23/2023	10/26/2022 - 08/07/2023
	Data Normality	Non-Normal	Non-Normal
	Trend	No Trend	No Trend
Lithium, total	Sample Count	24	18

APPENDIX C1
BACKGROUND UPDATE SUPPORTING INFORMATION
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Parameter	Statistic	Previous	New
	Percent Non-Detect	0	0
	Date Range	10/26/2022 - 05/23/2023	10/26/2022 - 08/07/2023
	Data Normality	Normal	Normal
	Trend	No Trend	No Trend
Mercury, total	Sample Count	24	18
	Percent Non-Detect	100	100
	Date Range	10/26/2022 - 05/23/2023	10/26/2022 - 08/07/2023
	Data Normality	Non-Normal	Non-Normal
	Trend	No Trend	No Trend
Molybdenum, total	Sample Count	24	18
	Percent Non-Detect	33	50
	Date Range	10/26/2022 - 05/23/2023	10/26/2022 - 08/07/2023
	Data Normality	Non-Normal	Non-Normal
	Trend	No Trend	No Trend
Radium 226 + Radium 228, total	Sample Count	24	18
	Percent Non-Detect	0	0
	Date Range	10/26/2022 - 05/23/2023	10/26/2022 - 08/07/2023
	Data Normality	Log Normal	Log Normal
	Trend	No Trend	No Trend
Selenium, total	Sample Count	24	18
	Percent Non-Detect	96	94
	Date Range	10/26/2022 - 05/23/2023	10/26/2022 - 08/07/2023
	Data Normality	Non-Normal	Non-Normal
	Trend	No Trend	No Trend
Thallium, total	Sample Count	24	18
	Percent Non-Detect	100	100
	Date Range	10/26/2022 - 05/23/2023	10/26/2022 - 08/07/2023
	Data Normality	Non-Normal	Non-Normal
	Trend	No Trend	No Trend

Notes:
One background well (MW-306, abandoned in 2024) was removed from the monitoring system in 2024.

APPENDIX C2
ANALYTICAL RESULTS USED IN BACKGROUND CALCULATIONS

APPENDIX C2
ANALYTICAL RESULTS USED IN BACKGROUND CALCULATIONS
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	Date	Parameter	Unit	Result
MW-304	10/26/2022	Antimony, total	mg/L	0.0004 U
MW-304	11/17/2022	Antimony, total	mg/L	0.0004 U
MW-304	12/14/2022	Antimony, total	mg/L	0.0004 U
MW-304	01/11/2023	Antimony, total	mg/L	0.0004 U
MW-304	02/20/2023	Antimony, total	mg/L	0.0004 U
MW-304	03/15/2023	Antimony, total	mg/L	0.0004 U
MW-304	04/04/2023	Antimony, total	mg/L	0.0004 U
MW-304	05/22/2023	Antimony, total	mg/L	0.0006 J
MW-304	08/03/2023	Antimony, total	mg/L	0.0004 U
MW-304	10/26/2022	Arsenic, total	mg/L	0.00270
MW-304	11/17/2022	Arsenic, total	mg/L	0.00330
MW-304	12/14/2022	Arsenic, total	mg/L	0.00300
MW-304	01/11/2023	Arsenic, total	mg/L	0.00270
MW-304	02/20/2023	Arsenic, total	mg/L	0.00300
MW-304	03/15/2023	Arsenic, total	mg/L	0.00340
MW-304	04/04/2023	Arsenic, total	mg/L	0.00510
MW-304	05/22/2023	Arsenic, total	mg/L	0.0087 U
MW-304	08/03/2023	Arsenic, total	mg/L	0.00220
MW-304	10/26/2022	Barium, total	mg/L	0.0186
MW-304	11/17/2022	Barium, total	mg/L	0.0209
MW-304	12/14/2022	Barium, total	mg/L	0.0191
MW-304	01/11/2023	Barium, total	mg/L	0.0173
MW-304	02/20/2023	Barium, total	mg/L	0.0216
MW-304	03/15/2023	Barium, total	mg/L	0.0206
MW-304	04/04/2023	Barium, total	mg/L	0.0324
MW-304	05/22/2023	Barium, total	mg/L	0.0199
MW-304	08/03/2023	Barium, total	mg/L	0.0201
MW-304	10/26/2022	Beryllium, total	mg/L	0.0002 U
MW-304	11/17/2022	Beryllium, total	mg/L	0.0002 U
MW-304	12/14/2022	Beryllium, total	mg/L	0.0002 U
MW-304	01/11/2023	Beryllium, total	mg/L	0.0002 U
MW-304	02/20/2023	Beryllium, total	mg/L	0.0002 U
MW-304	03/15/2023	Beryllium, total	mg/L	0.0002 U
MW-304	04/04/2023	Beryllium, total	mg/L	0.0002 U
MW-304	05/22/2023	Beryllium, total	mg/L	0.0002 U
MW-304	08/03/2023	Beryllium, total	mg/L	0.0002 U
MW-304	10/26/2022	Cadmium, total	mg/L	0.0002 U
MW-304	11/17/2022	Cadmium, total	mg/L	0.0002 U
MW-304	12/14/2022	Cadmium, total	mg/L	0.0002 U
MW-304	01/11/2023	Cadmium, total	mg/L	0.0002 U
MW-304	02/20/2023	Cadmium, total	mg/L	0.0002 U
MW-304	03/15/2023	Cadmium, total	mg/L	0.0002 U
MW-304	04/04/2023	Cadmium, total	mg/L	0.0002 U
MW-304	05/22/2023	Cadmium, total	mg/L	0.0005 U
MW-304	08/03/2023	Cadmium, total	mg/L	0.0002 U
MW-304	10/26/2022	Chromium, total	mg/L	0.0007 U

APPENDIX C2
ANALYTICAL RESULTS USED IN BACKGROUND CALCULATIONS
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	Date	Parameter	Unit	Result
MW-304	11/17/2022	Chromium, total	mg/L	0.0007 U
MW-304	12/14/2022	Chromium, total	mg/L	0.0007 U
MW-304	01/11/2023	Chromium, total	mg/L	0.0007 U
MW-304	02/20/2023	Chromium, total	mg/L	0.0007 U
MW-304	03/15/2023	Chromium, total	mg/L	0.0007 U
MW-304	04/04/2023	Chromium, total	mg/L	0.0007 U
MW-304	05/22/2023	Chromium, total	mg/L	0.0028 U
MW-304	08/03/2023	Chromium, total	mg/L	0.0007 U
MW-304	10/26/2022	Cobalt, total	mg/L	0.0001 U
MW-304	11/17/2022	Cobalt, total	mg/L	0.0001 U
MW-304	12/14/2022	Cobalt, total	mg/L	0.0001 U
MW-304	01/11/2023	Cobalt, total	mg/L	0.0001 U
MW-304	02/20/2023	Cobalt, total	mg/L	0.0001 U
MW-304	03/15/2023	Cobalt, total	mg/L	0.0001 U
MW-304	04/04/2023	Cobalt, total	mg/L	0.0001 U
MW-304	05/22/2023	Cobalt, total	mg/L	0.0001 U
MW-304	08/03/2023	Cobalt, total	mg/L	0.0001 U
MW-304	10/26/2022	Fluoride, total	mg/L	1.72
MW-304	11/17/2022	Fluoride, total	mg/L	1.70
MW-304	12/14/2022	Fluoride, total	mg/L	1.82
MW-304	01/11/2023	Fluoride, total	mg/L	1.68
MW-304	02/20/2023	Fluoride, total	mg/L	1.67
MW-304	03/15/2023	Fluoride, total	mg/L	1.67
MW-304	04/04/2023	Fluoride, total	mg/L	1.81
MW-304	05/22/2023	Fluoride, total	mg/L	1.72
MW-304	08/03/2023	Fluoride, total	mg/L	1.70
MW-304	10/26/2022	Lead, total	mg/L	0.0006 U
MW-304	11/17/2022	Lead, total	mg/L	0.0006 U
MW-304	12/14/2022	Lead, total	mg/L	0.0006 U
MW-304	01/11/2023	Lead, total	mg/L	0.0006 U
MW-304	02/20/2023	Lead, total	mg/L	0.0006 U
MW-304	03/15/2023	Lead, total	mg/L	0.0006 U
MW-304	04/04/2023	Lead, total	mg/L	0.0006 U
MW-304	05/22/2023	Lead, total	mg/L	0.004 U
MW-304	08/03/2023	Lead, total	mg/L	0.0006 U
MW-304	10/26/2022	Lithium, total	mg/L	0.0869
MW-304	11/17/2022	Lithium, total	mg/L	0.0635
MW-304	12/14/2022	Lithium, total	mg/L	0.0756
MW-304	01/11/2023	Lithium, total	mg/L	0.0819
MW-304	02/20/2023	Lithium, total	mg/L	0.0818
MW-304	03/15/2023	Lithium, total	mg/L	0.0940
MW-304	04/04/2023	Lithium, total	mg/L	0.0808
MW-304	05/22/2023	Lithium, total	mg/L	0.0603
MW-304	08/03/2023	Lithium, total	mg/L	0.0779
MW-304	10/26/2022	Mercury, total	mg/L	0.00006 U
MW-304	11/17/2022	Mercury, total	mg/L	0.00007 U

APPENDIX C2
ANALYTICAL RESULTS USED IN BACKGROUND CALCULATIONS
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	Date	Parameter	Unit	Result
MW-304	12/14/2022	Mercury, total	mg/L	0.00008 U
MW-304	01/11/2023	Mercury, total	mg/L	0.00006 U
MW-304	02/20/2023	Mercury, total	mg/L	0.00006 U
MW-304	03/15/2023	Mercury, total	mg/L	0.00006 U
MW-304	04/04/2023	Mercury, total	mg/L	0.00006 U
MW-304	05/22/2023	Mercury, total	mg/L	0.0001 J
MW-304	08/03/2023	Mercury, total	mg/L	0.00012 U
MW-304	10/26/2022	Molybdenum, total	mg/L	0.0013 J
MW-304	11/17/2022	Molybdenum, total	mg/L	0.0011 J
MW-304	12/14/2022	Molybdenum, total	mg/L	0.0009 J
MW-304	01/11/2023	Molybdenum, total	mg/L	0.0007 J
MW-304	02/20/2023	Molybdenum, total	mg/L	0.001 J
MW-304	03/15/2023	Molybdenum, total	mg/L	0.0008 J
MW-304	04/04/2023	Molybdenum, total	mg/L	0.001 J
MW-304	05/22/2023	Molybdenum, total	mg/L	0.0037 U
MW-304	08/03/2023	Molybdenum, total	mg/L	0.0008 J
MW-304	10/26/2022	Radium 226 + Radium 228, total	pCi/L	0.693
MW-304	11/17/2022	Radium 226 + Radium 228, total	pCi/L	0.217
MW-304	12/14/2022	Radium 226 + Radium 228, total	pCi/L	0.632
MW-304	01/11/2023	Radium 226 + Radium 228, total	pCi/L	0.213
MW-304	02/20/2023	Radium 226 + Radium 228, total	pCi/L	0.294
MW-304	03/15/2023	Radium 226 + Radium 228, total	pCi/L	0.265
MW-304	04/04/2023	Radium 226 + Radium 228, total	pCi/L	0.932
MW-304	05/22/2023	Radium 226 + Radium 228, total	pCi/L	0.381
MW-304	08/03/2023	Radium 226 + Radium 228, total	pCi/L	0.937
MW-304	10/26/2022	Selenium, total	mg/L	0.0006 U
MW-304	11/17/2022	Selenium, total	mg/L	0.0006 U
MW-304	12/14/2022	Selenium, total	mg/L	0.0006 U
MW-304	01/11/2023	Selenium, total	mg/L	0.0006 U
MW-304	02/20/2023	Selenium, total	mg/L	0.0006 U
MW-304	03/15/2023	Selenium, total	mg/L	0.0006 U
MW-304	04/04/2023	Selenium, total	mg/L	0.0006 U
MW-304	05/22/2023	Selenium, total	mg/L	0.0006 U
MW-304	08/03/2023	Selenium, total	mg/L	0.0006 U
MW-304	10/26/2022	Thallium, total	mg/L	0.001 U
MW-304	11/17/2022	Thallium, total	mg/L	0.001 U
MW-304	12/14/2022	Thallium, total	mg/L	0.001 U
MW-304	01/11/2023	Thallium, total	mg/L	0.001 U
MW-304	02/20/2023	Thallium, total	mg/L	0.001 U
MW-304	03/15/2023	Thallium, total	mg/L	0.001 U
MW-304	04/04/2023	Thallium, total	mg/L	0.001 U
MW-304	05/22/2023	Thallium, total	mg/L	0.001 U
MW-304	08/03/2023	Thallium, total	mg/L	0.001 U
MW-358	10/27/2022	Antimony, total	mg/L	0.00220
MW-358	11/17/2022	Antimony, total	mg/L	0.00230
MW-358	12/13/2022	Antimony, total	mg/L	0.00150

APPENDIX C2
ANALYTICAL RESULTS USED IN BACKGROUND CALCULATIONS
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	Date	Parameter	Unit	Result
MW-358	01/11/2023	Antimony, total	mg/L	0.0004 U
MW-358	02/20/2023	Antimony, total	mg/L	0.0008 J
MW-358	03/13/2023	Antimony, total	mg/L	0.0004 U
MW-358	04/04/2023	Antimony, total	mg/L	0.0004 U
MW-358	05/19/2023	Antimony, total	mg/L	0.0004 U
MW-358	08/07/2023	Antimony, total	mg/L	0.0004 U
MW-358	10/27/2022	Arsenic, total	mg/L	0.00300
MW-358	11/17/2022	Arsenic, total	mg/L	0.00210
MW-358	12/13/2022	Arsenic, total	mg/L	0.00340
MW-358	01/11/2023	Arsenic, total	mg/L	0.00140
MW-358	02/20/2023	Arsenic, total	mg/L	0.00220
MW-358	03/13/2023	Arsenic, total	mg/L	0.00210
MW-358	04/04/2023	Arsenic, total	mg/L	0.00380
MW-358	05/19/2023	Arsenic, total	mg/L	0.0087 U
MW-358	08/07/2023	Arsenic, total	mg/L	0.00380
MW-358	10/27/2022	Barium, total	mg/L	0.0933
MW-358	11/17/2022	Barium, total	mg/L	0.172
MW-358	12/13/2022	Barium, total	mg/L	0.168
MW-358	01/11/2023	Barium, total	mg/L	0.165
MW-358	02/20/2023	Barium, total	mg/L	0.201
MW-358	03/13/2023	Barium, total	mg/L	0.166
MW-358	04/04/2023	Barium, total	mg/L	0.261
MW-358	05/19/2023	Barium, total	mg/L	0.192
MW-358	08/07/2023	Barium, total	mg/L	0.235
MW-358	10/27/2022	Beryllium, total	mg/L	0.0003 J
MW-358	11/17/2022	Beryllium, total	mg/L	0.0002 U
MW-358	12/13/2022	Beryllium, total	mg/L	0.0002 U
MW-358	01/11/2023	Beryllium, total	mg/L	0.0002 U
MW-358	02/20/2023	Beryllium, total	mg/L	0.0002 U
MW-358	03/13/2023	Beryllium, total	mg/L	0.0002 U
MW-358	04/04/2023	Beryllium, total	mg/L	0.0002 U
MW-358	05/19/2023	Beryllium, total	mg/L	0.0002 U
MW-358	08/07/2023	Beryllium, total	mg/L	0.0002 U
MW-358	10/27/2022	Cadmium, total	mg/L	0.0002 U
MW-358	11/17/2022	Cadmium, total	mg/L	0.0002 U
MW-358	12/13/2022	Cadmium, total	mg/L	0.0002 U
MW-358	01/11/2023	Cadmium, total	mg/L	0.0002 U
MW-358	02/20/2023	Cadmium, total	mg/L	0.0002 U
MW-358	03/13/2023	Cadmium, total	mg/L	0.0002 U
MW-358	04/04/2023	Cadmium, total	mg/L	0.0002 U
MW-358	05/19/2023	Cadmium, total	mg/L	0.0005 U
MW-358	08/07/2023	Cadmium, total	mg/L	0.0002 U
MW-358	10/27/2022	Chromium, total	mg/L	0.0125
MW-358	11/17/2022	Chromium, total	mg/L	0.00540
MW-358	12/13/2022	Chromium, total	mg/L	0.00440
MW-358	01/11/2023	Chromium, total	mg/L	0.0007 U

APPENDIX C2
ANALYTICAL RESULTS USED IN BACKGROUND CALCULATIONS
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	Date	Parameter	Unit	Result
MW-358	02/20/2023	Chromium, total	mg/L	0.0007 U
MW-358	03/13/2023	Chromium, total	mg/L	0.0007 U
MW-358	04/04/2023	Chromium, total	mg/L	0.0007 U
MW-358	05/19/2023	Chromium, total	mg/L	0.0028 U
MW-358	08/07/2023	Chromium, total	mg/L	0.001 J
MW-358	10/27/2022	Cobalt, total	mg/L	0.00220
MW-358	11/17/2022	Cobalt, total	mg/L	0.00140
MW-358	12/13/2022	Cobalt, total	mg/L	0.0008 J
MW-358	01/11/2023	Cobalt, total	mg/L	0.0001 J
MW-358	02/20/2023	Cobalt, total	mg/L	0.0001 U
MW-358	03/13/2023	Cobalt, total	mg/L	0.0001 U
MW-358	04/04/2023	Cobalt, total	mg/L	0.0002 J
MW-358	05/19/2023	Cobalt, total	mg/L	0.0003 J
MW-358	08/07/2023	Cobalt, total	mg/L	0.0001 U
MW-358	10/27/2022	Fluoride, total	mg/L	2.43
MW-358	11/17/2022	Fluoride, total	mg/L	2.36
MW-358	12/13/2022	Fluoride, total	mg/L	2.10
MW-358	01/11/2023	Fluoride, total	mg/L	2.73
MW-358	02/20/2023	Fluoride, total	mg/L	2.87
MW-358	03/13/2023	Fluoride, total	mg/L	3.07
MW-358	04/04/2023	Fluoride, total	mg/L	3.13
MW-358	05/19/2023	Fluoride, total	mg/L	3.31
MW-358	08/07/2023	Fluoride, total	mg/L	3.36
MW-358	10/27/2022	Lead, total	mg/L	0.00220
MW-358	11/17/2022	Lead, total	mg/L	0.0006 U
MW-358	12/13/2022	Lead, total	mg/L	0.0008 J
MW-358	01/11/2023	Lead, total	mg/L	0.0006 U
MW-358	02/20/2023	Lead, total	mg/L	0.0006 U
MW-358	03/13/2023	Lead, total	mg/L	0.0006 U
MW-358	04/04/2023	Lead, total	mg/L	0.0006 U
MW-358	05/19/2023	Lead, total	mg/L	0.004 U
MW-358	08/07/2023	Lead, total	mg/L	0.0006 U
MW-358	10/27/2022	Lithium, total	mg/L	0.0621
MW-358	11/17/2022	Lithium, total	mg/L	0.0592
MW-358	12/13/2022	Lithium, total	mg/L	0.0696
MW-358	01/11/2023	Lithium, total	mg/L	0.0957
MW-358	02/20/2023	Lithium, total	mg/L	0.102
MW-358	03/13/2023	Lithium, total	mg/L	0.115
MW-358	04/04/2023	Lithium, total	mg/L	0.105
MW-358	05/19/2023	Lithium, total	mg/L	0.0778 J+
MW-358	08/07/2023	Lithium, total	mg/L	0.0961
MW-358	10/27/2022	Mercury, total	mg/L	0.00013 J
MW-358	11/17/2022	Mercury, total	mg/L	0.00007 U
MW-358	12/13/2022	Mercury, total	mg/L	0.00008 U
MW-358	01/11/2023	Mercury, total	mg/L	0.00006 U
MW-358	02/20/2023	Mercury, total	mg/L	0.00006 U

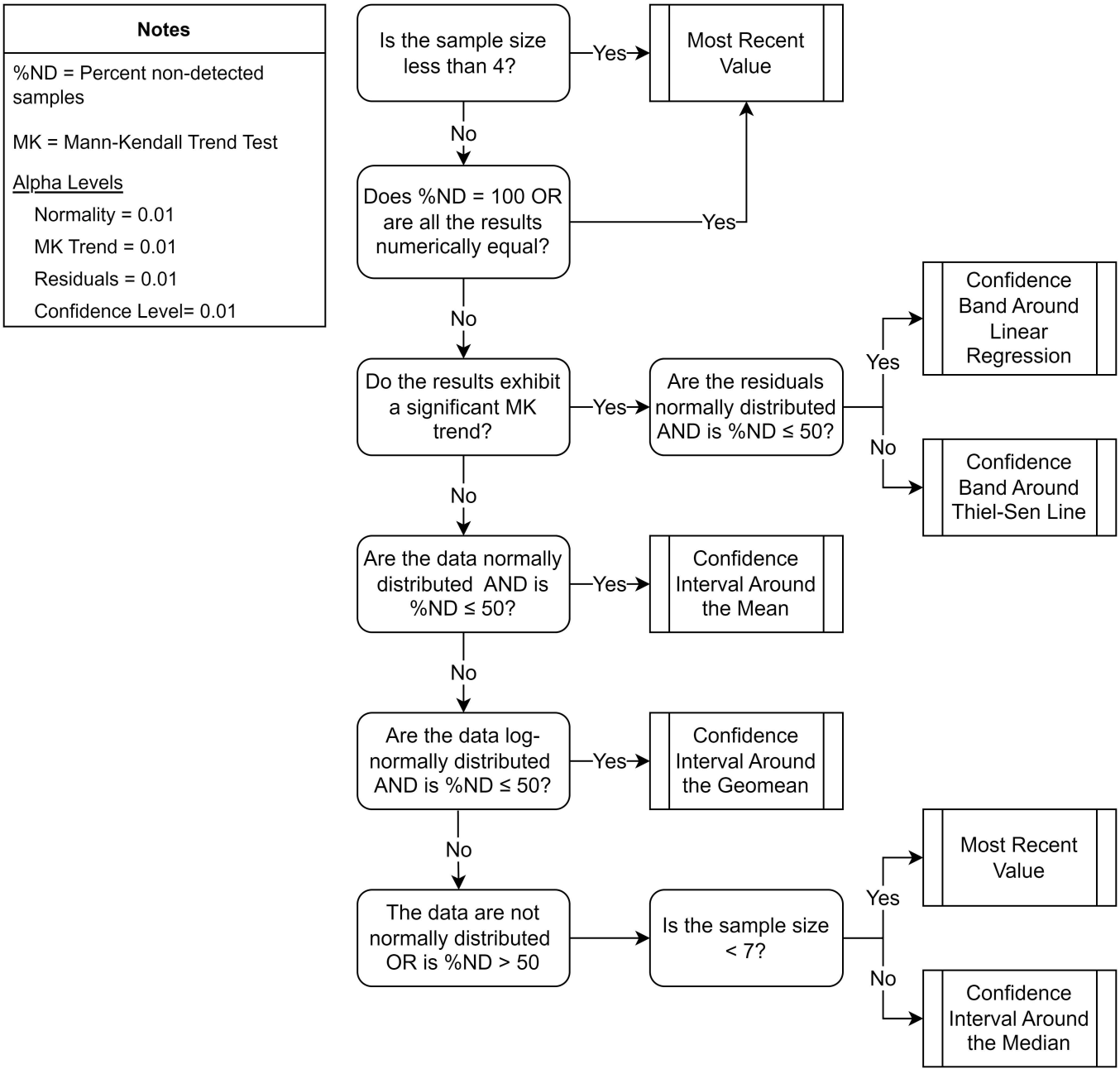
APPENDIX C2
ANALYTICAL RESULTS USED IN BACKGROUND CALCULATIONS
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	Date	Parameter	Unit	Result
MW-358	03/13/2023	Mercury, total	mg/L	0.00006 J
MW-358	04/04/2023	Mercury, total	mg/L	0.00006 U
MW-358	05/19/2023	Mercury, total	mg/L	0.00009 U
MW-358	08/07/2023	Mercury, total	mg/L	0.00006 U
MW-358	10/27/2022	Molybdenum, total	mg/L	0.0782
MW-358	11/17/2022	Molybdenum, total	mg/L	0.0475
MW-358	12/13/2022	Molybdenum, total	mg/L	0.0388
MW-358	01/11/2023	Molybdenum, total	mg/L	0.0165
MW-358	02/20/2023	Molybdenum, total	mg/L	0.0199
MW-358	03/13/2023	Molybdenum, total	mg/L	0.0137
MW-358	04/04/2023	Molybdenum, total	mg/L	0.0217
MW-358	05/19/2023	Molybdenum, total	mg/L	0.0139
MW-358	08/07/2023	Molybdenum, total	mg/L	0.0175
MW-358	10/27/2022	Radium 226 + Radium 228, total	pCi/L	3.57
MW-358	11/17/2022	Radium 226 + Radium 228, total	pCi/L	1.28
MW-358	12/13/2022	Radium 226 + Radium 228, total	pCi/L	1.86
MW-358	01/11/2023	Radium 226 + Radium 228, total	pCi/L	0.793
MW-358	02/20/2023	Radium 226 + Radium 228, total	pCi/L	0.731
MW-358	03/13/2023	Radium 226 + Radium 228, total	pCi/L	0.624
MW-358	04/04/2023	Radium 226 + Radium 228, total	pCi/L	0.873
MW-358	05/19/2023	Radium 226 + Radium 228, total	pCi/L	0.816
MW-358	08/07/2023	Radium 226 + Radium 228, total	pCi/L	0.908
MW-358	10/27/2022	Selenium, total	mg/L	0.00320
MW-358	11/17/2022	Selenium, total	mg/L	0.0006 U
MW-358	12/13/2022	Selenium, total	mg/L	0.0006 U
MW-358	01/11/2023	Selenium, total	mg/L	0.0006 U
MW-358	02/20/2023	Selenium, total	mg/L	0.0006 U
MW-358	03/13/2023	Selenium, total	mg/L	0.0006 U
MW-358	04/04/2023	Selenium, total	mg/L	0.0006 U
MW-358	05/19/2023	Selenium, total	mg/L	0.0006 U
MW-358	08/07/2023	Selenium, total	mg/L	0.0006 U
MW-358	10/27/2022	Thallium, total	mg/L	0.001 U
MW-358	11/17/2022	Thallium, total	mg/L	0.001 U
MW-358	12/13/2022	Thallium, total	mg/L	0.001 U
MW-358	01/11/2023	Thallium, total	mg/L	0.001 U
MW-358	02/20/2023	Thallium, total	mg/L	0.001 U
MW-358	03/13/2023	Thallium, total	mg/L	0.001 U
MW-358	04/04/2023	Thallium, total	mg/L	0.001 U
MW-358	05/19/2023	Thallium, total	mg/L	0.001 U
MW-358	08/07/2023	Thallium, total	mg/L	0.001 U

Notes:
Data qualifiers as defined in the United States Environmental Protection Agency's *National Functional Guidelines for Inorganic Superfund Methods Data Review* (2020):
J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+ = The result is an estimated quantity, but the result may be biased high.
U = The analyte was analyzed for, but was not detected above the level of the adjusted detection limit or quantitation limit, as appropriate.
mg/L = milligrams per liter
pCi/L = picoCuries per liter

Generated 2024-11-14 14:25:13.97595 by banoffra

APPENDIX D
LCL CALCULATION


Notes
%ND = Percent non-detected samples
MK = Mann-Kendall Trend Test
Alpha Levels
Normality = 0.01
MK Trend = 0.01
Residuals = 0.01
Confidence Level= 0.01
Is the sample size less than 4?
Yes
Most Recent Value
No
Does %ND = 100 OR are all the results numerically equal?
Yes
No
Do the results exhibit a significant MK trend?
Yes
Are the residuals normally distributed AND is %ND ≤ 50?
Yes
Confidence Band Around Linear Regression
No
Confidence Band Around Thiel-Sen Line
No
Are the data normally distributed AND is %ND ≤ 50?
Yes
Confidence Interval Around the Mean
No
Are the data log-normally distributed AND is %ND ≤ 50?
Yes
Confidence Interval Around the Geomean
No
The data are not normally distributed OR is %ND > 50
Is the sample size < 7?
Yes
Most Recent Value
No
Confidence Interval Around the Median

APPENDIX E
ALTERNATIVE SOURCE DEMONSTRATIONS

Geosyntec consultants

engineers | scientists | innovators

ALTERNATIVE SOURCE DEMONSTRATION

Baldwin Power Plant Bottom Ash Pond
(Unit ID #601)
40 CFR § 257.95(g)(3)(ii)

Prepared for

Dynegy Midwest Generation, LLC
1500 Eastport Plaza Drive
Collinsville, Ilinois 62234

Prepared by

Geosyntec Consultants, Inc.
150 E Wilson Bridge Road
Worthington, Ohio 43085

Project Number: GLP8068

September 7, 2024

Geosyntec consultants

Alternative Source Demonstration

Baldwin Power Plant Bottom Ash Pond
(Unit ID #601)
40 CFR § 257.95(g)(3)(ii)

Prepared for

Dynegy Midwest Generation, LLC
1500 Eastport Plaza Drive
Collinsville, Illinois 62234

Prepared by

Geosyntec Consultants, Inc.
500 W. Wilson Bridge Road
Worthington, OH 43085

Allison Kreinberg
Senior Geochemist

John Seymour, P.E.
Senior Principal

License No.: 062.040562
Expires: 11/30/2024

Project Number: GLP8068

September 7, 2024

TABLE OF CONTENTS

1. INTRODUCTION 1

2. BACKGROUND 2
   2.1 Site Location and Description 2
   2.2 Description of the CCR Unit 2
   2.3 Geology and Hydrogeology 2

3. ALTERNATIVE SOURCE DEMONSTRATION LINES OF EVIDENCE 4
   3.1 LOE #1: BAP Porewater Concentrations of Fluoride and Lithium are Lower than Groundwater Concentrations. 4
   3.2 LOE #2: The Wells of Concern Have a Similar Ionic Composition to Upgradient Monitoring Well MW-358. 4
   3.3 LOE #3: Stable Lithium and Boron Isotopes Provide Further Evidence That the Wells of Concern have a Geochemical Signature Distinct from BAP Porewater. 7
   3.4 LOE #4: Fluoride and Lithium Occurs Naturally in the Shale Bedrock of the Uppermost Aquifer. 8

4. CONCLUSIONS 12

5. REFERENCES 13

LIST OF TABLES

Table 1: Boron and Lithium Isotope Analytical Results

Table 2: Summary of Rietveld Quantitative Analysis – X-Ray Diffraction Results

Table 3: Lithium SEP Results Summary

Table 4: Lithium Concentration of Site Solids

LIST OF FIGURES

Figure 1: Fluoride Time Series Graph

Figure 2: Lithium Time Series Graph

Figure 3: Piper Diagram

Figure 4a: Principal Component Analysis – Quality of Representation of Principal Components

Figure 4b: Contribution of Variables to First Two Principal Components

Figure 5: Principal Component Analysis Biplot

Figure 6: Dendrogram Graph from Cluster Analysis

Figure 7: Non-Metric Multidimensional Scaling Plot

Figure 8: Boron Isotope Distribution

Figure 9: Lithium Isotope Distribution

Figure 10: Isotopic Composition of Lithium and Boron

LIST OF APPENDICES

Attachment 1: 40 CFR § 257 Groundwater Monitoring Network

Attachment 2: Geologic Cross Section

Attachment 3: Uppermost Aquifer Potentiometric Surface Map – April 15, 2024

Attachment 4: Boring Logs

Attachment 5: MW-393 Fluoride and MW-370 Lithium Statistical Analysis

Attachment 6: PCA Data Summary

Attachment 7: Lithium Isotope Ratio Laboratory Analytical Report

Attachment 8: Solid Phase Anions Laboratory Analytical Report

Attachment 9: X-ray Diffraction Laboratory Analytical Report

Attachment 10: Sequential Extraction Procedure Laboratory Analytical Report

Attachment 11: CCR Solids Total Metals Laboratory Analytical Report

ACRONYMS AND ABBREVIATIONS

%	percent
‰	per mille
ASD	alternative source demonstration
BAP	Bottom Ash Pond
bgs	below ground surface
BPP	Baldwin Power Plant
CCR	coal combustion residuals
CFR	code of federal regulations
cm/s	centimeters per second
DMG	Dynegy Midwest Generation, LLC
FAPS	Fly Ash Pond System
GWPS	groundwater protection standard
IEPA	Illinois Environmental Protection Agency
LOE	line of evidence
mg/L	milligrams per liter
NAVD88	North American Vertical Datum of 1988
NMDS	nonmetric multidimensional scaling
NPDES	National Pollutant Discharge Elimination System
NRT	Natural Resource Technology, Inc.
PC	principal component
PCA	principal component analysis
SEP	sequential extraction procedure
SSL	statistically significant level
UA	Uppermost Aquifer
USGS	United States Geological Survey
XRD	X-ray diffraction

1. INTRODUCTION

Geosyntec Consultants, Inc. has prepared this alternative source demonstration (ASD) on behalf of Dynegy Midwest Generation, LLC (DMG), regarding the Bottom Ash Pond (BAP) coal combustion residuals (CCR) unit at the Baldwin Power Plant (BPP) near Baldwin, Illinois. The ASD is completed pursuant to Title 40 of the Code of Federal Regulations (40 CFR) § 257.95(g)(3)(ii) and was completed by September 7, 2024, within 90 days of determination of the exceedances (June 9, 2024) as required by 40 § 257.95(g)(3)(ii).

A statistically significant level (SSL) of fluoride was identified above the site-specific groundwater protection standard (GWPS) of 4.0 milligrams per liter (mg/L) at downgradient monitoring well MW-393 following the most recent Assessment Monitoring sampling event, which was completed in April 2024. A statistical exceedance of lithium above the site-specific groundwater protection standard (GWPS) of 0.123 milligrams per liter (mg/L) was also determined at downgradient monitoring well MW-370 following the most recent Assessment Monitoring event. An ASD for lithium at MW-370 was previously submitted under Title 40 of CFR Section 257.95(g)(3)(ii) on 30 April 2023 (Ramboll 2023). Likewise, an ASD for fluoride at MW-393 was previously submitted under Title 40 of CFR Section 257.95(g)(3)(ii) on 25 October 2023 (Geosyntec 2023).

40 CFR § 257.95(g)(3)(ii) allows the owner or operator of a CCR unit to complete a written ASD demonstrating that a source other than the CCR unit being monitored caused the SSL, or that the SSL resulted from error in sampling, analysis, statistical evaluation, or natural variation in groundwater quality.

Pursuant to 40 CFR § 257.95(g)(3)(ii), the lines of evidence (LOEs) documented in this ASD demonstrate that the BPP BAP CCR unit did not cause the SSL exceedances for fluoride at downgradient monitoring well MW-393 and lithium at downgradient monitoring well MW-370. Natural variability associated with the lithology of the aquifer was identified as the alternative source for the fluoride concentrations at MW-393 and lithium concentrations at MW-370.

2. BACKGROUND

2.1 Site Location and Description

The BPP is located in Randolph County and St. Clair County in southwest Illinois approximately 0.5 miles west-northwest of the village of Baldwin. The BPP property is bordered by Baldwin Road to the east; the village of Baldwin to the southeast; Illinois Central Gulf railroad tracks, State Road 154, and scattered residences to the south; the Kaskaskia River to the west; and farmland to the north. CCR impoundments present at the BPP include the BAP and the closed Fly Ash Pond System (FAPS), which included the West Fly Ash Pond, East Fly Ash Pond, and Old East Fly Ash Pond.

Non-CCR impoundments present at the BPP include the Secondary Pond, Tertiary Pond, and Baldwin Lake (BPP Cooling Pond). The location of the CCR and non-CCR impoundments are shown in **Attachment 1**. The BAP is immediately north of the FAPS, which is a closed in-place CCR unit approved for closure by the IEPA on August 16, 2016.

2.2 Description of the CCR Unit

The BPP began operation in 1970 and initially burned bituminous coal from Illinois before switching to subbituminous coal in 1999. The BAP is an unlined surface impoundment with a surface area of approximately 177 acres used to store and dispose of sluiced bottom ash from the BPP, some of which is mined for beneficial reuse. The BAP is also used to temporarily store spray dry adsorption waste and to clarify plant process water, including other non-CCR station process wastewaters, which is then discharged in accordance with the station's National Pollutant Discharge Elimination System (NPDES) permit (AECOM 2016; IEPA 2016). The original construction date of the BAP is unknown but occurred sometime before 1981 based on a review of historical aerial photographs. Therefore, the unit is over 43 years old.

2.3 Geology and Hydrogeology

This section provides a summary of the site geology and hydrogeology; additional detail is provided in the Supplemental Hydrogeologic Site Characterization and Groundwater Monitoring Plan (Natural Resource Technology, Inc. [NRT] 2016) and the Hydrogeologic Site Characterization Report (Ramboll 2021).

Three hydrostratigraphic units are present at the BPP, which include the CCR, an unconsolidated Upper Unit, and a Bedrock Unit.

- CCR: Consists primarily of bottom ash, fly ash, and boiler slag and also includes fill materials comprising predominantly of clays and silts excavated on-site for use in berm and road construction around the impoundment. Up to 28.2 feet of bottom ash has been observed towards the center of the BAP (Ramboll 2023).
- Upper Unit (unconsolidated unit): Predominantly clay with silt and minor sand, silt layers, and occasional sand lenses, and includes lithologies identified as the Cahokia Formation,

Peoria Loess, Equality Formation, and Vandalia Till. Thin sand seams present at the contact between the Upper Unit and Bedrock Unit have been identified as potential migration pathways (PMPs) due to higher hydraulic conductivities in comparison to those in the surrounding clays (e.g., 10^{-4} centimeters per second [cm/s] in sands compared with 10^{-5} cm/s in clays) (Ramboll 2023). Continuous sand seams have not been observed in the Upper Unit or immediately adjacent to the BAP. Due to the predominance of clay and only thin and intermittent sand lenses, this unit is not considered a continuous aquifer unit within the site boundary (NRT, 2016; Ramboll, 2021).

- Bedrock Unit: Pennsylvanian and Mississippian-aged interbedded shale and limestone continuously underlies the BPP and is considered the uppermost aquifer at the site. The top of bedrock ranges from 12.5 feet below ground surface (bgs) near the Kaskaskia River to 70 feet bgs within the East Fly Ash Pond (part of the FAPS). The Bedrock Unit is the uppermost aquifer (UA).

A geologic cross-section originally included in the Hydrogeologic Characterization Report and locator map are provided as **Attachment 2**.

Groundwater at the site has previously been classified as Class II groundwater in accordance with 35 IAC 620 based on the geometric mean hydraulic conductivity values measured in the monitoring wells screened in both the Upper Unit (3.2×10^{-5} cm/s) and the Bedrock Unit (5.0×10^{-6} cm/s) (NRT 2014).

The groundwater monitoring network for the BAP consists of 10 monitoring wells: 13 downgradient monitoring wells (MW-192, MW-193, MW-356, MW-369, MW-370, MW-382, MW-392, MW-393, MW-394, OW-256, OW-257, PZ-170, and PZ-182) and two background monitoring wells (MW-304 and MW-358) (**Attachment 1**). Monitoring wells are screened in both the uppermost aquifer (Bedrock Unit) from approximately 350 to 404 feet and the unconsolidated unit from 388 to 414 feet (North American Vertical Datum of 1988 [NAVD88].

The potentiometric groundwater contours and generalized groundwater flow directions at the site are shown in **Attachment 3**. Groundwater flow in bedrock is toward the northwest in the eastern and central areas of the BAP, and southwest in the east area of the FAPS. Bedrock groundwater flows toward the Secondary and Tertiary Ponds, which were created in a former surface water drainage channel. Groundwater flow directions are generally consistent across sampling events.

3. ALTERNATIVE SOURCE DEMONSTRATION LINES OF EVIDENCE

This ASD for the fluoride SSL at MW-393 and lithium SSL at MW-370 is based on four LOEs. These LOEs are described and supported below.

3.1 LOE #1: BAP Porewater Concentrations of Fluoride and Lithium are Lower than Groundwater Concentrations.

Porewater (*i.e.*, water within the CCR) samples have been collected from piezometer TPZ-164 since September 2018 and at five new porewater wells (XPW-01, -02, -04, -05, and -06) since October 2022. Boring logs for TPZ-164 and XPW-01, -02, -04, -05, and -06 are provided in **Attachment 4**. CCR porewater is water "collected from the interstitial water between waste particles in surface impoundments as it occurs in the field" (USEPA 2014) and represents the material potentially leached from impoundments. The CCR materials are the primary source of constituent loading to the CCR porewater. Over an extended period (e.g., months to years), the CCR porewater reaches equilibrium with the CCR materials. The concentrations within the porewater are "the most representative data available for impoundments because these data are [field-collected] concentrations of leachate" (USEPA 2014). Porewater is therefore the most appropriate source term for potential flux out of CCR impoundments.

The fluoride and lithium concentrations reported for these porewater sampling locations are consistently less than the concentrations observed for fluoride at MW-393 and for lithium at MW-370, as shown in **Figure 1** and **Figure 2**, respectively, making it improbable that the aqueous fluoride and lithium concentrations would increase after leaching from the BAP. The highest observed fluoride concentration in the porewater is consistently more than 10 times lower than the maximum concentration observed at MW-393. Likewise, the highest observed lithium concentration in the porewater is consistently more than three times lower than the maximum lithium concentration observed at MW-370. The fluoride concentrations detected in the porewater samples are less than the lower confidence limit of fluoride concentrations observed at downgradient well MW-393 (7.95 mg/L calculated using a confidence band around a linear regression) and lithium concentrations observed at downgradient well MW-370 (0.132 mg/L calculated using a confidence band around a linear regression), indicating that fluoride concentrations at MW-393 and lithium concentrations at MW-370 are not related to the BAP. The statistical analysis for confidence level determination for fluoride at MW-393 and lithium at MW-370 is provided in **Attachment 5.** If the BAP were the source of fluoride or lithium in groundwater, BAP porewater concentrations would be expected to be greater than the concentrations in groundwater.

3.2 LOE #2: The Wells of Concern Have a Similar Ionic Composition to Upgradient Monitoring Well MW-358.

The groundwater at both MW-393 and MW-370 has a similar ionic composition to the groundwater from background monitoring well MW-358, further indicating that these locations

are not affected by the BAP. Ramboll (2023) previously evaluated Stiff diagrams and found that background well MW-358 and downgradient well MW-370 contain groundwater dominated by chloride and monovalent cations. Furthermore, a Piper diagram — an alternative to Stiff diagrams for illustrating the relative concentration of major cations and anions in groundwater samples — shows that groundwater at MW-393 appears to be predominantly composed of chloride and monovalent cations, consistent with the composition of MW-358 and MW-370 (**Figure 3**). This groundwater composition is different from the composition of samples of BAP porewater, which tends to have greater relative contributions of alkalinity, sulfate, and divalent cations such as calcium and magnesium (**Figure 3**).

Piper and Stiff diagrams (Ramboll 2023) typically show the relative proportions and individual concentrations (respectively) of only major cations and anions. Advanced statistical approaches such as principal component analysis (PCA) or non-metric multi-dimensional scaling (NMDS) use a broader suite of analytes to evaluate the similarity or dissimilarity of different samples or groups and identify analytes that are main drivers for dissimilarities (Mumford et al., 2007).

PCA is often used to simplify large datasets with multiple variables by creating new uncorrelated variables known as principal components (PCs). The PCs are linear combinations of the original variables; the first few PCs typically capture most of the variation within the dataset. Factor loadings are calculated based on the correlation between PCs and the original variables. As such, variables with notably higher positive or negative factor loadings are main drivers of similarity or dissimilarity and clustering of samples. Factor scores are calculated based on the correlation between the combined chemical composition of each sample and the PCs. Samples with similar chemical compositions show similar factor scores and tend to cluster together on a PCA plot.

In this ASD, the dataset used for PCA included 107 samples collected between 2022 and 2024 from background wells MW-304 and MW-358, downgradient wells MW-370, MW-392 and MW-393, and the BAP porewater wells.[1] Three downgradient well locations were included to maintain a relative balance between sample sizes from each group. The downgradient locations were selected based on observed apparent exceedances of the GWPS, the site's hydrogeology and groundwater flow direction, and the spatial distribution of well locations. PCA requires that input variables have similar scales of measurement and variances. As such, data were standardized by mean-centering and scaling to unit variance prior to performing PCA. The fraction of total variation explained by each PC is shown in **Figure 4a**, with the first two PCs (Dimensions 1 and 2 on **Figure 4a**) accounting for approximately 69 percent [%] of the total variation in the datasets. Additionally, the quality of representation of each variable is presented in **Figure 4b,** demonstrating that for most variables, the majority of the variation is captured by the first two PCs.

PCA results are often visualized using biplots, where samples are projected on to the first two PCs (i.e., factor scores), and factor loadings are represented as vectors. The closer the data points are

[1] Analytes included in this PCA include total alkalinity, boron, pH, barium, chloride, calcium, lithium, sulfate, and fluoride. The dataset used for PCA analysis is provided with this submission as **Attachment 6**.

on the graph, the greater the similarity in their chemical composition. The biplot of PCA results from this study is shown on **Figure 5**, where the background samples are highlighted in orange, the downgradient samples in dark blue, and the porewater samples in gray. The factor loadings, represented as vectors on the biplot, suggest that constituents such as calcium and barium are responsible for shifting the chemical signature of samples from within the BAP towards the porewater cluster. In contrast, constituents such as lithium, fluoride, and chloride are the main drivers for shifting chemical composition in the direction of the downgradient and background samples cluster. These results are generally consistent with the findings of the Piper diagram (**Figure 3**), which identified a higher relative abundance of chloride in the bedrock groundwater samples compared to CCR porewater.

Furthermore, as illustrated in the biplot (**Figure 5**), the porewater samples cluster separately from the downgradient and background wells. The biplot shows no overlap between the 95% bivariate confidence ellipses for (i) porewater samples from within the BAP in gray, (ii) and downgradient and background bedrock groundwater samples in blue and orange (represented by the orange ellipsis). These results are generally consistent with the findings of the Piper diagram (**Figure 3**), which identified clusters of porewater samples distinct from background and downgradient locations. Furthermore, the PCA demonstrates that background and downgradient samples cluster together, indicating that the chemical composition of the downgradient samples from MW-393 and MW-370 is relatively similar to background and the other downgradient samples.

Clustering was further explored using Ward's hierarchical clustering method, a distance measure employed in agglomerative algorithms and commonly applied in hydrogeochemical studies. The analysis was performed on a scaled and centered dataset. As illustrated in the dendrogram (**Figure 6**), this analysis supported the distinction between porewater samples within the gray box and the combined group of downgradient and background groundwater wells within the orange box.

Non-metric multidimensional scaling (NMDS) analysis of the available dataset from Q1 2023 to Q2 2024 was conducted to evaluate more recent site conditions and to further compare the combined chemical composition of porewater, background, and select downgradient samples. Additionally, the results of NMDS analysis can be used for independent validation of previous findings from PCA. As some wells were installed in 2022, the 2023 and 2024 samples are likely to be more representative of equilibrium conditions in the aquifer. While both PCA and NMDS aim to reduce dimensionality and visualize patterns among samples, their methods are distinct. PCA relies on linear transformations and captures maximum variance through orthogonal components, whereas NMDS utilizes rank orders to achieve a non-linear representation of the original distances between samples. Therefore, NMDS is more flexible in relation to input requirements, particularly as it does not require that datasets be normally distributed. NMDS analysis results are typically presented in two-dimensional space with arbitrary dimensions, where the distance between two samples is representative of their relative similarity.

The results of the NMDS findings on the BAL dataset are displayed in **Figure 7**. Qualitatively, the NMDS findings align closely with those from the PCA (**Figure 5**) and indicate that: (i) the

porewater sample cluster (gray symbols) is separate from the downgradient (shades of blue) and background (shades of orange) samples; and (ii) the chemical compositions of the background and downgradient wells appear more similar to each other than to the composition of porewater. If BAP porewater was influencing the groundwater in downgradient wells MW-393 and MW-370, the groundwater geochemistry would be more similar to porewater. However, they are distinct and the similarity between upgradient and downgradient groundwater instead supports the conclusion that the groundwater composition is influenced by the native lithology.

3.3 LOE #3: Stable Lithium and Boron Isotopes Provide Further Evidence That the Wells of Concern have a Geochemical Signature Distinct from BAP Porewater.

Boron isotopes (^{11}B and ^{10}B) can be useful tracers in groundwater systems in sedimentary environments (United States Geological Survey, 2004). Depleted (lower; or more negative) boron isotope ratios (reported as $\delta^{11}B$, which is calculated as the ratio of $^{11}B/^{10}B$ relative to an international standard) are an indicator of CCR constituents in aqueous samples due to the depleted $\delta^{11}B$ found in source coal (Ruhl et al. 2014) and coal ash. Alternatively, sediments formed during deposition from marine environments, such as the shales identified within the uppermost aquifer at the site, can be enriched in $\delta^{11}B$ (i.e., more positive values) during deposition (Spivack et al. 1987).

Aqueous samples were collected from select locations to represent multiple lithologies and locations relevant to the BAP, as summarized in **Table 1**. These locations included TPZ-164 to represent BAP CCR porewater conditions, upgradient well MW-358 and compliance well MW-370 to represent wells screened within the downgradient shale (including compliance well MW-393 screened within similar bedrock interval and lithology). MW-370 and MW-393 in the UA generally have a consistent geochemical signature, as indicated by the outcome of the PCA described in Section 3.2. The samples were submitted to SmartGas Sciences, LLC (Columbus, Ohio) for analysis of total boron and stable boron isotopes and to Isodetect GmbH (Leipzig, Germany) for analysis of total lithium and stable lithium isotopes.

If the BAP porewater were influencing the groundwater within UA, a similar isotopic distribution for boron and lithium between the porewater and groundwater would be expected. However, the boron stable isotopic signatures for the BAP CCR porewater and groundwater at MW-370 are markedly different, providing further evidence that the UA groundwater, which is similar in composition at both MW-370 and MW-392 based on the PCA analyses, is dissimilar to the BAP. For the submitted samples, porewater from TPZ-164 had the most depleted $\delta^{11}B$ value, with a reported $\delta^{11}B$ of 2.8 per mille (‰).

The BAP porewater has a boron isotopic composition consistent with the reported $\delta^{11}B$ range for Illinois basin coal-derived CCR of -8.8‰ to 6.3‰ (Ruhl et al 2014) (**Figure 8**). Upgradient well MW-358 and compliance well MW-370 both had more positive $\delta^{11}B$ values, with reported results of 31.1‰ and 32.4‰, respectively (**Table 1**). The enrichment of $\delta^{11}B$ in these groundwater samples is inconsistent with influences from CCR. Instead, these results are consistent with

elevated $\delta^{11}B$ values typically detected in shale formations, with these more positive values due to deposition in marine environments (Spivack et al., 1987; Warner et al., 2013). Typical ranges detected for $\delta^{11}B$ in groundwater unimpacted by CCR are 4.0‰ to 34.0‰ (Buszka et al., 2007; Warner et al., 2013). MW-258, an upgradient well screened within the interbedded limestone and shale formation had a $\delta^{11}B$ value (14.2‰) that was lower than what was detected at shale lithologies at MW-358 and MW-370, but still isotopically distinct from BAP porewater. This variability in $\delta^{11}B$ values within the bedrock at the Site may be attributed to differences in mineralogy or depositional environment over time.

Lithium isotopes (^{7}Li and ^{6}Li) are similarly useful tracers in groundwater and have been identified as particularly applicable for distinguishing water containing CCR constituents (Harkness et al., 2015). Lithium isotope ratios (reported as $\delta^{7}Li$, which is calculated as the ratio of $^{7}Li/^{6}Li$ relative to an international standard) can be an indicator of CCR constituents, as coals have $\delta^{7}Li$ values ranging from -7.0 ‰ to 12.8‰, much lower than the ~31‰ commonly observed for seawater (Warner et al., 2014; Harkness et al., 2015). Release of ^{6}Li from exchangeable sites on clays within shale during burial and formation can significantly alter groundwater $\delta^{7}Li$ values compared to expectations based on the depositional environment (Warner et al., 2014).

MW-370 groundwater also has a consistent lithium isotope composition ($\delta^{7}Li$ = 20.7‰) with upgradient groundwater from shale lithologies at MW-358 ($\delta^{7}Li$ = 26.0‰), with slight differences potentially related to variations in burial history between the screening depths at these locations. The lithium data are provided in **Table 1** and presented on **Figure 9**, with the analytical laboratory report provided as **Attachment 7**. The lithium isotope signature for the BAP porewater ($\delta^{7}Li$ = 17.1‰) is somewhat similar to the bedrock lithium signature and is not consistent with the ranges of $\delta^{7}Li$ for other CCR material effluents ($\delta^{7}Li$ from -6.2 to 8.7‰; Harkness et al., 2015). When examining the isotopic composition of MW-370 groundwaters using both boron and lithium isotope data in combination (**Figure 10**), it is clear that the BAP porewater is isotopically distinct for lithium and boron from all analyzed groundwaters.

Together, these results provide further evidence that wells screened within the shale lithology, including at downgradient locations such as MW-393 and MW-370, are dissimilar to the BAP and instead are more strongly influenced by the bedrock lithology where they are screened. This is also consistent with findings from the Piper diagram (**Figure 3**), PCA analysis (**Figure 5**) and NMDS (**Figure 7**).

3.4 LOE #4: Fluoride and Lithium Occurs Naturally in the Shale Bedrock of the Uppermost Aquifer.

Geosyntec reviewed the results of analyses completed on solid phase samples collected from the Site to support the conclusion that statistical exceedances of the site-specific fluoride and lithium GWPS at MW-393 and MW-370 are associated with the limestone and shale bedrock formation.

Samples were collected from soil borings advanced in September and October 2022 at one location upgradient of the BAP (MW-358) and three locations downgradient of the BAP (MW-392, MW-393, and MW-394). These boring logs, plus the boring log for monitoring well MW-370, are

provided as **Attachment 4**. Three samples each were collected from various depth intervals/lithologies at MW-358 and MW-392, and one sample each was collected from the unconsolidated overburden at MW-393 and MW-394.[2] The samples were submitted for analysis of mineralogy via X-ray diffraction (XRD), total lithium, and lithium distribution within the aquifer solids using sequential extraction procedure (SEP). Select samples were also submitted for analysis of total fluoride in the solid phase.

Analysis of these solid phase samples identified fluoride within the bedrock of the uppermost aquifer at the Site – i.e., it is a naturally occurring inorganic substance within the mineral matrix of the bedrock (**Attachment 8**). The presence of fluoride within the solid phase of the uppermost aquifer (bedrock) likely contributes to elevated and naturally occurring fluoride in the groundwater.

Solid phase analysis of bedrock from compliance location MW-392 via XRD identified fluoride-bearing minerals in the solid phase materials (**Attachment 9**). The boring logs for MW-392 and MW-358 are provided in **Attachment 4**. Fluorapatite [$Ca_5(PO_4)_3F$], a fluoride-bearing mineral, was identified in samples collected from the shale formation at downgradient well MW-392 (**Table 2**; **Attachment 9**). The highest abundance of fluorapatite (2.7%) was identified in a sample collected at 80 to 82 feet below ground surface at downgradient well MW-392, which is the same depth interval as the well screen of MW-393. The presence of fluoride within the aquifer solids of the shale in the uppermost aquifer (bedrock), including the presence of a fluoride-bearing mineral, provide an alternative source for fluoride in groundwater.

Studies have found that fluoride concentrations in groundwater are comparable to or higher than those observed at MW-393 and are often found within the Pennsylvanian and Mississippian-aged interbedded shale and limestone of the uppermost aquifer. A USGS summary found that water within the upper parts of the Pennsylvanian-aged aquifers is generally similar throughout the Illinois and Indiana basins (Cable et al, 1971). This groundwater is influenced by the interaction with the variable interbedded rock types present in the uppermost aquifer at the BAP and can vary from a sodium bicarbonate to a sodium chloride type within a few feet of change in depth (Lloyd and Lyke 1995). Lloyd and Lyke (1995) noted that "the fluoride content of the water [in Pennsylvanian-aged aquifers] is great enough to mottle the teeth of persons who drink it on a continual basis," with concentrations reported as high as 15 mg/L. These results suggest that contact with Pennsylvanian-aged bedrock can result in natural variability in the reported fluoride concentrations in groundwater at ranges consistent with those observed at the site.

As discussed above, solid phase samples were submitted for analysis of lithium distribution in the aquifer solids via SEP. SEP uses progressively stronger reagents to solubilize metals from increasingly recalcitrant phases. Although these procedures do not identify the specific metal phases in a soil/aquifer matrix, they do provide a means to evaluate the class of solids and relative

[2] One additional sample each was collected from the unconsolidated overburden at MW-393 and MW-394. These results are excluded from subsequent results tables and discussion to emphasize findings associated with the bedrock lithologies.

stability in relation to oxidation/reduction (redox) potential and pH fluctuations (Tessier et al. 1979, Kuo et al. 1983, Sposito et al. 1984, Hickey and Kittrick 1984, Gruebel et al. 1988).

Results for total and SEP analyses of lithium in these samples are presented in **Table 3** and the analytical laboratory reports are provided as **Attachment 10**. As a first step to evaluate data quality in an SEP analysis, the sum of individual extraction steps from the SEP was compared to the total lithium concentration. The sum of the SEP procedure is not expected to be exactly equal to the total metals analysis but should generally be consistent with the total metals analysis. As can be seen in **Table 3**, the total lithium concentrations ranged from 6.0 micrograms per gram (µg/g) of material to 20 µg/g in the shale samples. The summed concentrations of lithium from the SEP analyses ranged from 7 to 73 µg/g. The results were generally consistent between the total metals analyses and the summed SEP steps, indicating good metals recovery and data quality. One notable exception is the sample collected from 86-88 feet bgs at upgradient location MW-358, which had a total lithium concentration of 20.0 µg/g and a summed SEP total of 73 µg/g. Although a difference was detected, both results indicate lithium is present within shale materials upgradient of the BAP.

SEP and total lithium results from these locations indicate that lithium is present in both upgradient and downgradient shale bedrock samples at the Site, with the greatest concentrations detected in upgradient samples. Most lithium in these samples was found to be associated with the residual metals fraction, which is typically considered to be immobile and not readily soluble (**Table 3**). The abundance of lithium within the residual fraction indicates association with inseparable primary mineral phases such as clay minerals (Tessier et al., 1979). Lithium was also found to be associated with iron/manganese oxides in multiple samples (maximum of 25% associated with iron/manganese oxides in the sample collected from the 47-49 feet bgs samples from MW-358), and a small component of lithium was found to be associated with organic material in the 86-88 feet bgs sample collected from MW-358. These results indicate that natural lithium occurrence in aquifer material from the Site is associated with multiple phases and therefore groundwater interactions with lithium could occur through differing mechanisms at different locations and depths.

Clay minerals are known to be common geosorbents for naturally occurring lithium (Starkey 1982). Lithium is known to leach from lithium-hosting igneous rocks and micas through weathering processes. Mineral alteration reactions occurring in micas may result in lithium-rich micas transforming directly to illitic clays, and then to mixed-layer and smectite clays. The lithium within these primary minerals either becomes incorporated directly into the crystal structures of these clay minerals or is transported in solution and later concentrated in brines through evaporation (Ronov et al., 1970). Lithium-enriched brines constitute a common source of lithium in clay minerals, as eroded fine-grained materials deposited in these brines are capable of housing aqueous lithium within vacant sites in octahedral layers comprising their crystal structures (Schultz 1969). Field lithologic descriptions of samples indicate that nearly all of the samples collected and analyzed consist of clay or shale, both of which are comprised primarily of mica and clay minerals which are known to be hosts of natural lithium. Based on SEP results and lithologic observations,

the data suggests that lithium in BAP solids is naturally occurring and primarily associated with micas and clays, with a smaller component associated with leachable oxides and organic material.

Mineralogical analyses completed using XRD evaluated the abundance of clays and micas within the aquifer solids (**Attachment 9**). Whole rock mineralogy results are provided in **Table 2**. Sample mineralogy consists predominantly of quartz, mica (muscovite), feldspars (albite and microcline), and clay minerals (chlorite, kaolinite) (**Table 2**). Of these minerals, muscovite and clays are known hosts of natural lithium within their crystal structures (Zawidzki 1976; Starkey 1982). The combined abundances of muscovite or clay minerals account for between 30 to 49% of the crystalline portion of samples within the bedrock shale samples, with an average value of 43%. As indicated on **Table 2**, these minerals are present at sizeable abundances both upgradient and downgradient of the BAP, indicating that these lithium-host minerals occur in the uppermost bedrock aquifer throughout the Site and constitute natural sources of lithium. Moreover, lithium concentrations within the solids of shale lithologies at background monitoring well MW-358 are on average (13 milligrams per kilogram [mg/kg]) greater than those detected for BAP CCR materials at XPW-04, -05, and -06 (5.2 mg/kg) (**Table 4;** analytical laboratory data provided in **Attachment 11**).

MW-370 is screened from 53-63 feet bgs within an interval of shaley limestone, with additional shale and clay directly overlying this material, as indicated by the boring log included in **Attachment 4**. Solids samples submitted for XRD analysis from other locations had similar boring log descriptions, so it is likely that lithium-hosting micas and clay minerals are present within the screened interval of MW-370, and the leachable component of lithium within these minerals could act as a geogenic source to groundwater.

4. CONCLUSIONS

It has been demonstrated that the fluoride SSL at MW-393 and lithium SSL at MW-370 are not caused by a release from the BAP CCR unit, but instead are attributed to natural lithology at the site. The following summarizes the four LOEs used to support this demonstration:

1. If the BAP were the source of fluoride or lithium in groundwater, BAP porewater concentrations are expected to be greater than the concentrations in the UA. However, fluoride and lithium concentrations in the BAP porewater are lower than the minimum fluoride concentrations detected at MW-393 and minimum lithium concentrations reported at MW-370.

2. Compliance monitoring locations MW-393 and MW-370 have similar geochemical signatures as upgradient monitoring well MW-358. Moreover, a statistical evaluation (via PCA) has shown that their groundwater compositions are distinct from the porewater geochemical signature.

3. The stable boron and lithium isotopic ratio in groundwater at MW-393 and MW-370 is similar to the ratio in groundwater at upgradient monitoring well MW-358, which is screened within a similar bedrock interval and lithology. The similarity of the geochemistry in upgradient and downgradient groundwater provides further evidence that the likely source is the natural geology.

4. Solid phase analysis of rock cores from the uppermost aquifer (i.e., bedrock) identified fluoride and lithium (associated with mobile phases) within the naturally occurring minerals of the shale bedrock, thereby providing a geogenic source of fluoride and lithium in groundwater.

The alternative source of both fluoride and lithium is the influence of the shale bedrock lithology on the groundwater composition. This demonstration meets the expectations in both 40 CFR § 257.95(g)(3)(ii) and the technical manual for the Municipal Solid Waste Landfill federal regulatory program (CFR Title 40, Section 258; USEPA 1993) that a statistically significant increase may result from natural variation in groundwater quality and that the BAP is not the source of the increase in fluoride concentration at MW-393 and lithium concentration at MW-370.

The information serves as the written ASD prepared in accordance with 40 CFR § 257.95(g)(3)(ii) demonstrating that the BAP CCR unit did not contribute to the SSLs for fluoride at MW-393 and lithium at MW-370. Therefore, implementation of corrective measures is not required for fluoride and lithium at the BAP CCR unit.

5. REFERENCES

AECOM. 2016. *RE: History of Construction, USEPA Final Rule, 40 C.F.R. § 257.73(c), Baldwin Energy Complex, Baldwin, Illinois*. October.

Buszka, P.M., Fitzpatrick, J., Watson, L.R., and Kay, R.T. 2007. Evaluation of ground-water and boron sources by use of boron stable-isotope ratios, tritium, and selected water-chemistry constituents near Beverly Shores, northwestern Indiana, 2004. U.S. Geological Survey Scientific Investigations Report 2007–5166.

Cable, L. W., F. A. Watkins, Jr., T. M. Robison. 1971. "Hydrogeology of the principal aquifers in Vigo and Clay Counties, Indiana." *Indiana Department of Natural Resources Bulletin 34*.

Geosyntec. 2023. *Alternative Source Demonstration – Baldwin Power Plant Bottom Ash Pond (Unit ID # 601)*. 40 CFR § 257.95(g)(3)(ii). Geosyntec Consultants, Inc. October.

Gruebel, K A, J A Davies, and J O Leckie. 1988. "The Feasibility of Using Sequential Extraction Techniques for Arsenic and Selenium in Soils and Sediments". Soil Sci. Soc. Am. J. 52, 390-397.

Harkness, J S, L S Ruhl, R Millow, W Kloppman, J C Hower, H Hsu-Kim, A Vengosh. 2015. "Lithium isotope fingerprints in coal and coal combustion residuals from the United States." Procedia Earth and Planetary Science. 13, 134-137.

Hickey, M G and J A Kittrick. 1984. "Chemical Partitioning of Cadmium, Copper, Nickel, and Zinc in Soils and Sediments Containing High Levels of Heavy Metals". J. Environ. Qual. 13, 372-376.

IEPA. 2016. "Dynegy Midwest Generation, Inc. – Baldwin Energy Complex: Baldwin Fly Ash Pond System Closure – NPDES Permit No. IL000043." Letter from William Buscher (Illinois Environmental Protection Agency) to Rick Diericx (Dynegy Operating Company). August 16.

Kuo, S, P E Heilman, and A S Baker. 1983. "Distribution and Forms of Copper, Zinc, Cadmium, Iron, and Manganese in Soils Near a Copper Smelter". Soil Sci.135, 101-109.

Lloyd, O. B., and W. L. Lyke. 1995. *Ground Water Atlas of the United States – Illinois, Indiana, Kentucky, Ohio, Tennessee*. HA-730K. United States Geological Survey.

Mumford, K.G., MacGregor, J.F., Dickson, S.E. and Frappa, R.H., 2007. "Multivariate analysis of ground water and soil data from a waste disposal site." *Groundwater Monitoring & Remediation*, 27(1), pp.92-102.

NRT. 2014. *Groundwater Quality Assessment and Phase II Hydrogeologic Investigation, Baldwin Ash Pond System, Baldwin, Illinois*. Natural Resource Technology, Inc. Prepared for Dynegy Midwest Generation, LLC. June 11.

NRT. 2016. *Supplemental Hydrogeologic Site Characterization and Groundwater Monitoring Plan. Baldwin Fly Ash Pond System. Baldwin Energy Complex, Baldwin, IL*. Natural Resource Technology, Inc.

Ramboll. 2021. *Hydrogeologic Site Characterization Report. Baldwin Bottom Ash Pond. Baldwin Power Plant. Baldwin, Illinois*. Ramboll Americas Engineering Solutions, Inc. October.

Ramboll. 2023. *Alternative Source Demonstration. Baldwin Bottom Ash Pond. Baldwin Power Plant. Baldwin, Illinois*. Ramboll Americas Engineering Solutions, Inc. April.

Ronov, A.B., Migdisov, A.A., Voskresenskaya, N.T., and Korzine, G.A. 1970. Geochemistry of lithium in the sedimentary cycle. *Geochemistry International*. v. 7, p. 75-102.

Ruhl, L. S., G. S. Dwyer, H. Hsu-Kim, J. C. Hower, and A. Vengosh. 2014. Boron and Strontium Isotopic Characterization of Coal Combustion Residuals: Validation of New Environmental Tracers. *Environ. Sci. Technol*. 48:14790–14798.

Schultz, L.G. 1969. Lithium and potassium absorption, dehydroxylation temperature, and structural water content of aluminous smectites. *Clays and Clay Minerals*. v. 17, no. 3, p. 115-150.

Spivack, A. J., M. R. Palmer, and J. M. Edmond. 1987. "The Sedimentary Cycle of the Boron Isotopes." *Geochem. Cosmochim. Acta*. 51(7):1939–1949.

Sposito, G, C S LeVesque, J P LeClaire, and N Senesi. 1984. "Methodologies to Predict the Mobility and Availability of Hazardous Metals in Sludge-Amended Soils. California Water Resource Center". University of California, Davis, CA.

Starkey, H.C. 1982. The role of clays in fixing lithium. United States Geological Survey. Bulletin 1278-F.

Tessier A., P.G.C. Campbell, and M. Bisson, 1979. Sequential Extraction Procedures for the Speciation of Particulate Trace Metals. Anal. Chem. 51(7), 844-851.

USEPA. 1993. *Solid Waste Disposal Facility Criteria – Technical Manual. EPA 530-R-93-017.* United States Environmental Protection Agency. November.

United States Geological Survey. 2004. Resources on Isotopes. Periodic Table – Boron. *Isotopes Tracers Project*. United States Geological Survey. Accessed September 13, 2023. https://wwwrcamnl.wr.usgs.gov/isoig/period/b_iig.html.

Warner, N. R., T. M. Kresse, P. D. Hays, A. Down, J. D. Karr, R. B. Jackson, and A. Vengosh. 2013. Geochemical and Isotopic Variations in Shallow Groundwater in Areas of the Fayetteville Shale Development, North-Central Arkansas. *Applied Geochemistry* 35:207–220.

Warner, N. R., T.H. Darrah, R.B. Jackson, R. Millot, W. Kloppmann, and A. Vengosh. 2014. New Tracers Identify Hydraulic Fracturing Fluids and Accidental Releases from Oil and Gas Operations. *Environmental Science & Technology*, 48, 12552 – 12560.

Zawidzki, Pawel. 1976. Lithium distribution in micas and its bearing on the lithium geochemistry of granitoids. *Polska Akademia Nauk, Archiwum Mineralogiczne*. v. 32, p. 95-152.

TABLES

Table 1 - Boron and Lithium Isotope Analytical Results
Baldwin Power Plant - Bottom Ash Pond

Geosyntec Consultants, Inc.

Sample ID	Sample Location	Sample Description	Total Boron (µg/L)	$\delta^{11}B$ (‰)	+/- (2SE)	Total Lithium (µg/L)	$\delta^{7}Li$ (‰)	+/- (2SE)
20230206 TPZ-164	TPZ-164	Porewater	1116	2.8	1.2	28	17.1	0.75
20230206 Cooling Pond	Cooling Pond	Surface Water	240	5.7	1.2	3.1	35.2	0.74
20230206 MW-370	MW-370	Downgradient Shale	2061	32.4	1.2	227	20.7	0.73
20230206 PZ-170	PZ-170	Downgradient PMP	326	43.2	1.2	44	17.1	0.73
20230206 MW-158R	MW-158R	Background PMP	86	18.0	1.2	23	31.5	0.54
20230207 MW-358	MW-358	Background Deep Shale	1778	31.1	1.2	185	26.0	0.7
20230207 MW-258	MW-258	Background Shale	1248	14.2	1.2	--	--	--

Notes:

‰: parts per thousand (per mille)

µg/L: micrograms per liter

--: Sample not analyzed

PMP: potential migration pathway

SE: standard error

Table 2 - Summary of Rietveld Quantitative Analysis
X-Ray Diffraction Results
Baldwin Power Plant - Bottom Ash Pond

Well ID			**MW-358**	**MW-358**	**MW-392**	**MW-392**
Depth (ft bgs)			**(47-49)**	**(86-88)**	**(66-68)**	**(80-82)**
Location			**Upgradient**	**Upgradient**	**Downgradient**	**Downgradient**
Boring Log Description			**Shallow Shale**	**Deeper Shale Body**	**Shale**	**Shale transitioning to limestone**
Mineral/Compound	**Formula**	**Mineral Type**	(wt %)	(wt %)	(wt %)	(wt %)
Quartz	SiO_2	Silicate	33.0	34.9	27.2	29.1
Muscovite	$KAl_2(AlSi_3O_{10})(OH)_2$	Mica	37.6	30.5	29.7	14.5
Albite	$NaAlSi_3O_8$	Feldspar	8.2	3.4	4.5	1.0
Microcline	$KAlSi_3O_8$	Feldspar	9.4	8.1	6.9	2.9
Chlorite	$(Fe,(Mg,Mn)_5,Al)(Si_3Al)O_{10}(OH)_8$	Clay	-	-	16.3	6.8
Pyrite	FeS_2	Sulfide	1.0	0.8	-	1.2
Kaolinite	$Al_2Si_2O_5(OH)_4$	Clay	9.0	18.4	-	8.2
Calcite	$CaCO_3$	Carbonate	1.8	1.7	14.8	31.5
Anatase	TiO_2	Oxide	-	2.1	0.7	0.4
Leucite	$KAlSi_2O_6$	Zeolite	-	-	-	2.4
Siderite	$FeCO_3$	Carbonate	-	-	-	1.9
Clay Minerals Total			9	18	16	15
Clays + Muscovite Total			47	49	46	30

Notes
Dashes indicate that the mineral was not identified by the analyst and not included in the refinement calculation for the sample
The weight percent quantities indicated have been normalized to a sum of 100%. The quantity of amorphous material has not been determined.
Sample depths are shown in feet below ground surface (ft bgs).

Table 3 - Lithium SEP Results Summary
Baldwin Power Plant - Bottom Ash Pond

Geosyntec Consultants, Inc.

Well ID	MW-358		MW-358		MW-392		MW-392	
Depth (ft bgs)	(47-49)		(86-88)		(66-68)		(80-82)	
Location	Upgradient		Upgradient		Downgradient		Downgradient	
Boring Log Description	Shallow Shale		Deeper Shale Body		Shale		Shale transitioning to limestone	
Total Lithium	6.0		20.0		15.0		8.0	
SEP Results								
	Concentration	% of Total	Concentration	% of Total	Concentration	% of Total	Concentration	% of Total
Water Soluble Fraction	<2	--	<2	--	<2	--	<2	--
Exchangeable Metals Fraction	<2	--	<2	--	<2	--	<2	--
Metals Bound to Carbonates Fraction	<2	--	<2	--	<2	--	<2	--
Metals Bound to Fe/Mn Oxides Fraction	3.0	25%	5.0	7%	2.0	10%	<2	--
Bound to Organic Material Fraction	<2	--	3.0	4%	<2	--	<2	--
Residual Metals Fraction	9.0	75%	65.0	89%	19.0	90%	7.0	100%
SEP Total	12.0	100%	73.0	100%	21.0	100%	7.0	100%

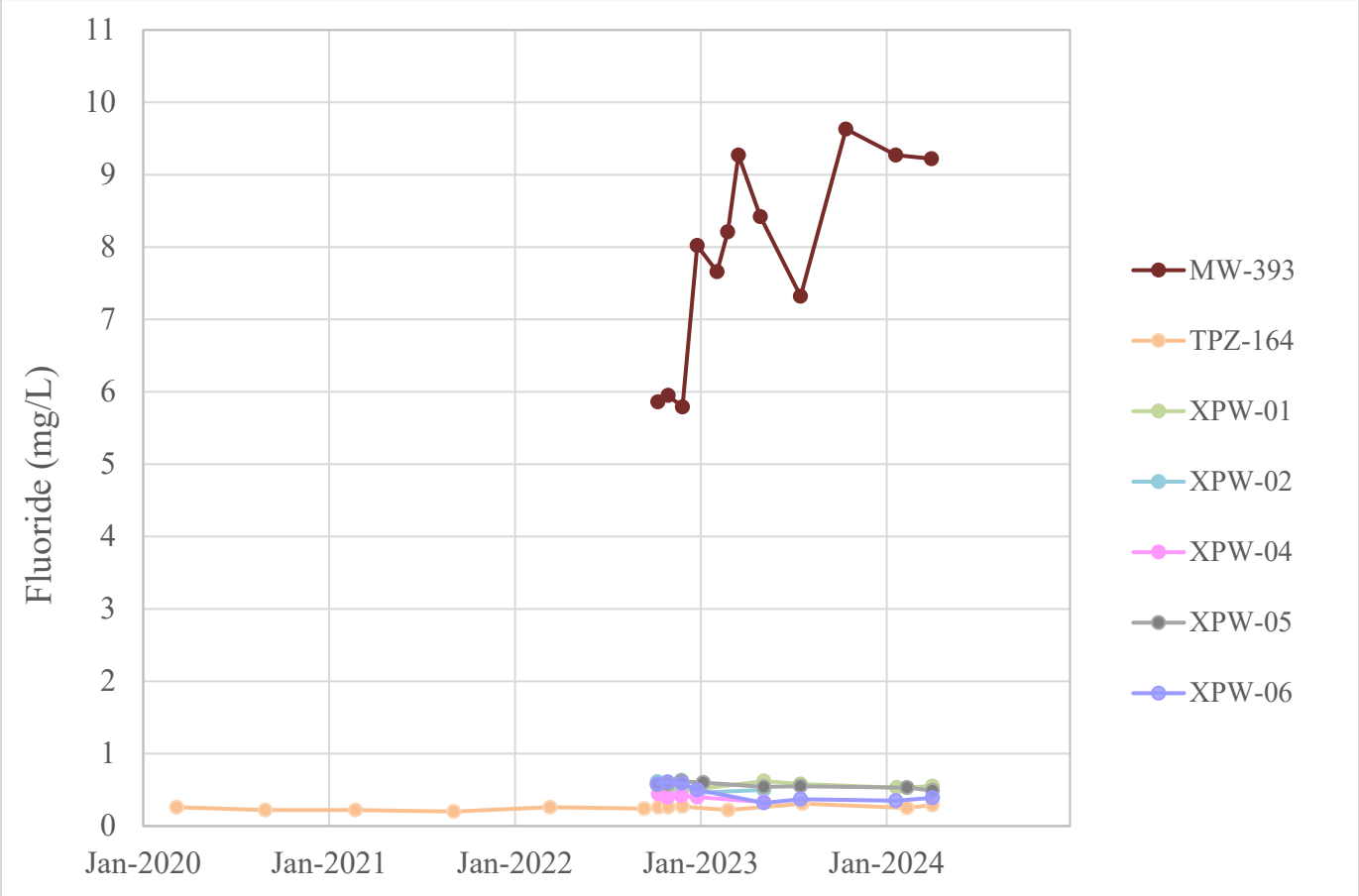
Notes:
SEP - sequential extraction procedure
All results shown in microgram of lithium per gram of soil (µg/g).
Total lithium was analyzed using aqua regia digest, ICP-MS
Non-detect values are shown as less than the detection limit.
The lithium fraction associated with each SEP phase is shown.
% of total lithium is calculated from the sum of the SEP fractions.

Table 4 - Lithium Concentration of Site Solids
Baldwin Power Plant - Bottom Ash Pond

Well ID	Depth (ft bgs)	Well Characterization	Sampled Aquifer Unit	Field Boring Log Description	Lithium (mg/kg)
MW-358	(47-49)	Background	UA	Shallow shale	6
	(86-88)	Background	UA	Deeper shale body	20
MW-392	(66-68)	BAP Compliance	UA	Shale	15
	(80-82)	BAP Compliance	UA	Shale transitioning to limestone	8
XPW-04	(8-10)	CCR Material	--	Ash	2.27
	(14.5-16.5)	CCR Material	--	Ash	0.46
XPW-05	(5-7)	CCR Material	--	Ash	10.9
	(12-13)	CCR Material	--	Ash	3.72
	(22-24)	CCR Material	--	Ash	12.1
	(26.2-28.2)	CCR Material	--	Ash	4.03
XPW-06	(5-7)	CCR Material	--	Ash	3.69
	(7-9)	CCR Material	--	Ash	4.11

Notes:
Sample depth is shown in feet below ground surface (ft bgs)
Non-detect values are shown as less than the reporting limit
BAP: Bottom Ash Pond
mg/kg: milligrams per kilogram
UA: uppermost aquifer

FIGURES



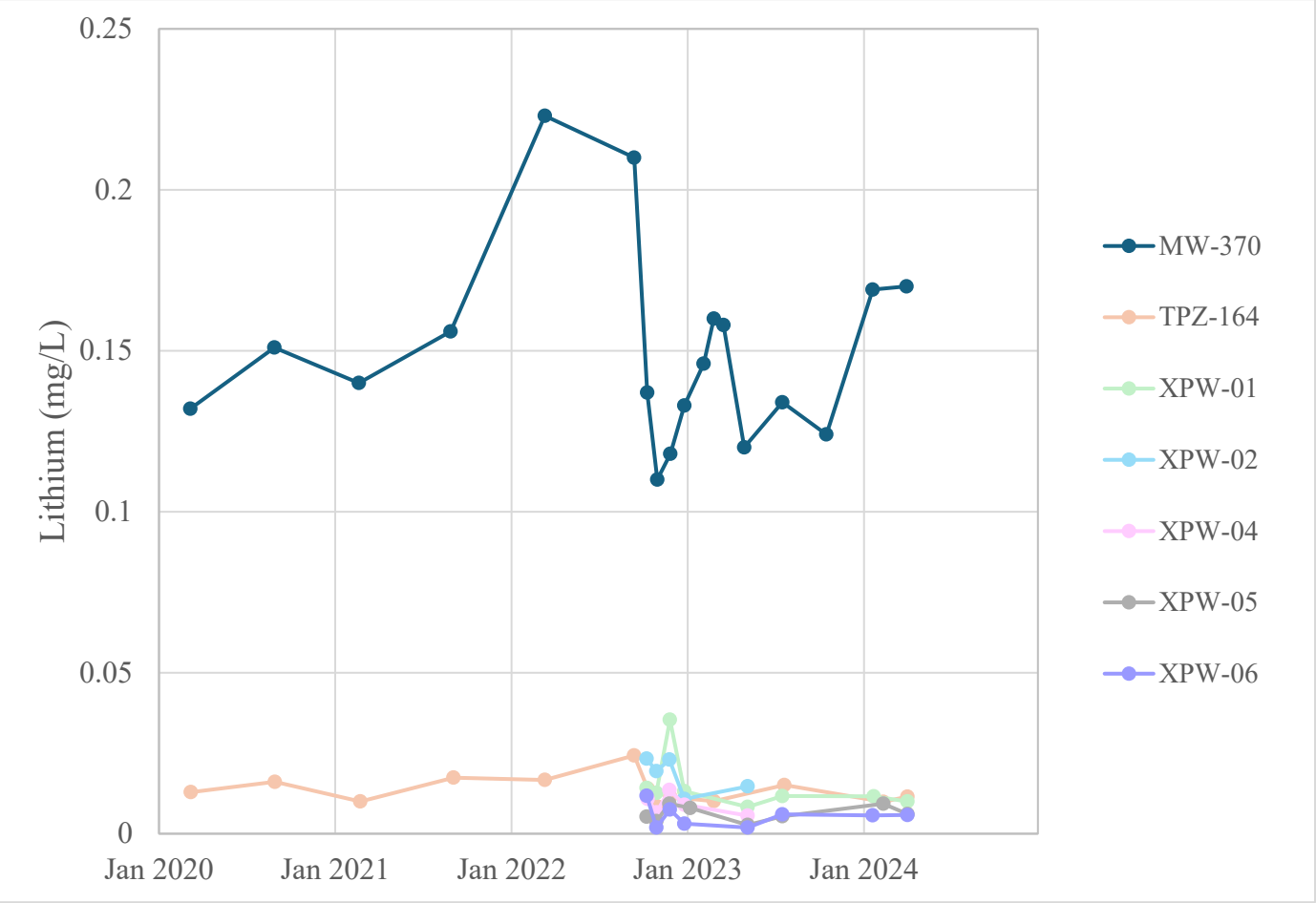
Notes:
mg/L: milligrams per liter

Fluoride Time Series Graph
Baldwin Power Plant

Geosyntec consultants

Columbus, Ohio | August 2024

Figure **1**



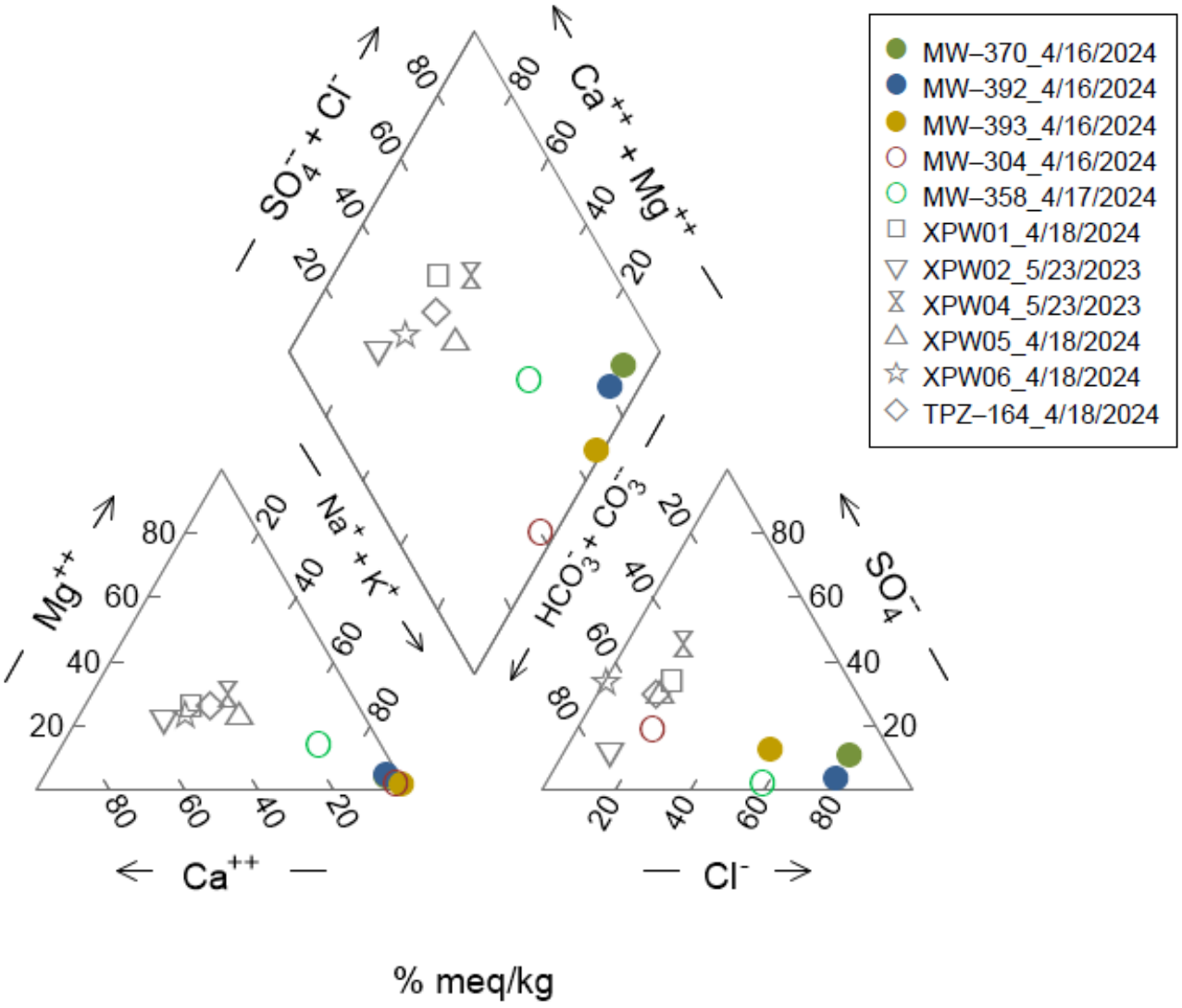
Notes:
mg/L: milligrams per liter

Lithium Time Series Graph
Baldwin Power Plant

Geosyntec consultants

Columbus, Ohio | August 2024

Figure **2**



Notes:
1. Downgradient wells MW-370, MW-392 and MW-393 are shown with solid circle symbology. Background wells MW-304 and MW-358 are shown with hollow circle symbology. BAL BAP source water (i.e., XPW01-02, XPW04-06, and TPZ-164) are shown with hollow grey symbology.
2. % meq/kg: percent milliequivalents per kilogram

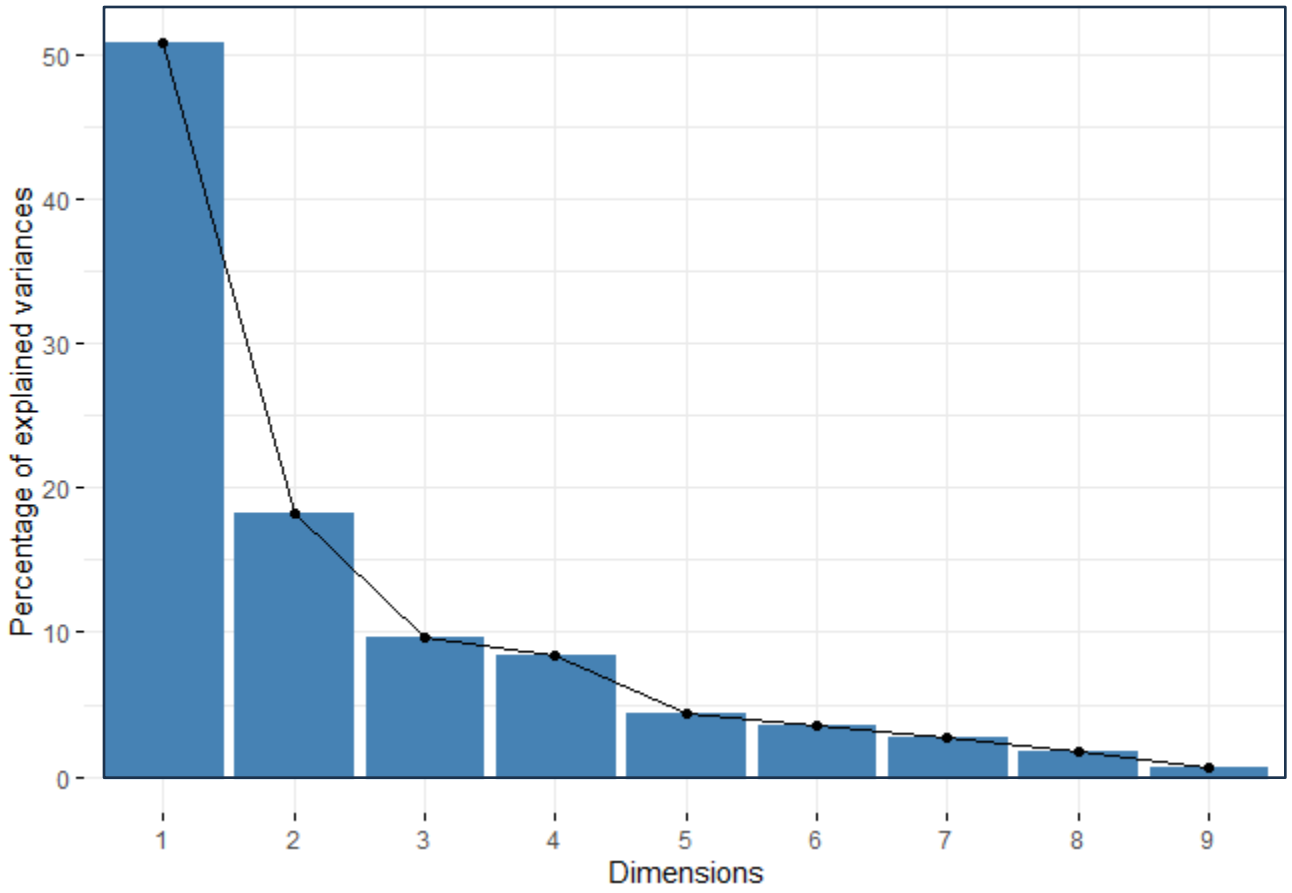
Piper Diagram

Baldwin Power Plant – Bottom Ash Pond

Geosyntec consultants

Columbus, Ohio | August 2024

Figure **3**



Notes:

1. Samples collected between 2022 and 2024 from background wells MW-304 and MW-358, downgradient wells MW-370, MW-392 and MW-393, and porewater wells TPZ-164, XPW-01, XPW-02, XPW-04, XPW-05, and XPW-06 were included in the evaluation.

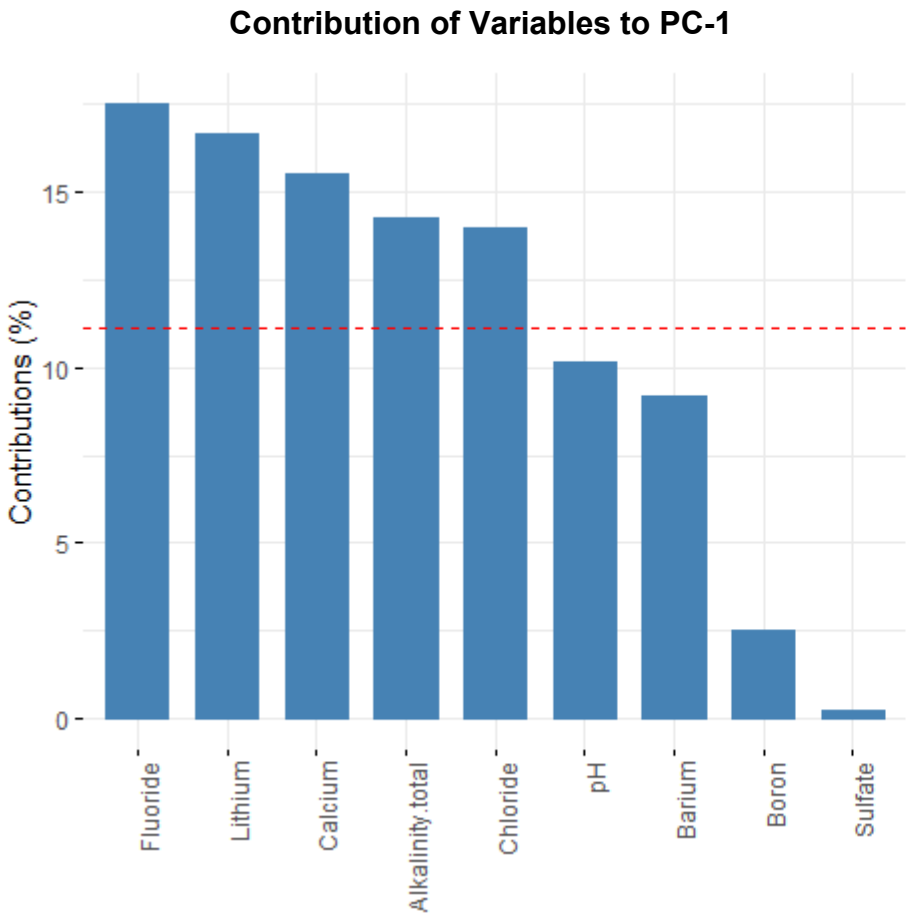
Principal Component Analysis - Quality of Representation of Principal Components

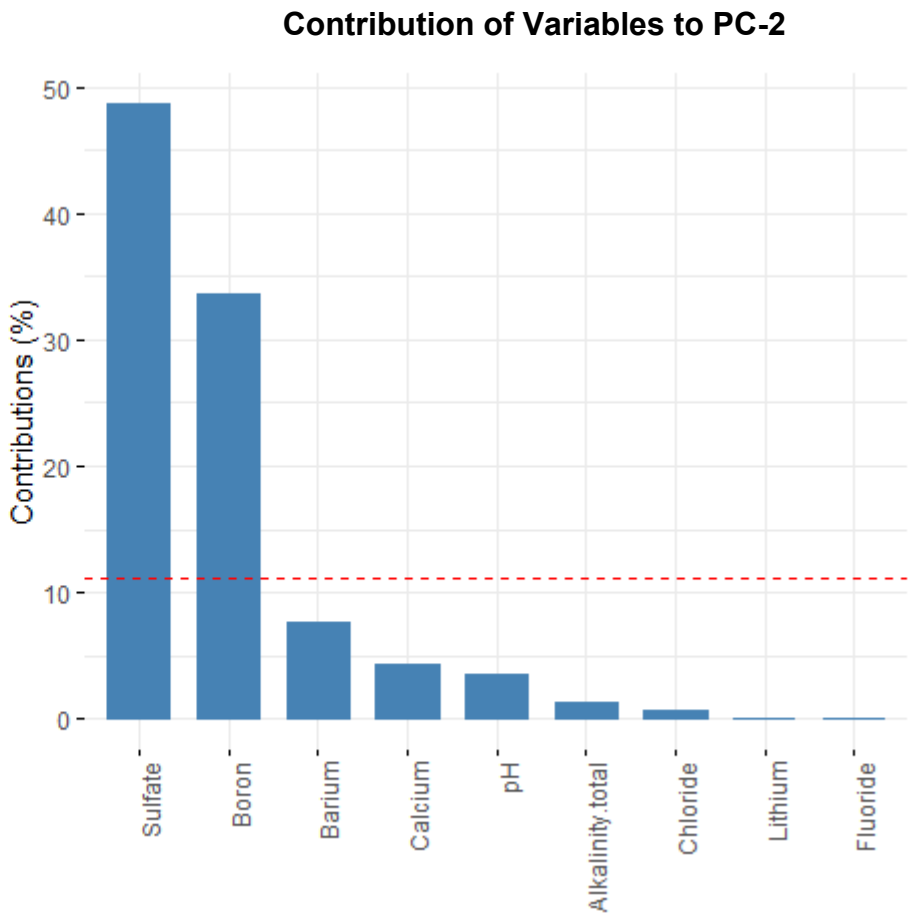
Baldwin Power Plant – Bottom Ash Pond

Geosyntec consultants

Columbus, Ohio | August 2024

Figure **4a**





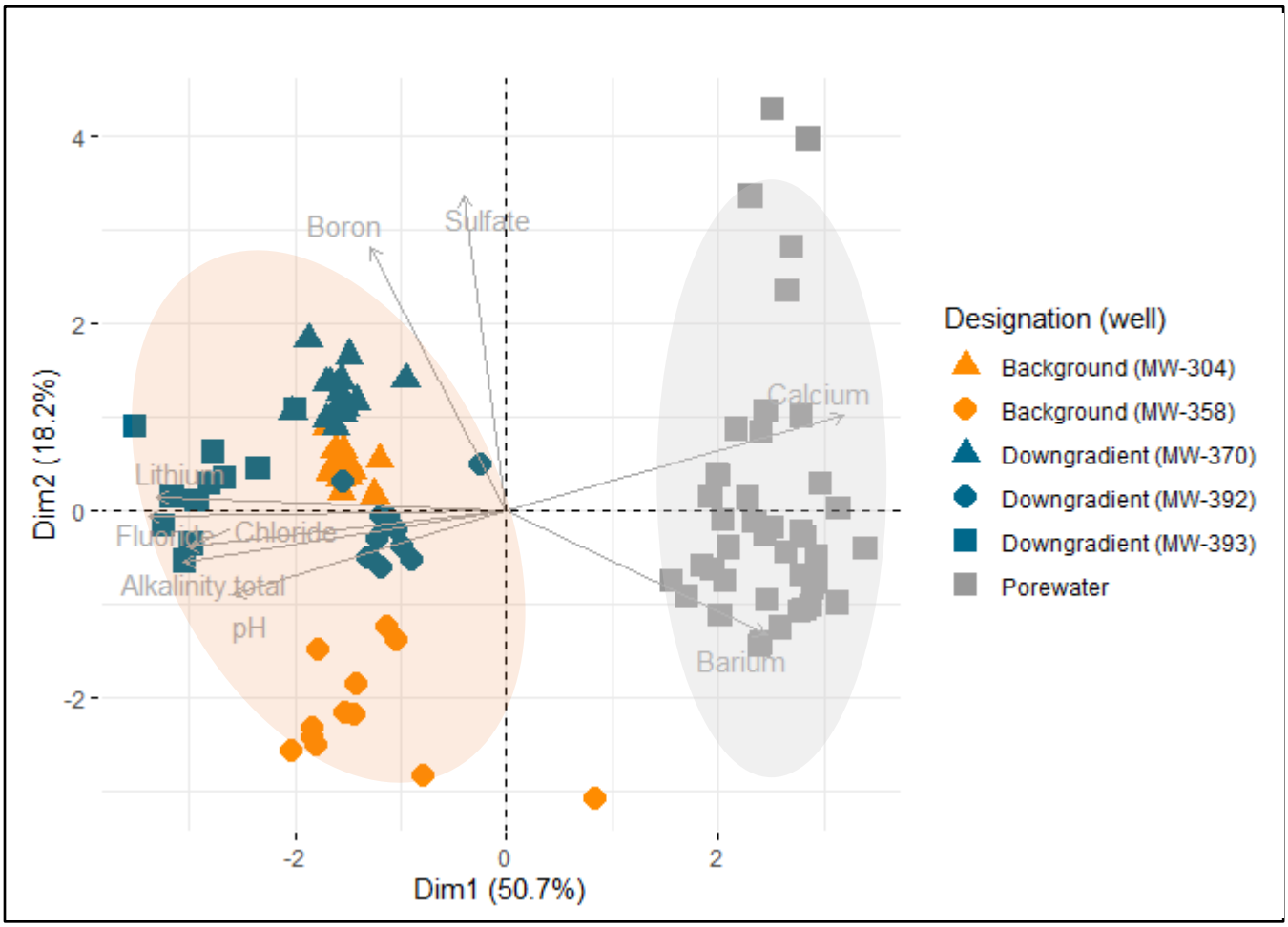
Notes:
1. The dashed red line represents the anticipated value for uniform contribution. The constituents with a contribution exceeding the reference line are considered significant in its contribution to each PC (principal component).

Contribution of Variables to First Two Principal Components
Baldwin Power Plant – Bottom Ash Pond

Geosyntec consultants

Columbus, Ohio | August 2024

Figure **4b**



Notes:

1. The ellipse containing data points within the 95% confidence interval for each group is outlined and shaded in gray for porewater, and orange for background and downgradient groups.
2. The arrows signify the correlations between the constituents and the principal components.
   PCA – Principal Component Analysis
   Dim - Dimension

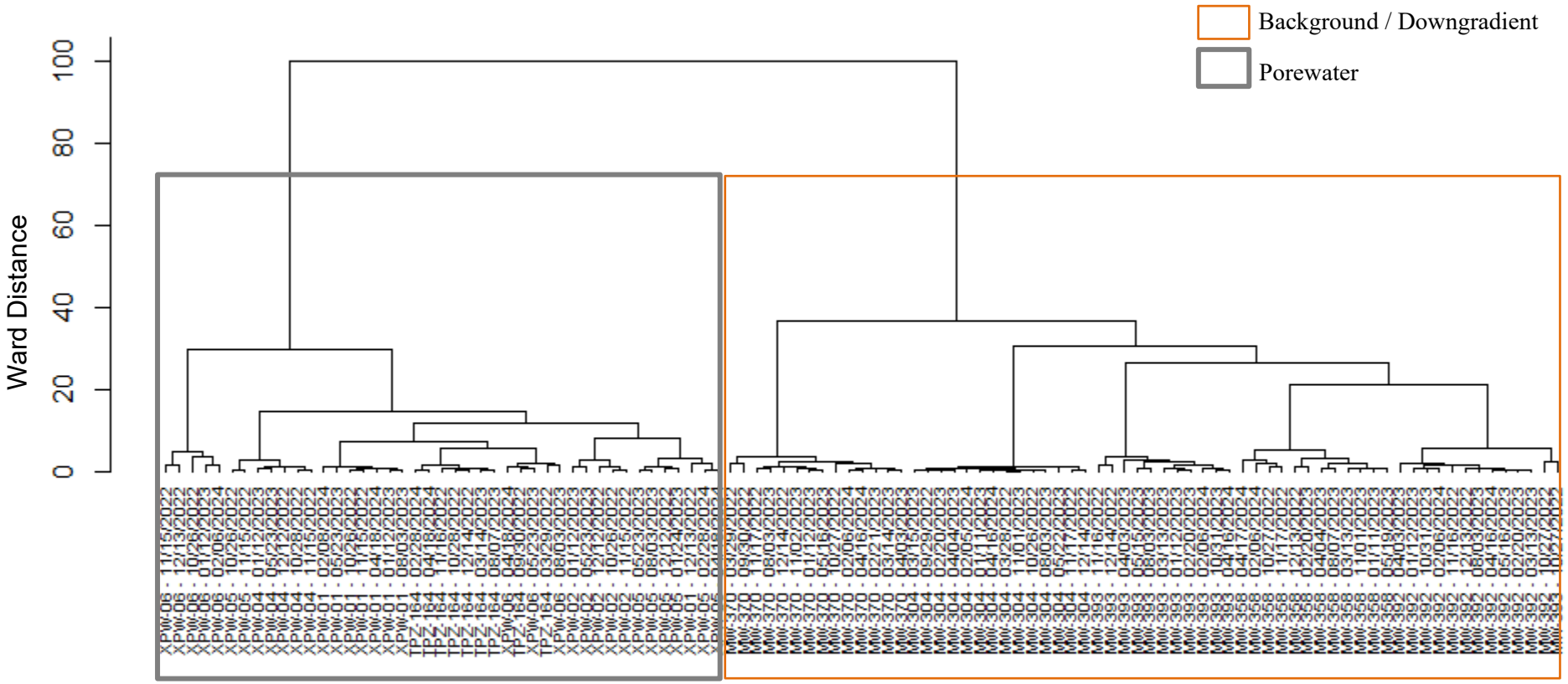
Principal Component Analysis Biplot

Baldwin Power Plant – Bottom Ash Pond

Geosyntec consultants

Columbus, Ohio | August 2024

Figure **5**



Notes:

1. The cluster analysis used Euclidean distances, and Ward's method as the clustering algorithm.
2. In the dendrogram, samples on the same branch are more similar to each other. The samples with the highest similarity are on the closest branches.
3. The boxes around the branches represent the two clusters into which samples from each source grouped.
4. Porewater wells are in gray box with thicker lines, and background and downgradient wells are in orange.

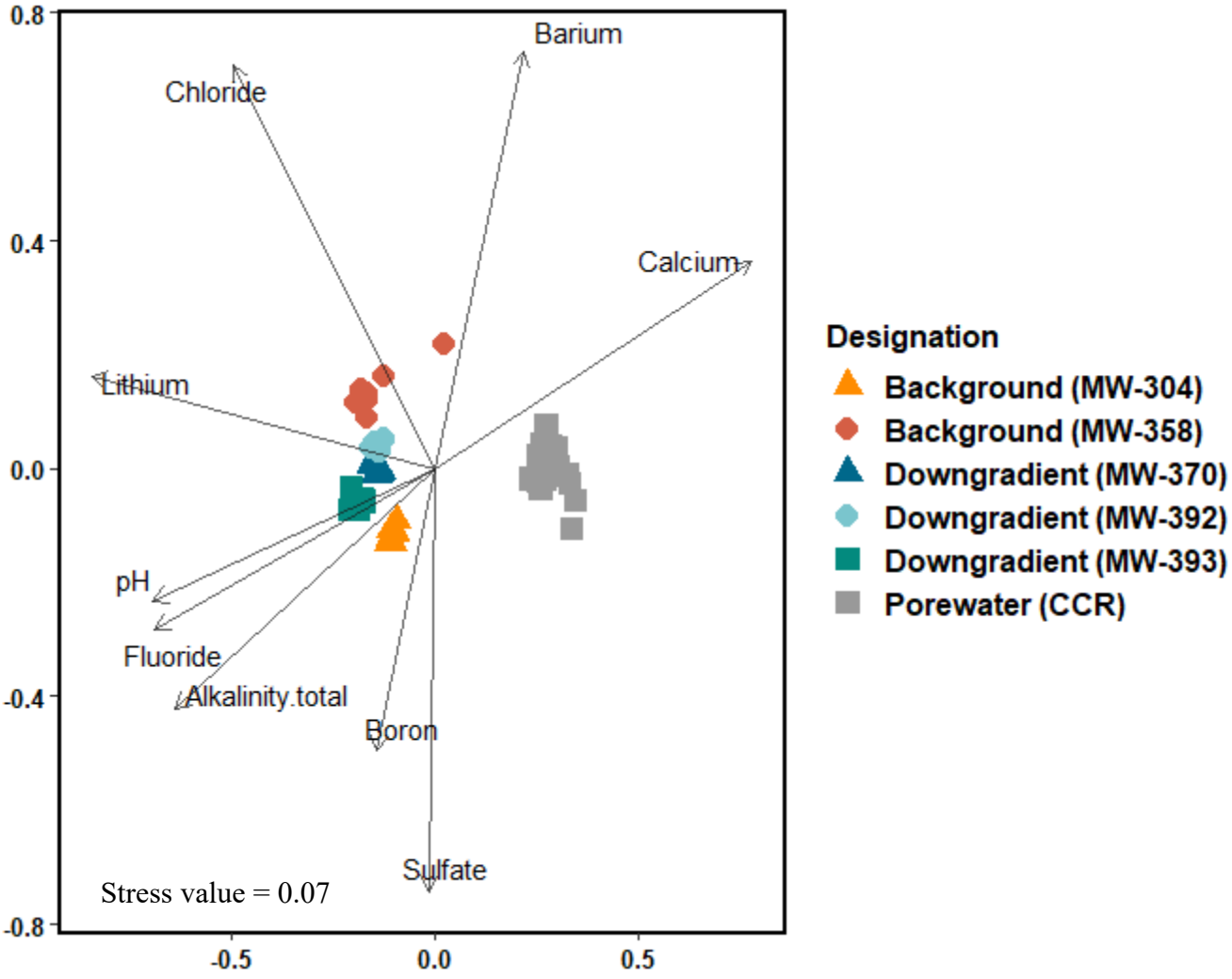
Dendrogram Graph from Cluster Analysis

Baldwin Power Plant

Geosyntec consultants

Columbus, Ohio | August 2024

Figure **6**



Notes:
1. NMDS: Non-metric Multidimensional Scaling.
2. The arrows represent the correlation between the constituents and the NMDS axes.
3. The stress value represents the goodness of fit of the NMDS ordination in reduced dimensions to the observed dissimilarity. The stress value (0.07) from the analysis indicates an acceptable fit.

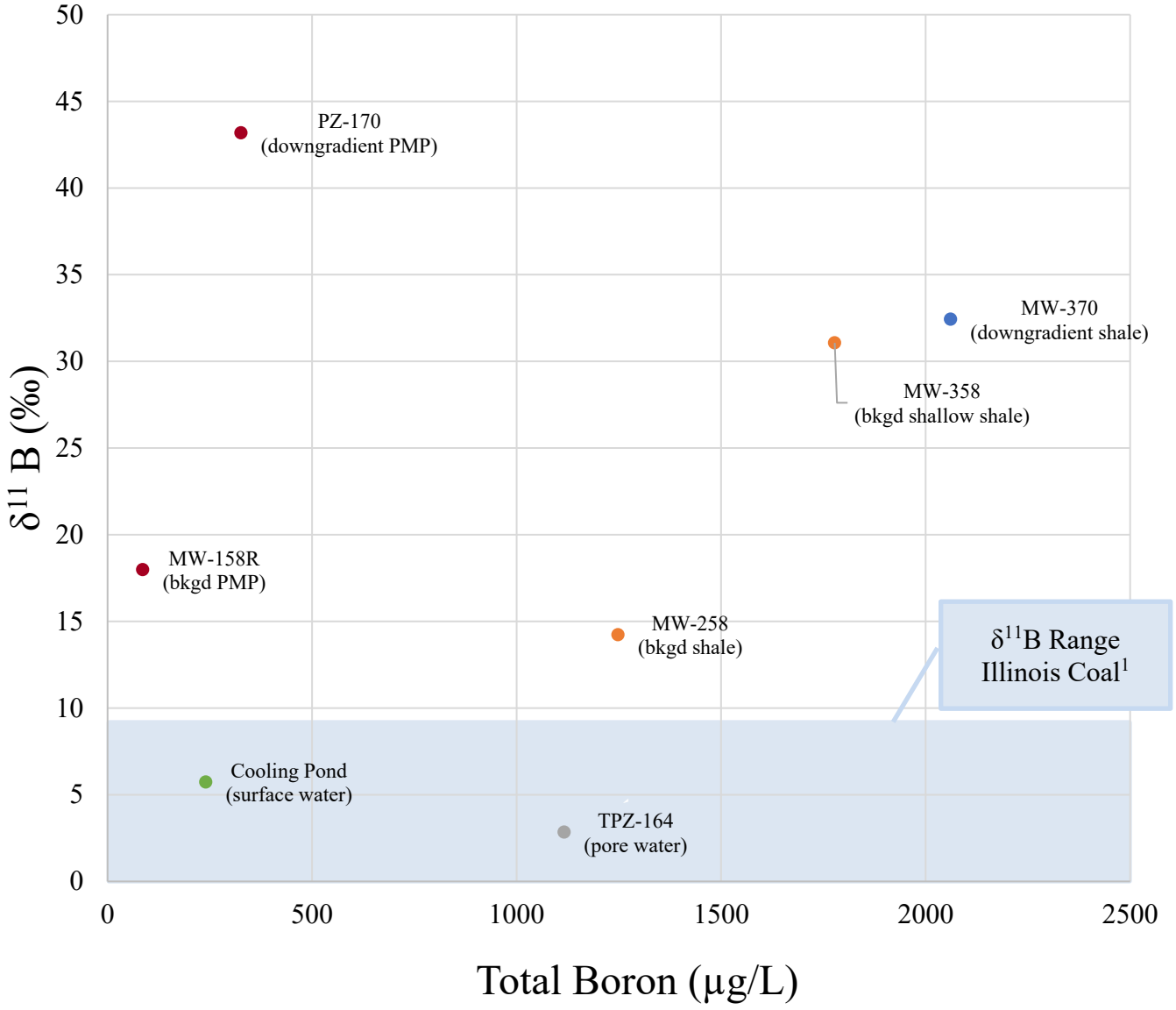
Non-Metric Multidimensional Scaling Plot

Baldwin Power Plant – Bottom Ash Pond

Geosyntec consultants

Columbus, Ohio | August 2024

Figure 7



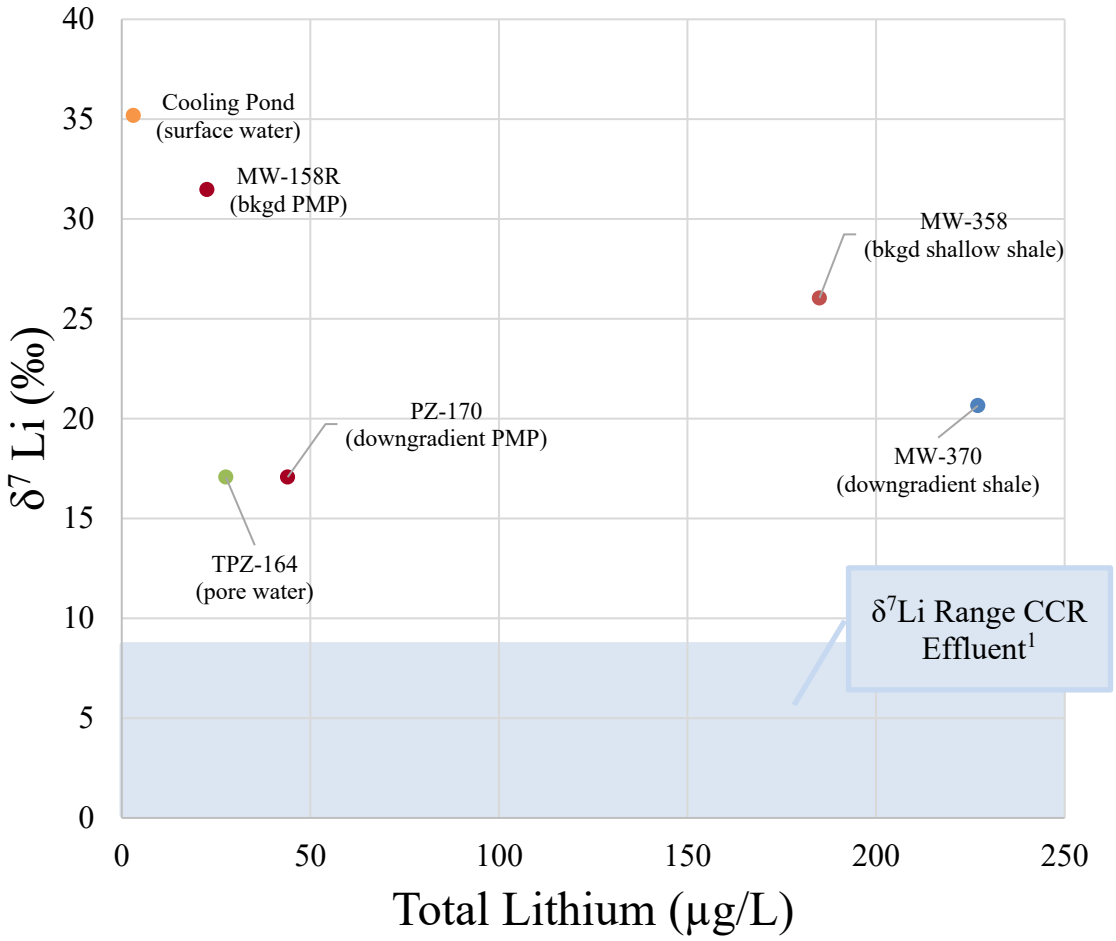
Notes:
1. $\delta^{11}B$ range from Ruhl et al 2014.
µg/L: micrograms per liter
‰: per mille
Bkgd: background
PMP: potential migration pathway

Boron Isotope Distribution
Baldwin Power Plant – Bottom Ash Pond

Geosyntec consultants

Columbus, Ohio | August 2024

Figure **8**



Notes:
1. δ^7Li range from Ruhl et al 2014.
µg/L: micrograms per liter
‰: per mille
Bkgd: background
PMP: potential migration pathway

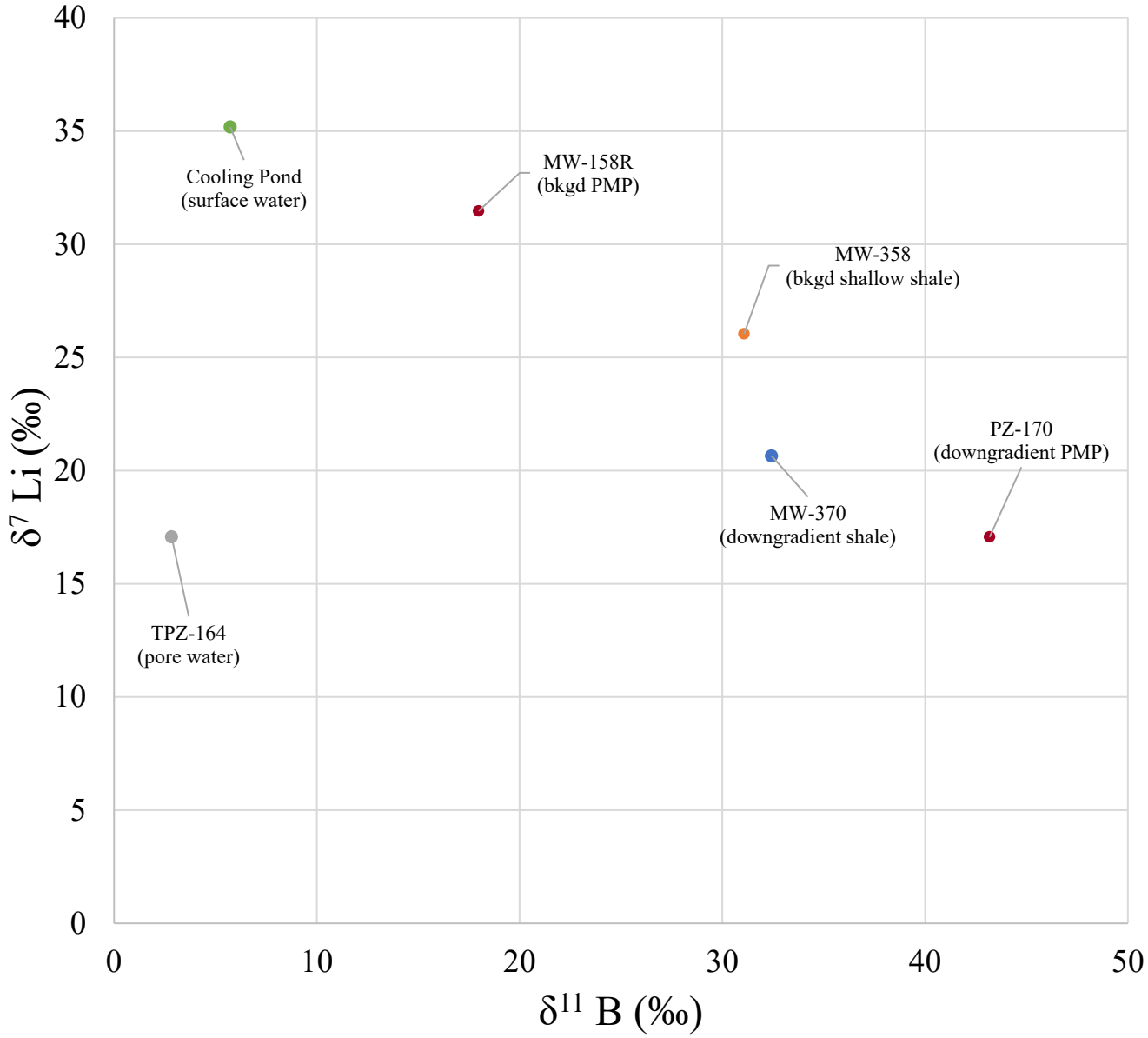
Lithium Isotope Distribution

Baldwin Power Plant – Bottom Ash Pond

Geosyntec consultants

Columbus, Ohio | August 2024

Figure **9**



Notes:
µg/L: micrograms per liter
‰: per mille
Bkgd: background
PMP: potential migration pathway

Isotopic Composition of Lithium and Boron

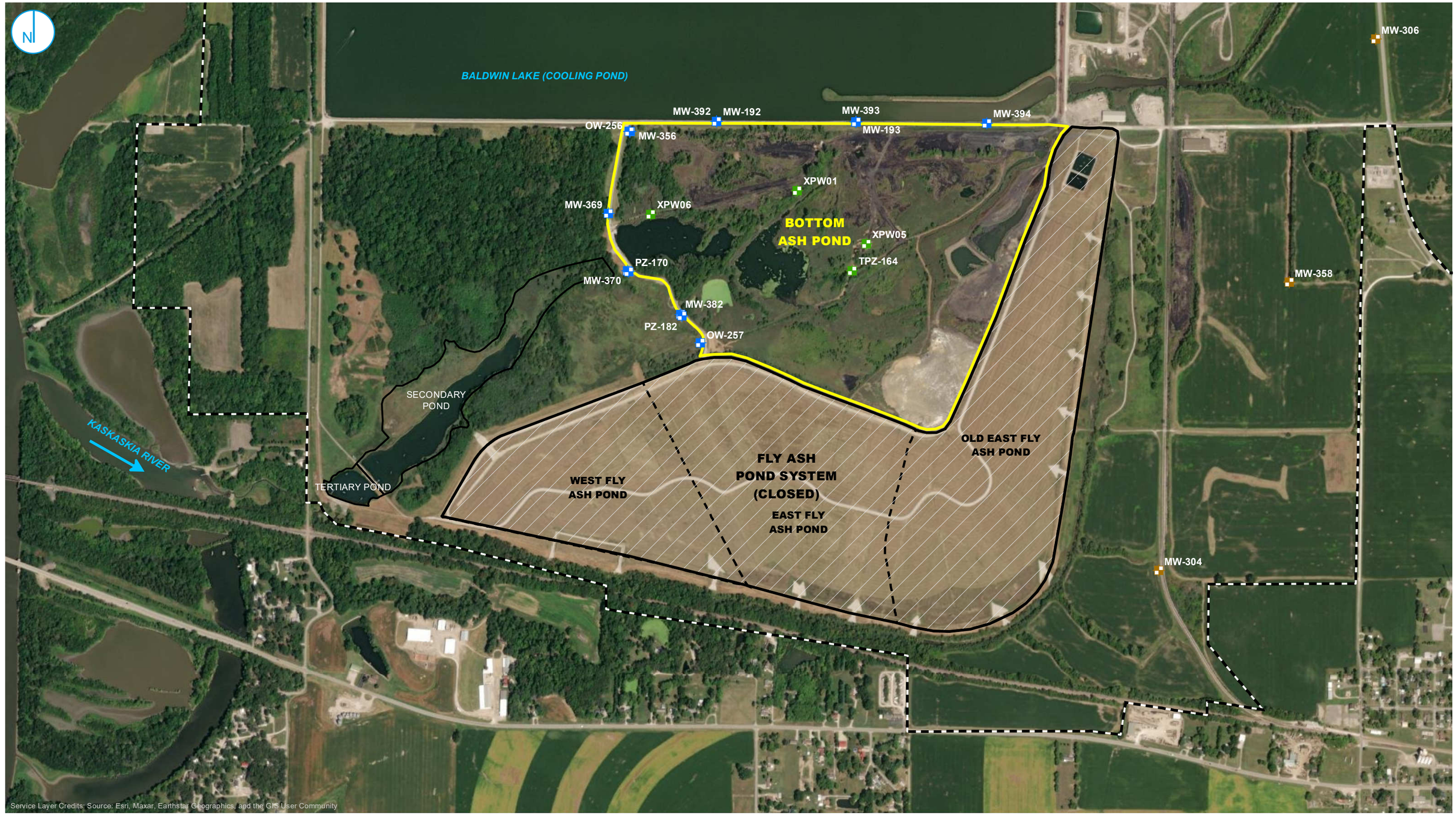
Baldwin Power Plant – Bottom Ash Pond

Geosyntec consultants

Columbus, Ohio | August 2024

Figure **10**

ATTACHMENT 1
40 CFR § 257 Groundwater Monitoring Network



Y:\Mapping\Projects\22\22885\MXD\845_AnnualGWM\2023\BAL\601\Figure 1. BAL BAP Monitoring Well Network.mxd

PROJECT: 169000XXXX | DATED: 1/23/2024 | DESIGNER: GALARNMC

BACKGROUND WELL
COMPLIANCE WELL
PORE WATER WELL

REGULATED UNIT (SUBJECT UNIT)
FLY ASH POND SYSTEM (CLOSED)
SITE FEATURE
CAPPED AREA
PROPERTY BOUNDARY

0 400 800 Feet

40 CFR § 257 GROUNDWATER MONITORING NETWORK

ALTERNATE SOURCE DEMONSTRATION

BOTTOM ASH POND
BALDWIN POWER PLANT
BALDWIN, ILLINOIS

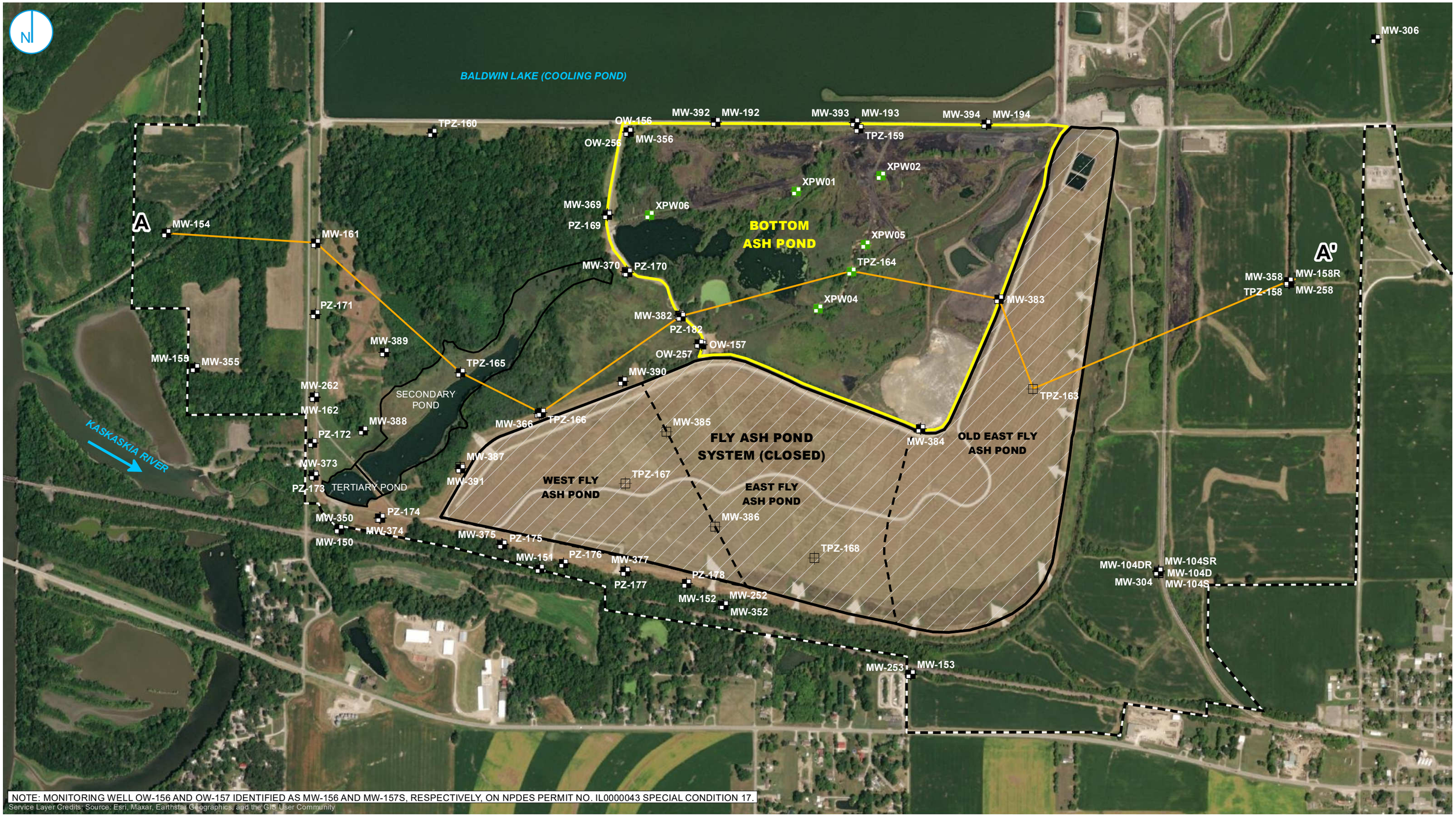
ATTACHMENT 1

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.

RAMBOLL

ATTACHMENT 2
Geologic Cross Section

Y:\Mapping\Projects\222285\MXD\Alt_Source_Dem\Baldwin_API2023\Figure 3_Cross Section Locations.mxd



NOTE: MONITORING WELL OW-156 AND OW-157 IDENTIFIED AS MW-156 AND MW-157S, RESPECTIVELY, ON NPDES PERMIT NO. IL0000043 SPECIAL CONDITION 17.

Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

- MONITORING WELL AND PIEZOMETER LOCATION
- PORE WATER WELL
- CLOSED MONITORING WELL
- CCR SOURCEWATER SAMPLE

CROSS SECTION TRANSECT

- A to A'

0 400 800 Feet

- REGULATED UNIT (SUBJECT UNIT) FLY ASH
- POND SYSTEM (CLOSED)
- SITE FEATURE
- LIMITS OF FINAL COVER
- PROPERTY BOUNDARY

CROSS SECTION LOCATION MAP

ALTERNATE SOURCE DEMONSTRATION
BOTTOM ASH POND
BALDWIN POWER PLANT
BALDWIN, ILLINOIS

FIGURE 3

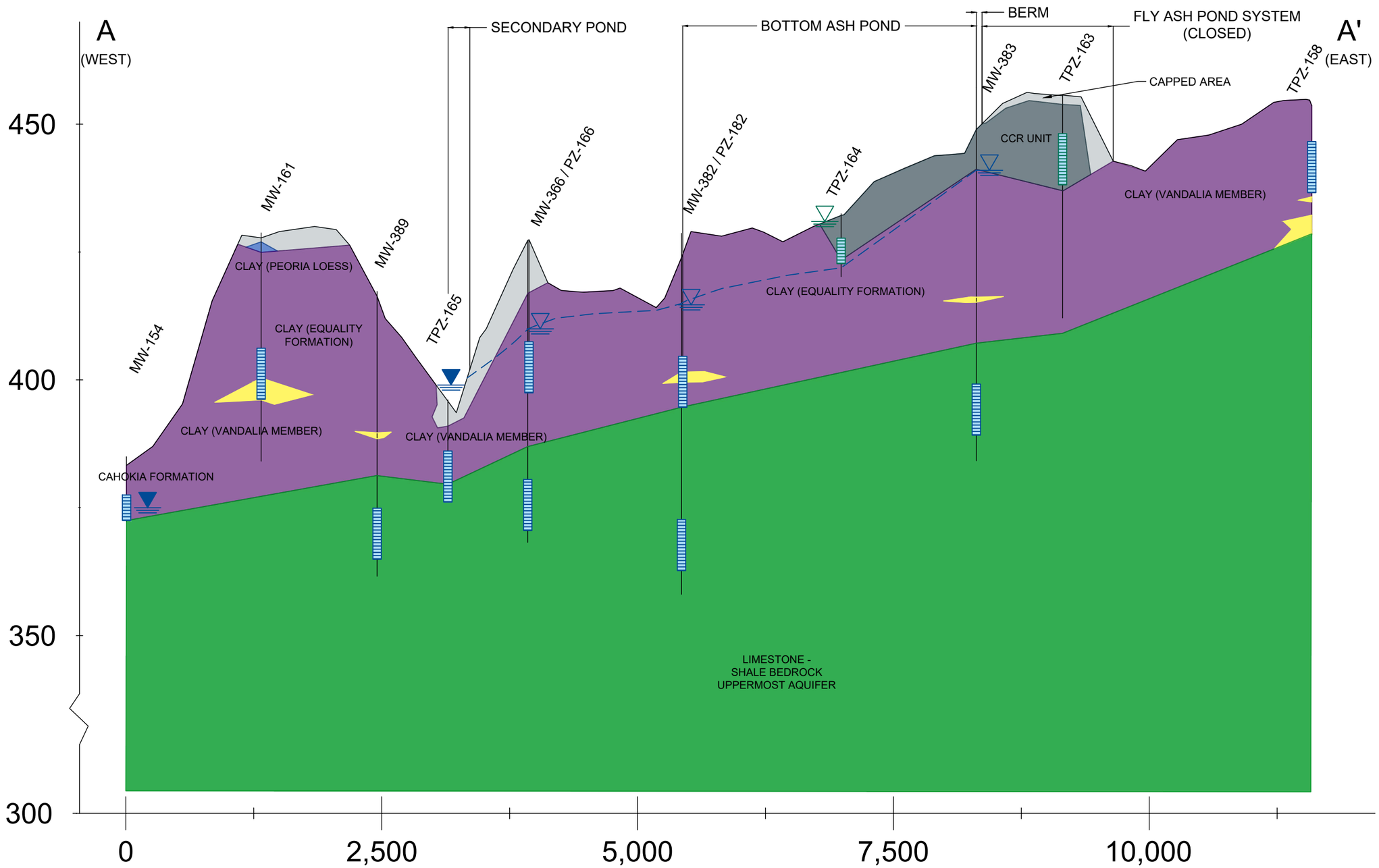
RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.

RAMBOLL

PROJECT: 169000XXXX | DATED: 4/24/2023 | DESIGNER: GALARNMC

NOTES

1. This profile was developed by interpolation between widely spaced boreholes. Only at the borehole location should it be considered as an approximately accurate representation and then only to the degree implied by the notes on the borehole logs.
2. Scale is approximate.
3. Vertical scale is exaggerated 50X.
4. Groundwater elevations measured on September 15, 2020.



LEGEND

- COAL COMBUSTION RESIDUALS (CCR)
- FILL
- CLAY (CL/CH)
- SILT (ML)
- SAND (SP/SM/SW)
- BEDROCK / WEATHERED BEDROCK (INTERBEDDED SHALE, LIMESTONE, SANDSTONE, V. LITTLE SS)
- WELL SCREEN INTERVAL
- UPPERMOST AQUIFER POTENTIOMETRIC SURFACE
- UPPERMOST AQUIFER GROUNDWATER ELEVATION
- POREWATER ELEVATION
- OTHER GROUNDWATER / SURFACE WATER ELEVATION(S)

20' / 0 / 1,000'

CROSS SECTIONS A-A'

HYDROGEOLOGIC SITE CHARACTERIZATION REPORT
BOTTOM ASH POND
BALDWIN POWER PLANT
BALDWIN, ILINNOIS

FIGURE 2-7

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.

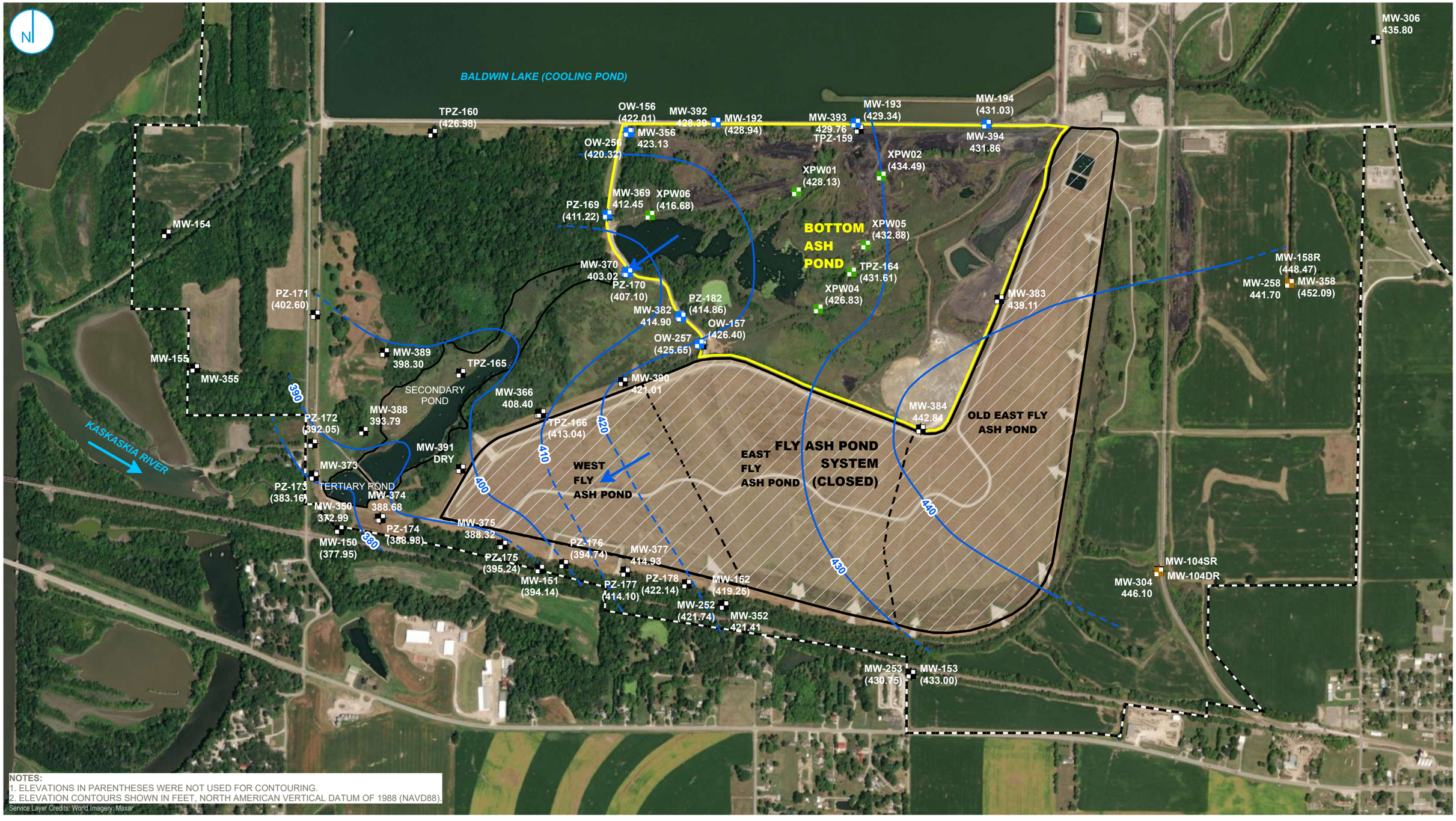
RAMBOLL

PROJECT: 1940100806 DATED: \\vistra\Shared Documents\-CCR GW\Deliverables\Part 845 Operating Permits\Sites\Baldwin BAP\Hydrogeo\Figures\EVSICAD\Baldwin Cross Sections.dwg

ATTACHMENT 3

Uppermost Aquifer Potentiometric Surface Map – April 15, 2024

Y:\Mapping\Projects\222285\MXD\GW_ContoursRound_2024\BaldwinBAP_601BAL_601_BAP_2024.aprx\BAL 601 BAP Pot Surface 20240415



NOTES:
1. ELEVATIONS IN PARENTHESES WERE NOT USED FOR CONTOURING.
2. ELEVATION CONTOURS SHOWN IN FEET, NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

Service Layer Credits: World Imagery: Maxar

- COMPLIANCE MONITORING WELL
- BACKGROUND MONITORING WELL
- MONITORING WELL
- PORE WATER WELL
- GROUNDWATER ELEVATION CONTOUR (10-FT CONTOUR INTERVAL, NAVD88)
- INFERRED GROUNDWATER ELEVATION CONTOUR
- GROUNDWATER FLOW DIRECTION
- REGULATED UNIT (SUBJECT UNIT)
- FLY ASH POND SYSTEM (CLOSED)
- SITE FEATURE
- CAPPED AREA
- PROPERTY BOUNDARY

0 400 800 Feet

POTENTIOMETRIC SURFACE MAP
APRIL 15, 2024

2024 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
BOTTOM ASH POND
BALDWIN POWER PLANT
BALDWIN, ILLINOIS

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.

RAMBOLL

PROJECT: 169000XXXX | DATED: 7/31/2024 | DESIGNER: GALARNMC

ATTACHMENT 4
Boring Logs

RAMBOLL

SOIL BORING LOG INFORMATION

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Baldwin Power Plant		MW358

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Blake Weller Cascade Drilling	10/5/2022	10/8/2022	Sonic

Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
MW358	Feet (NAVD88)	453.59 Feet (NAVD88)	6.0 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒

State Plane 556,726.26 N, 2,387,756.63 E E/W

1/4 of 1/4 of Section , T N, R

Lat 38° 11' 42.9882"

Long -89° 50' 57.9018"

Local Grid Location

Feet ☐ N ☐ S Feet ☐ E ☐ W

Facility ID	County	State	Civil Town/City/ or Village
	Randolph	IL	Baldwin

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID 10.6 eV Lamp	Soil Properties: Compressive Strength (tsf)	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 CS	180 97		1 2 3 4 5 6 7 8 9 10 11 12	0 - 3.8' **SILT:** ML, very dark grayish brown (10YR 3/2), organic material (0-10%), moist to wet. 2.1' dry. 3.8 - 8.9' **CLAYEY SILT:** ML/CL, light gray (10YR 7/2), very dark grayish brown (10YR 3/2) and yellowish brown (10YR 5/8) mottling (20-30%), dry. 8.9 - 13' **SILTY CLAY WITH SAND:** (CL/ML)S, grayish brown (10YR 5/2), strong brown (7.5YR 5/6) and very dark brown (10YR 2/2) mottling (20-30%), organic material (0-10%), low toughness, low to medium plasticity, stiff.	ML ML/CL (CL/ML)S										CS= Core Sample Measured Rock Quality Designation (RQD) was modified due to drilling methods, modified RQD equals the sum of recovered core sections greater than 4 inches in length divided by total core recovery.

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature

Firm Ramboll
234 W Florida Street, 5th Floor, Milwaukee, WI 53204
Tel: (414)837-3607
Fax: (414)837-3608

Boring Number MW358 Page 2 of 5

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID 10.6 eV Lamp	Soil Properties: Compressive Strength (tsf)	Soil Properties: Moisture Content	Soil Properties: Liquid Limit	Soil Properties: Plasticity Index	Soil Properties: P 200	RQD/ Comments
			13		(CL/ML)S									
			13	13 - 17.8' **SILTY CLAY:** CL/ML, grayish brown (10YR 5/2), strong brown (7.5YR 5/6) and very dark brown (10YR 2/2) mottling (20-30%), low toughness, medium to high plasticity, stiff to very stiff.										
2 CS	60 60		15		CL/ML									
			16	16.1' mottling discontinues.										
			18	17.8 - 21' **SILTY CLAY WITH SAND:** (CL/ML)S, brown (10YR 5/3), strong brown (7.5YR 5/6) and gray (10YR 6/1) mottling (20-30%), gravel (5-15%), no dilatancy, high toughness, low to medium plasticity, hard, moist.	(CL/ML)S									
3 CS	48 36		20											
			21	21 - 26.5' **SHALE:** BDX (SH), dark gray (GLEY 1 4/N), weathered, thin bedding, moderately fractured.										
4 CORE	36 32		24	24' -25.2' wet.	BDX (SH)									RUN #4: Modified RQD = (21/32) = 66%
			27	26.5 - 27.5' **LIMESTONE:** BDX (LS), dark gray (5Y 4/1), shaley, fossiliferous, very strong.	BDX (LS)									
5 CORE	36 29		28	27.5 - 31.3' **SHALE:** BDX (SH), grayish black (N2), weathered, highly decomposed to residual soil, wet to moist.										RUN #5: Modified RQD = (0/29) = 0%
			29	29.3' thinly bedded, moderately decomposed.	BDX (SH)									
6 CORE	72 60		30	30' slightly decomposed to competent, moderately fractured.										RUN #6: Modified RQD = (45/60) = 75%
			31	31.3 - 32' **COAL:** COAL, black (N1).	COAL									
			32											

Boring Number MW358 Page 3 of 5

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID 10.6 eV Lamp	Soil Properties: Compressive Strength (tsf)	Soil Properties: Moisture Content	Soil Properties: Liquid Limit	Soil Properties: Plasticity Index	Soil Properties: P 200	RQD/ Comments
			33	32 - 33' **SHALE:** BDX (SH), grayish black (N2), slightly decomposed to competent, moderately fractured, wet to moist.	BDX (SH)									
			34	33 - 36' **SHALEY LIMESTONE:** BDX (LS/SH), medium gray (N5), weathered, shaley, higly decomposed, slightly fractured.	BDX (LS/SH)									
			35											
7 CORE	72 71		36	36 - 40.8' **SHALEY LIMESTONE:** to **SHALE:** BDX (LS/SH), interbedded shale.										RUN #7: Modified RQD = (67/71) = 94%
			37											
			38		BDX (LS/SH)									
			39											
			40											
			41	40.8 - 42' **LIMESTONE:** BDX (LS), medium light gray (N6), strong to moderately fractured, slightly decomposed, narrow apertures.	BDX (LS)									
8 CORE	96 85		42	42 - 58.9' **SHALE:** BDX (SH), medium gray (N5) to medium dark gray (N4), weathered, weak, thinly bedded, moderately to highly fractured.										RUN #8: Modified RQD = (81/85) = 94%
			43											
			44											
			45											
			46											
			47		BDX (SH)									
			48	47.5' dark grayish brown (10YR 4/2), pale olive (5Y 6/4) discoloration, more competent.										
			49											
9 CORE	60 60		50	50.2' weak to moderate.										RUN #9: Modified RQD = (52/60) = 87%
			51	50.8' olive gray (5Y 5/2).										
			52											

Boring Number MW358 Page 4 of 5

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID 10.6 eV Lamp	Soil Properties: Compressive Strength (tsf)	Soil Properties: Moisture Content	Soil Properties: Liquid Limit	Soil Properties: Plasticity Index	Soil Properties: P 200	RQD/ Comments
			53	42 - 58.9' **SHALE:** BDX (SH), medium gray (N5) to medium dark gray (N4), weathered, weak, thinly bedded, moderately to highly fractured. *(continued)* 52.2' dark grayish green (5GY 4/2).										
			54	54.1' medium dark gray (N4) to medium gray (N5), weak, highly decomposed, no visible bedding, dry.										
10 CORE	60 58		55		BDX (SH)									RUN #10: Modified RQD = (42/58) = 72%
			56	55.7' dark grayish green (5GY 4/2).										
			57	57.2' light brownish gray (10YR 6/2), thinly bedded, laminated.										
			58	58.2' medium dark gray (N4), strong, intensely fractured, thinly bedded.										
			59	58.9 - 64' **LIMESTONE:** BDX (LS), medium gray (N5), very strong, moderately fractured, visible laminations.										
11 CORE	36 31		60											RUN #11: Modified RQD = (8/31) = 26%
			61		BDX (LS)									
			62											
12 CORE	36 36		63											RUN #12: Modified RQD = (31/36) = 86%
			64	64 - 75.3' **SHALE:** BDX (SH), medium dark gray (N4) to medium gray (N5), strong, thinly bedded to laminated, moderately fractured. 64.3' grayish green (5GY 5/2), weathered, weak, decomposed.										
13 CORE	48 48		66											RUN #13: Modified RQD = (43/48) = 90%
			67											
			68		BDX (SH)									
			69											
			70	69.3' medium dark gray (N4), weathered, moderate strength.										
14 CORE	60 58		71											RUN# 14: Modified RQD = (57/58) = 99%
			72											

Boring Number MW358 Page 5 of 5

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID 10.6 eV Lamp	Soil Properties: Compressive Strength (tsf)	Soil Properties: Moisture Content	Soil Properties: Liquid Limit	Soil Properties: Plasticity Index	Soil Properties: P 200	RQD/ Comments
			73	64 - 75.3' **SHALE:** BDX (SH), medium dark gray (N4) to medium gray (N5), strong, thinly bedded to laminated, moderately fractured. *(continued)*	BDX (SH)									
			74											
15 CORE	60 56		75											RUN #15: Modified RQD = Not Recorded
			76	75.3 - 77.1' **LIMESTONE:** BDX (LS), gray (5Y 6/1), fossiliferous, very strong.	BDX (LS)									
			77											
			78	77.1 - 78.2' **SHALE:** BDX (SH), medium dark gray (N4), weathered, weak to moderate strength, moderately decomposed.	BDX (SH)									
			79	78.2 - 84.8' **LIMESTONE:** BDX (LS), medium dark gray (N4) to medium gray (N5), shaley, fossiliferous, very strong, moderately fractured, laminations (0-5%).										
16 CORE	60 51		80											RUN #16: Modified RQD = (23/51) = 45%
			81		BDX (LS)									
			82											
			83											
			84											
17 CORE	60 60		85	84.8 - 90' **SHALE:** BDX (SH), dark gray (N3), weathered, weak to moderate strength, moderately decomposed, moderately fractured, thin bedding.										RUN #17: Modified RQD = (28/60) = 47%
			86											
			87		BDX (SH)									
			88											
			89											
			90	90' End of Boring.										

RAMBOLL

SOIL BORING LOG INFORMATION

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Baldwin Power Plant		MW392

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Blake Weller Cascade Drilling	9/9/2022	9/26/2022	Sonic

Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
MW392	Feet (NAVD88)	434.07 Feet (NAVD88)	6.0 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒

State Plane 558,140.20 N, 2,382,717.92 E E/W

1/4 of 1/4 of Section , T N, R

Lat 38° 11' 57.132"

Long -89° 52' 0.9632"

Local Grid Location

Feet ☐ N ☐ S Feet ☐ E ☐ W

Facility ID	County	State	Civil Town/City/ or Village
	Randolph	IL	Baldwin

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID 10.6 eV Lamp	Soil Properties: Compressive Strength (tsf)	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 CS	120 46		0	**0 - 1.2' FILL, WELL-GRADED GRAVEL WITH CLAY:** GW-GC, pinkish gray (7.5YR 6/2), angular, moist.	(FILL) GW-GC									CS= Core Sample Measured Rock Quality Designation (RQD) was modified due to drilling methods, modified RQD equals the sum of recovered core sections greater than 4 inches in length divided by total core recovery.
			1	1.2 - 16' **FILL, LEAN CLAY:** CL, light brown (7.5YR 6/4), sand (0-5%), no dilatancy, low to medium plasticity, moist.										
			2											
			3											
			4											
			5											
			6		(FILL) CL									
			7											
			8											
			9											
2 CS	120 62		10											
			11											
			12											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature

Firm Ramboll
234 W Florida Street, 5th Floor, Milwaukee, WI 53204
Tel: (414)837-3607
Fax: (414)837-3608

Boring Number MW392 Page 2 of 5

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID 10.6 eV Lamp	Soil Properties: Compressive Strength (tsf)	Soil Properties: Moisture Content	Soil Properties: Liquid Limit	Soil Properties: Plasticity Index	Soil Properties: P 200	RQD/ Comments
			13	1.2 - 16' **FILL, LEAN CLAY:** CL, light brown (7.5YR 6/4), sand (0-5%), no dilatancy, low to medium plasticity, moist. *(continued)*	(FILL) CL									
			14											
			15											
			16	16 - 20' **LEAN CLAY:** CL, light brown (7.5YR 6/4), sand (0-5%), no dilatancy, low to medium plasticity, moist.	CL									
			17											
			18											
			19											
3 CS	120 33		20	20 - 33' **LEAN CLAY:** CL, pinkish gray (7.5YR 6/2), sand (0-5%), medium to high plasticity, stiff, moist.										
			21											
			22											
			23											
			24											
			25											
			26		CL									
			27											
			28											
			29											
4 CS	120 104		30	30' increasing sand and gravel content.										
			31											
			32											

Boring Number MW392 Page 3 of 5

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID 10.6 eV Lamp	Soil Properties: Compressive Strength (tsf)	Soil Properties: Moisture Content	Soil Properties: Liquid Limit	Soil Properties: Plasticity Index	Soil Properties: P 200	RQD/ Comments
			33	20 - 33' **LEAN CLAY:** CL, pinkish gray (7.5YR 6/2), sand (0-5%), medium to high plasticity, stiff, moist. *(continued)*	CL									
			34	33 - 35' **WELL-GRADED SAND WITH SILT AND GRAVEL:** (SW-SM)g, fine to medium sand, dry.	(SW-SM)g									
			35	35 - 36.5' **SANDY SILT WITH GRAVEL:** s(ML)g, light yellowish brown (10YR 6/4), dry.	s(ML)g									
			36											
			37	36.5 - 39' **CLAYEY SILT:** ML/CL, gray (7.5YR 5/1), sand (5-10%), coal (0-5%), gravel (0-5%), dry.	ML/CL									
			38											
			39	39 - 40' **SILTY CLAY:** CL/ML, sand (0-5%), low to medium plasticity, stiff.	CL/ML									
5 CS	120 108		40	40 - 48' **SILT WITH SAND:** (ML)s, light brownish gray (10YR 6/2), dry.										
			41											
			42											
			43											
			44	44' increasing clay content.	(ML)s									
			45	45' (2.5Y 6/2).										
			46											
			47											
			48	48 - 52' **SILT:** ML, gray (2.5Y 5/1), sand (0-5%), dry.										
			49											
6 CS	84 81		50		ML									
			51											
			52											

Boring Number MW392 Page 4 of 5

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID 10.6 eV Lamp	Soil Properties: Compressive Strength (tsf)	Soil Properties: Moisture Content	Soil Properties: Liquid Limit	Soil Properties: Plasticity Index	Soil Properties: P 200	RQD/ Comments
			52	52 - 57' **SHALE:** BDX (SH), dark gray (5Y 4/1), highly weathered, hard, dry.										
			53	53' very dark gray (7.5YR 3/1).										
			54											
			55		BDX (SH)									
			56											
			57											
7 CORE	60 4			57 - 57.5' **LIMESTONE:** BDX (LS), gray (5Y 6/1), slightly fractured.	BDX (LS)									RUN #7: Modified RQD = 0% (No Solid Recovery > 4")
			58	57.5 - 70' **SHALE:** BDX (SH), dark gray (5Y 4/1), weathered, soft, moderately fractured to highly fractured limestone beds (0-5%).										
			59											
			60											
			61											
8 CORE	96 78		62											RUN #8: Modified RQD = (28/78) = 36%
			63											
			64		BDX (SH)									
			65											
			66											
				66.3' - 67.2' highly fractured, very soft, wet.										
			67											
			68											
			69											
			70											
9 CORE	120 62			70 - 74.4' **LIMESTONE:** BDX (LS), gray (5Y 6/1), moderately to intensely fractured, moderately wide apertures.										RUN #9: Modified RQD = (28/78) = 36%
			71		BDX (LS)									
			72											

Boring Number MW392 Page 5 of 5

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID 10.6 eV Lamp	Soil Properties: Compressive Strength (tsf)	Soil Properties: Moisture Content	Soil Properties: Liquid Limit	Soil Properties: Plasticity Index	Soil Properties: P 200	RQD/ Comments
			73	70 - 74.4' **LIMESTONE:** BDX (LS), gray (5Y 6/1), moderately to intensely fractured, moderately wide apertures. *(continued)*	BDX (LS)									
			74											
			75	74.4 - 81.8' **SHALE:** BDX (SH), medium dark gray (N4) to dark gray (N3), slightly weathered, moderately fractured, thinly bedded.	BDX (SH)									
			76											
			77											
			78											
			79											
10 CORE	48 48		80											RUN #10: Modified RQD = (28/48) = 58%
			81											
			82	81.8 - 84' **LIMESTONE:** BDX (LS), medium light gray (N6), shaley, fossiliferous, moderately fractured, thinly bedded.	BDX (LS)									
			83	83.2' medium gray (N5).										
			84	84' End of Boring.										

RAMBOLL

SOIL BORING LOG INFORMATION

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Baldwin Power Plant		MW393

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Blake Weller Cascade Drilling	9/9/2022	10/4/2022	Sonic

Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
MW393	Feet (NAVD88)	434.59 Feet (NAVD88)	6.0 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒

State Plane 558,133.57 N, 2,383,944.49 E E/W

1/4 of 1/4 of Section , T N, R

Lat 38° 11' 57.027"

Long -89° 51' 45.5976"

Local Grid Location

Feet ☐ N ☐ S Feet ☐ E ☐ W

Facility ID	County	State	Civil Town/City/ or Village
	Randolph	IL	Baldwin

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID 10.6 eV Lamp	Soil Properties: Compressive Strength (tsf)	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 CS	120 86		0	0 - 1' **FILL, WELL-GRADED GRAVEL:** GW, pinkish gray (7.5YR 6/2), angular, moist.	(FILL) GW									CS= Core Sample
			1	1 - 20' **FILL, LEAN CLAY:** CL, brown (7.5YR 6/4), sand (0-5%), no dilatancy, low to medium plasticity, moist.										Measured Rock Quality Designation (RQD) was modified due to drilling methods, modified RQD equals the sum of recovered core sections greater than 4 inches in length divided by total core recovery.
			2											
			3											
			4											
			5											
			6		(FILL) CL									
			7											
			8											
			9											
2 CS	120 120		10	10' sand (0-5%), iron concretions (0-5%).										
			11											
			12											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature

Firm Ramboll
234 W Florida Street, 5th Floor, Milwaukee, WI 53204
Tel: (414)837-3607
Fax: (414)837-3608

Boring Number MW393 Page 2 of 5

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID 10.6 eV Lamp	Soil Properties: Compressive Strength (tsf)	Soil Properties: Moisture Content	Soil Properties: Liquid Limit	Soil Properties: Plasticity Index	Soil Properties: P 200	RQD/ Comments
			13	1 - 20' **FILL, LEAN CLAY:** CL, brown (7.5YR 6/4), sand (0-5%), no dilatancy, low to medium plasticity, moist. *(continued)*										
			14											
			15											
			16		(FILL) CL									
			17											
			18	18' medium to high plasticity.										
			19											
3 CS	120 120		20	20 - 24' **LEAN CLAY:** CL, light brown (7.5YR 6/4), mottling, sand (0-5%), medium to high plasticity, cohesive, moist.										
			21											
			22		CL									
			23											
			24	24 - 27' **CLAYEY SAND:** SC, gray (10YR 6/1), fine to medium sand, wet.										
			25											
			26		SC									
			27	27 - 31' **SILT WITH SAND:** (ML)s, dark gray (7.5YR 4/1), sand (0-5%), moist.										
			28											
			29		(ML)s									
4 CS	120 105		30	30' coal fragments (0-5%).										
			31	31 - 40' **SILTY CLAY:** CL/ML, dark gray (7.5Y 4/1), organic material (0-5%), gravel (0-5%), stiff to very stiff, moist.										
			32		CL/ML									

Boring Number MW393 Page 3 of 5

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID 10.6 eV Lamp	Soil Properties: Compressive Strength (tsf)	Soil Properties: Moisture Content	Soil Properties: Liquid Limit	Soil Properties: Plasticity Index	Soil Properties: P 200	RQD/ Comments
			33	31 - 40' **SILTY CLAY:** CL/ML, dark gray (7.5Y 4/1), organic material (0-5%), gravel (0-5%), stiff to very stiff, moist. *(continued)*	CL/ML									
			34											
			35											
			36											
			37											
			38											
			39											
5 CS	120 120		40	40 - 50' **SILT:** ML, grayish brown (2.5Y 5/2), very stiff to hard, platy, dry.										
			41											
			42											
			43											
			44											
			45		ML									
			46											
			47											
			48											
			49											
6 CS	120 92		50	50 - 55' **SILT:** ML, dark gray (7.5YR 4/1), sand (0-5%), very stiff to hard, dry.										
			51		ML									
			52											

Boring Number MW393 Page 4 of 5

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID 10.6 eV Lamp	Soil Properties: Compressive Strength (tsf)	Soil Properties: Moisture Content	Soil Properties: Liquid Limit	Soil Properties: Plasticity Index	Soil Properties: P 200	RQD/ Comments
			50	50 - 55' **SILT:** ML, dark gray (7.5YR 4/1), sand (0-5%), very stiff to hard, dry. *(continued)*	ML									
			53											
			54											
			55	55 - 57' **CLAYEY SILT:** ML/CL, gray (10YR 6/1), sand (0-5%), gravel (0-5%), medium plasticity, moist.	ML/CL									
			56											
			57	57 - 60' **LIMESTONE:** BDX (LS), gray (10YR 6/1), rock flour and angular chips (<2").	BDX (LS)									
			58											
			59											
7 CORE	120 60		60	60 - 70' **SHALE:** BDX (SH), medium gray (N5), weathered, very weak, residual soil, soft, slightly fractured.	BDX (SH)									RUN #7: Modified RQD = (31/60) = 52%
			61											
			62											
			63											
			64											
			65											
			66											
			67											
			68											
			69											
8 CORE	42 40		70	70 - 73.5' **LIMESTONE:** BDX (LS), medium dark gray (N4), weathered, shaley, thinly bedded, moderately fractured.	BDX (LS)									RUN #8: Modified RQD = (32/40) = 80%
			71											
			72											

Boring Number MW393 Page 5 of 5

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID 10.6 eV Lamp	Soil Properties: Compressive Strength (tsf)	Soil Properties: Moisture Content	Soil Properties: Liquid Limit	Soil Properties: Plasticity Index	Soil Properties: P 200	RQD/ Comments
			73	70 - 73.5' **LIMESTONE:** BDX (LS), medium dark gray (N4), weathered, shaley, thinly bedded, moderately fractured. *(continued)* 72' medium gray (N5).	BDX (LS)									
9 CORE	78 40		74	73.5 - 85' **SHALE:** BDX (SH), medium gray (N5), weathered, moderately to slightly fractured, thinly laminated.										RUN #9: Modified RQD = (30/40) = 75%
			75											
			76											
			77											
			78											
			79		BDX (SH)									
10 CORE	60 45		80											RUN #10: Modified RQD = (34/45) = 76%
			81											
			82											
			83											
			84	83.5' more competent.										
			85	85' End of Boring.										

RAMBOLL

SOIL BORING LOG INFORMATION

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Baldwin Power Plant		MW394

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Blake Weller Cascade Drilling	9/25/2022	10/5/2022	Sonic

Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
MW394	Feet (NAVD88)	435.51 Feet (NAVD88)	6.0 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒

State Plane 558,123.63 N, 2,385,095.76 E E/W

1/4 of 1/4 of Section , T N, R

Lat 38° 11' 56.8911"

Long -89° 51' 31.1756"

Local Grid Location

Feet ☐ N ☐ S Feet ☐ E ☐ W

Facility ID	County	State	Civil Town/City/ or Village
	Randolph	IL	Baldwin

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID 10.6 eV Lamp	Soil Properties: Compressive Strength (tsf)	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 CS	72 / 67		0	**0 - 2.6' FILL, WELL-GRADED GRAVEL WITH CLAY:** GW-GC, brown (10YR 4/3), angular, moist.	(FILL) GW-GC									CS= Core Sample Measured Rock Quality Designation (RQD) was modified due to drilling methods, modified RQD equals the sum of recovered core sections greater than 4 inches in length divided by total core recovery.
			1											
			2											
			3	2.6 - 20' **LEAN CLAY:** CL, brown (10YR 5/3), reddish brown bottling (20%), sand (0-5%), low to medium plasticity, very stiff to hard, moist.					4					
			4											
			5						4					
2 CS	120 / 120		6											
			7		CL				2.5					
			8						3.5					
			9						2					
				9.2' brown (7.5YR 5/3), medium to high plasticity.										
			10						2					
			11						3					
			12						2.25					

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature

Firm Ramboll
234 W Florida Street, 5th Floor, Milwaukee, WI 53204
Tel: (414)837-3607
Fax: (414)837-3608

Boring Number MW394 Page 2 of 5

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID 10.6 eV Lamp	Soil Properties: Compressive Strength (tsf)	Soil Properties: Moisture Content	Soil Properties: Liquid Limit	Soil Properties: Plasticity Index	Soil Properties: P 200	RQD/ Comments
			13	2.6 - 20' **LEAN CLAY:** CL, brown (10YR 5/3), reddish brown bottling (20%), sand (0-5%), low to medium plasticity, very stiff to hard, moist. *(continued)*					2.25					
			14	14' low to medium plasticity.										
			15						2.5					
3 CS	120 120		16		CL									
			17	16.5' increasing sand and gravel content, gray (GLEY 1 5/1) iron concretions (50%).										
			18											
			19											
			20	20 - 22.1' **SILTY SAND:** SM, yellowish brown (10YR 5/6), fine sand, clay (0-5%), moist.										
			21		SM									
			22	22.1 - 36.8' **LEAN CLAY:** CL, dark yellowish brown (10YR 4/4), greenish gray (GLEY 1 5/10Y) and yellowish brown (10YR 5/6) mottling, sand (0-5%), medium to high plasticity, hard, moist.					4.5					
			23											
			24						4.5					
			25											
			26						4.5					
4 CS	120 112		27		CL				4.5					
			28						4.5					
			29						4.5					
			30						4.5					
			31						4.5					
			32						4.5					

Boring Number MW394 Page 3 of 5

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID 10.6 eV Lamp	Soil Properties: Compressive Strength (tsf)	Soil Properties: Moisture Content	Soil Properties: Liquid Limit	Soil Properties: Plasticity Index	Soil Properties: P 200	RQD/ Comments
			33	22.1 - 36.8' **LEAN CLAY:** CL, dark yellowish brown (10YR 4/4), greenish gray (GLEY 1 5/10Y) and yellowish brown (10YR 5/6) mottling, sand (0-5%), medium to high plasticity, hard, moist. *(continued)*					3.75					
			34						4.25					
			35	34.4' olive yellow (5Y 6/6), low to medium plasticity.	CL				4.5					
5 CS	120 113		36											
			37	36.8 - 48' **Weathered SHALE Bedrock:** BDX (SH), pale olive (5Y 6/3), weathered, argillaceous, fissile, moist.										
			38											
			39											
			40	40' olive gray (5Y 5/2).										
			41											
			42		BDX (SH)									
			43											
			44											
			45											
6 CS	96 96		46											
			47											
			48	48 - 58' **LIMESTONE:** to **SHALE:** BDX (LS), olive gray (5Y 4/2), interbedded limestone and shale, fissile.										
			49											
			50	50' - 50.2' limestone, very strong.	BDX (LS)									
			51											
			52											

Boring Number MW394 Page 4 of 5

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID 10.6 eV Lamp	Soil Properties: Compressive Strength (tsf)	Soil Properties: Moisture Content	Soil Properties: Liquid Limit	Soil Properties: Plasticity Index	Soil Properties: P 200	RQD/ Comments
			53	48 - 58' **LIMESTONE:** to **SHALE:** BDX (LS), olive gray (5Y 4/2), interbedded limestone and shale, fissile. *(continued)*										
7 CS	48 48		54	53.7' - 53.9' limestone, very strong. 54' - 55.6' dark gray (10YR 4/1) to gray (10YR 5/1), more competent.										
			55		BDX (LS)									
			56	55.6' gray (10YR 6/1) to dark gray (10YR 4/1), more competent.										
			57											
8 CORE	18 14		58	58 - 59.7' **LIMESTONE:** BDX (LS), medium gray (N5), shaley, laminated, moderately fractured.										RUN #8: Modified RQD = (4/14) = 29%
			59		BDX (LS)									
9 CORE	60 60		60	59.7 - 68' **SHALE:** BDX (SH), medium dark gray (N4), weathered, very weak to weak, thinly bedded, moderately fractured.										RUN #9: Modified RQD = (48/60) = 80%
			61											
			62											
			63											
			64		BDX (SH)									
10 CORE	57 56		65	64.5 - 67.2' highly decomposed, weathered, wet.										RUN #10: Modified RQD = Not Recorded
			66											
			67											
			68	68 - 68.4' **LIMESTONE:** BDX (LS), light olive gray (5Y 6/2) to olive gray (5/2).	BDX (LS)									
			69	68.4 - 70.8' **SHALE:** BDX (SH), medium dark gray (N4), weathered, very weak to weak, thinly bedded, moderately fractured.										
11 CORE	68 68		70		BDX (SH)									RUN #11: Modified RQD = (42/68) = 62%
			71	70.8 - 71' **LIMESTONE:** BDX (LS), dark gray (N3), shaley.	BDX (LS)									
			72	71 - 77.6' **SHALE:** BDX (SH), dark gray (N3),										

Boring Number MW394 Page 5 of 5

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID 10.6 eV Lamp	Soil Properties: Compressive Strength (tsf)	Soil Properties: Moisture Content	Soil Properties: Liquid Limit	Soil Properties: Plasticity Index	Soil Properties: P 200	RQD/ Comments
			73	strong, thinly bedded, moderately fractured. 71 - 77.6' **SHALE:** BDX (SH), dark gray (N3), strong, thinly bedded, moderately fractured. *(continued)*										
			74											
12 CORE	60 59		75		BDX (SH)									RUN #12: Modified RQD = (44/59) = 75%
			76											
			77											
			78	77.6 - 80' **LIMESTONE:** BDX (LS), medium gray (N5), shaley, weak, moderately fractured.										
			79		BDX (LS)									
13 CORE	60 48		80	80 - 85' **SHALE:** BDX (SH), medium dark gray (N4), weathered, weak, thinly bedded, moderately fractured, moist to wet.										RUN #13: Modified RQD = (40/48) = 83%
			81											
			82											
			83		BDX (SH)									
			84											
			85	85' End of Boring.										

SOIL BORING LOG INFORMATION

NATURAL RESOURCE TECHNOLOGY

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Baldwin Energy Complex		MW-370

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Mark Baetje Bulldog Drilling	11/20/2015	11/24/2015	4 1/4 HSA and rotary

Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
MW-370	Feet (NAVD88)	418.67 Feet (NAVD88)	8.3 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒

State Plane 556,826.50 N, 2,381,936.14 E E/Ⓦ

1/4 of 1/4 of Section , T N, R

Lat 38° 11' 44.1702"

Long -89° 52' 10.8084"

Local Grid Location ☐ N ☐ S Feet ☐ E ☐ W Feet

Facility ID	County	State	Civil Town/City/ or Village
	Randolph	Illinois	Baldwin

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	Soil Properties: Compressive Strength (tsf)	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			1	0 - 2' **SILTY CLAY** CL/ML.	CL/ML								0-28' Blind Drilled. See log PZ-170 for soil description.
			2	2 - 4' Shelby Tube Sample.									
			4	4 - 8' **SILTY CLAY** CL/ML.	CL/ML								
			8	8 - 10' **SILTY CLAY** to **LEAN CLAY:** CL/ML.	CL/ML								
			10	10 - 12' **LEAN CLAY:** CL.	CL								
			12										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature

Firm Natural Resource Technology
234 W. Florida St., Fifth Floor, Milwaukee, WI 53204
Tel: (414) 837-3607
Fax: (414) 837-3608

NATURAL RESOURCE TECHNOLOGY

Boring Number MW-370

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	Soil Properties: Compressive Strength (tsf)	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			12	12 - 14' Shelby Tube Sample.									
			14	14 - 24' **SILTY CLAY** CL/ML.	CL/ML								
			24	24 - 26' Shelby Tube Sample.									
			26	26 - 28' **SILTY CLAY** CL/ML.	CL/ML								
1 SS	10 10	23 50/4"	28	28 - 28.4' **LEAN CLAY:** CL, yellowish brown (10YR 5/4), trace angular limestone gravel, soft, medium plasticity, moist.	CL								
1 CORE	60 18.5		29	28.4 - 28.9' **SHALE:** BDX (SH), gray, highly decomposed, very weak.	BDX (SH)								Core 1, RQD=51%
			30	28.9 - 38.1' **SHALEY LIMESTONE:** BDX (LS/SH), light gray to gray, intensely fractured (extremely narrow to moderately narrow apertures), medium to thickly bedded, microcrystalline, moderately decomposed, very strong.	BDX (LS/SH)								
			31										
			32										

NATURAL RESOURCE TECHNOLOGY

Boring Number MW-370

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	Soil Properties: Compressive Strength (tsf)	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			33	28.9 - 38.1' **SHALEY LIMESTONE**: BDX (LS/SH), light gray to gray, intensely fractured (extremely narrow to moderately narrow apertures), medium to thickly bedded, microcrystalline, moderately decomposed, very strong. *(continued)*										
2 CORE	51.5 12		34	33.9' - 38.1' gray, greenish gray in fractures, trace fossils, moderately to highly decomposed, slightly to moderately disintegrated, clay in shoe with a hard, reddish brown inclusion.									Core 2, RQD=0%
			35		BDX (LS/SH)								
			36	36' - 37.9' vertical fracture.									
			37										
			38										
3 CORE	24 25		39	38.1 - 44' **SHALE**: BDX (SH), bluish gray, intensely fractured (extremely narrow to narrow apertures), highly decomposed, weak.									Core 3, RQD=40%
			40										
4 CORE	24 11		41	40.6' - 40.8 shaley limestone layer, light gray to gray, microcrystalline, moderately decomposed, very strong.	BDX (SH)								Core 4, RQD=0%
5 CORE	36 32		42	41.1' - 43.2 gray, moderately to highly decomposed.									Core 5, RQD=78%
			43										
			44										
6 CORE	12 28		45	44 - 45.7' **SHALEY LIMESTONE:** BDX (LS/SH), light gray to gray, intensely fractured (extremely narrow to narrow apertures), thin to medium bedded, microcrystalline, slightly decomposed, clay cement in apertures, very strong.	BDX (LS/SH)								Core 6, RQD=29%
7 CORE	45 27		46	45' shale layer, bluish gray, moderately fractured (extremely narrow to narrow apertures), highly decomposed, weak.									Core 7, RQD=65%
			47	45.7 - 52.2' **SHALE:** BDX (SH), bluish gray, moderately fractured (tight to narrow), highly decomposed, weak.									
			48										
			49		BDX (SH)								
8 CORE	24 30		50										Core 8, RQD=78%
			51										
9 CORE	24 24		52										Core 9, RQD=0%

NATURAL RESOURCE TECHNOLOGY

Boring Number MW-370

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	Soil Properties: Compressive Strength (tsf)	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
				52' clay cement.									
10 CORE	24 36		53	52.2 - 61.7' **SHALEY LIMESTONE:** BDX (LS/SH), light gray to gray, intensely fractured (very narrow to narrow), thin to medium bedded, microcrystalline, slightly decomposed, cemented clay in apertures, very strong.									Core 10, RQD=0%
			54	52.7' - 53' clayey sand in aperture. 53' - 53.1 shale bed, bluish gray, fossiliferous, moderately fractured (very narrow to narrow), highly decomposed, weak.									
			55	53.1' white to bluish gray, gray in the fractures (extremely narrow to moderately narrow apertures), thinly to medium bedded, slightly to moderately disintegrated.									
11 CORE	24 30		56	55.7' moderately disintegrated.									Core 11, RQD=18%
			57		BDX (LS/SH)								
			58										
12 CORE	30 27			58.1' highly decomposed.									Core 12, RQD=39%
			59										
			60										
13 CORE	36 53		61										Core 13, RQD=89%
			62	61.7 - 65.3' **LIMESTONE:** BDX (LS).									
			63										
			64		BDX (LS)								
			65										
				65.3 - 66' Overdrilled for Well Installation.									
			66	66' End of Boring.									Bedrock corehole reamed 6" in diameter to 66' for well installation.

SOIL BORING LOG INFORMATION

NATURAL RESOURCE TECHNOLOGY

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Baldwin Energy Complex		PZ-170

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Chad Dutton Bulldog Drilling	7/29/2015	7/29/2015	hollow stem auger

Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
PZ-170	Feet (NAVD88)	418.58 Feet (NAVD88)	8.3 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒

State Plane 556,822.69 N, 2,381,944.92 E E/Ⓦ

1/4 of 1/4 of Section , T N, R

Lat 38° 11' 44.106"

Long -89° 52' 10.6752"

Local Grid Location ☐N ☐S Feet ☐E ☐W Feet

Facility ID	County	State	Civil Town/City/ or Village
	Randolph	Illinois	Baldwin

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	Soil Properties: Compressive Strength (tsf)	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 SS	24 8	4 5 6 9	0	0 - 2' **SILTY CLAY** CL/ML, yellowish brown (10YR 5/6), trace brown (10YR 5/3) and very dark brown (10YR 2/2) mottling, silt (15-25%), trace roots, grass, gravel, and coarse sand, cohesive, nonplastic to low plasticity, hard (>4.5 tsf), dry.	CL/ML								
2 ST	24 21		2	2 - 4' Shelby Tube Sample.									ST2: 24" push at 500lbs of pressure.
3 SS	24 15	2 3 5 7	4	4 - 8' **SILTY CLAY** CL/ML, yellowish brown (10YR 5/6), trace brown (10YR 5/3) and very dark brown (10YR 2/2) mottling, silt (5-15%), trace very fine sand and gravel, low plasticity, very stiff to hard (2.5->4.5 tsf), dry.									
4 SS	24 17	3 5 8 8	6	6' - 7.4' trace gray (10YR 5/1) mottling.	CL/ML								
5 SS	24 17	3 4 6 6	8	8 - 10' **SILTY CLAY** to **LEAN CLAY:** CL/ML, yellowish brown (10YR 5/6), trace brown (10YR 5/3) and very dark brown (10YR 2/2) mottling, silt (5-15%), trace very fine sand and gravel, silt content decreases with depth, clay content increases with depth, medium plasticity, very stiff (3.25 tsf), dry.	CL/ML								
6 SS	24 20	3 4 5 5	10	10 - 12' **LEAN CLAY:** CL, brown (5YR 4/3), trace very dark brown (10YR 2/2) mottling, trace silt, silt content increasing with depth, medium to high plasticity, stiff (1.75-2.0 tsf).	CL								ST7: 24" push at 250lbs of pressure.
7 ST	24 24		12	12 - 14' Shelby Tube Sample.									
			13										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature

Firm Natural Resource Technology
234 W. Florida St., Fifth Floor, Milwaukee, WI 53204
Tel: (414) 837-3607
Fax: (414) 837-3608

NATURAL RESOURCE TECHNOLOGY

Boring Number PZ-170

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	Soil Properties: Compressive Strength (tsf)	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			14	12 - 14' Shelby Tube Sample. *(continued)*									
8 SS	24 21	3 5 7 8	15	14 - 24' **SILTY CLAY** CL/ML, yellowish brown (10YR 5/6), trace brown (10YR 5/3) and very dark brown (10YR 2/2) mottling, silt (10-20%), trace gravel, cohesive, low plasticity, stiff to very stiff (1.0-3.0 tsf), dry to moist. 14.9' - 15.3' very dark brown (10YR 2/2) mottling.									
9 SS	24 24	2 4 4 6	16	16' - 18.5' increaed very dark brown (10YR 2/2) mottling (5-15%), very fine sand (0-10%), trace fine gravel, subangular, cohesive, low to medium plasticity, dry to moist. 16.8' - 17.1' very dark brown (10YR 2/2) mottling.									
10 SS	24 24	1 3 3 3	17	18' - 20' silt (15-25%), very fine sand (0-10%), trace fine gravel, medium plasticity, moist.									
			18										
			19	19' layer of gravel (2" thick, subangular to subrounded).	CL/ML								
11 SS	24 20	1 2 5 7	20	19.8' very soft (0.25 tsf). 20' - 24' subangular to subrounded gravel, low plasticity, dry to moist.									
			21	20.8' increased gravel content (10-15%). 21.2' decrease in gravel content (5-15%).									
12 SS	24 20.5	3 6 8 10	22										
			23										
13 ST	24 24		24	24 - 26' Shelby Tube Sample.									ST13: 24" push at 650lbs of pressure.
			25										
14 SS	24 22	3 6 12 14	26	26 - 28.2' **SILTY CLAY** CL/ML, yellowish brown (10YR 5/6), trace brown (10YR 5/3) and very dark brown (10YR 2/2) mottling, silt (10-30%), very fine sand (0-15%), trace fine subangular to subrounded gravel, gravel decreases with depth to no gravel, trace <1mm thick very fine sand seams, cohesive, low to medium plasticity, plasticity increasing with depth, very stiff to hard (2.0->4.5 tsf), moist, decreasing silt and sand content with depth.	CL/ML								
			27										
15 SS	24 22	9 17 24 35	28										
			29	28.2 - 30' **LEAN CLAY:** CL, very dark gray (2.5Y 3/1), trace silt, cohesive, medium to high plasticity, hard (>4.5 tsf), dry.	CL								
16 SS	17 13	11 30 50 for 5"	30	28.5' black (2.5Y 2.5/1). 28.9' greenish gray (GLEY 1 6/1).									
			31	30 - 31.1' **SHALE:** to **LEAN CLAY:** BDX (SH), greenish gray (GLEY 1 6/1), trace silt, cohesive, medium to high plasticity, dry, shale (residual soil to highly decomposed, very weak, fissile). 31.1' End of Boring.	BDX (SH)								Hollow Stem Auger Refusal at 31.1 ft bgs on Shale Bedrock.

NATURAL RESOURCE TECHNOLOGY

MONITORING WELL CONSTRUCTION

Facility/Project Name: Baldwin Energy Complex	Local Grid Location of Well: ____ ft. ☐ N. ☐ S. ____ ft. ☐ E. ☐ W.	Well Name: MW-370
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☒ Lat. 38° 11' 44.170" Long. -89° 52' 10.808" or	
Facility ID	St. Plane 556,826.50 ft. N, 2,381,936.14 ft. E. E/Ⓦ	Date Well Installed: 11/25/2015
Type of Well: mw	Section Location of Waste/Source: ____ 1/4 of ____ 1/4 of Sec. ____, T. ____ N, R. ____ ☐ E ☐ W	Well Installed By: (Person's Name and Firm): Mark Baetje; Bulldog Drilling
Distance from Waste/Source: ____ ft. State: Illinois	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☒ Downgradient n ☐ Not Known	Gov. Lot Number:

A. Protective pipe, top elevation ____ ft. (NAVD88)

B. Well casing, top elevation 420.85 ft. (NAVD88)

C. Land surface elevation 418.67 ft. (NAVD88)

D. Surface seal, bottom 417.7 ft. (NAVD88) or 1.0 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☒

13. Sieve analysis attached? ☐ Yes ☒ No

14. Drilling method used: Rotary ☒ Hollow Stem Auger ☐ ____ Other ☐

15. Drilling fluid used: Water ☒ 0 2 Air ☐ Drilling Mud ☐ 0 3 None ☐

16. Drilling additives used? ☐ Yes ☒ No

Describe ____

17. Source of water (attach analysis, if required):
Village of Baldwin

E. Bentonite seal, top 389.7 ft. (NAVD88) or 29.0 ft.

F. Fine sand, top ____ ft. (NAVD88) or ____ ft.

G. Filter pack, top 367.7 ft. (NAVD88) or 51.0 ft.

H. Screen joint, top 365.7 ft. (NAVD88) or 53.0 ft.

I. Well bottom 355.7 ft. (NAVD88) or 63.0 ft.

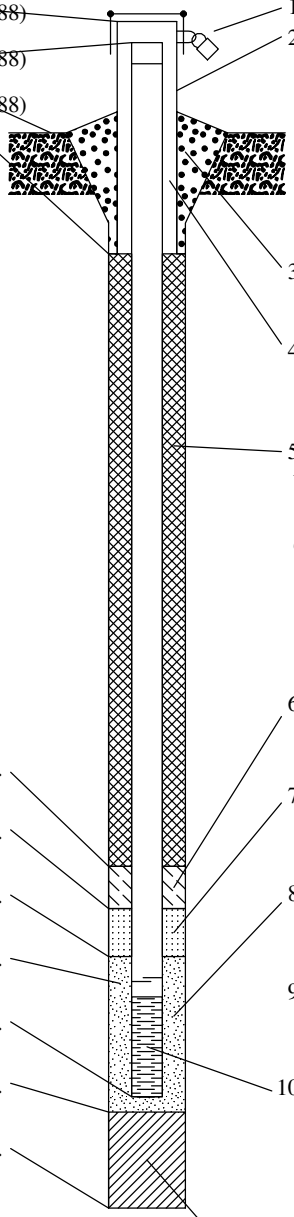
J. Filter pack, bottom 355.2 ft. (NAVD88) or 63.5 ft.

K. Borehole, bottom 352.7 ft. (NAVD88) or 66.0 ft.

L. Borehole, diameter 6.0 in.

M. O.D. well casing 2.38 in.

N. I.D. well casing 2.07 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 4.0 in.
b. Length: 5.0 ft.
c. Material: Steel ☒ Other ☐
d. Additional protection? ☒ Yes ☐ No
If yes, describe: Three steel bollards
3. Surface seal: Bentonite ☐ Concrete ☒ Other ☐
4. Material between well casing and protective pipe: Bentonite ☒ Sand Other ☒
5. Annular space seal: a. Granular/Chipped Bentonite ☐
b. ____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐
c. ____ Lbs/gal mud weight . . . Bentonite slurry ☐
d. 30 % Bentonite . . . Bentonite-cement grout ☒
e. ____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ Tremie pumped ☒ Gravity ☐
6. Bentonite seal: a. Bentonite granules ☐
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒
c. ____ Other ☐
7. Fine sand material: Manufacturer, product name & mesh size
a. ____
b. Volume added ____ ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. Unimin Corporation, FILTERSIL
b. Volume added ____ ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ Flush threaded PVC schedule 80 ☐ Other ☐
10. Screen material: Schedule 40 PVC
a. Screen Type: Factory cut ☒ Continuous slot ☐ Other ☐
b. Manufacturer ____
c. Slot size: 0.010 in.
d. Slotted length: 10.0 ft.
11. Backfill material (below filter pack): None ☐ 2.1' of bentonite chips, 0.4' of bedrock drill cuttings Other ☒

I hereby certify that the information on this form is true and correct to the best of my knowledge. Date Modified: 2/26/2016

Signature: Brad Rueter

Firm: Natural Resource Technology
234 W. Florida Street, Floor 5, Milwaukee, WI 53204
Tel: (414) 837-3607
Fax: (414) 837-3608

KELRON ENVIRONMENTAL
Incorporated

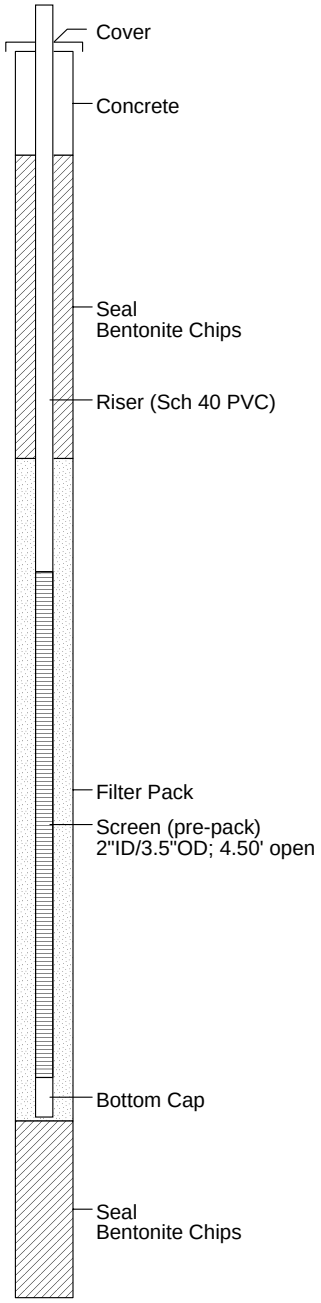
LOG OF PROBEHOLE TPZ-164

Phase II Hydrogeologic Investigation
Baldwin Energy Complex
Dynegy Midwest Generation, Inc.

Date Completed	: 08/26/2013	Driller	: John Gates
Hole Diameter	: 8 1/2" OD / 4 1/4" ID	Geologist	: Stuart Cravens (Kelron)
Drilling Method	: HSA (CME-55LC)	Ground Elevation	: 432.50
Sampling Method	: Split Spoon / Shelby Tube	Casing (MP) Elevation	: 435.10
Drilling Company	: Bulldog Drilling, LLC	X,Y Coordinates	: 2383909, 556829

Depth in Feet	DESCRIPTION	Surf. Elev. 432.50	Samples	Blow Count	Recovery inches	Qp TSF	USCS	GRAPHIC
0	FILL - Bottom Ash, coarse, black (10YR 2/1), dry							
1								
2		430						
3	- moist <Shelby Tube Sample ST164-5 @ 3-5'> grain size analysis (Ash): 50% Sand, 42.9% Silt, 7.1% Clay	429						
4			1		17/24		AR	
5	- wet	428						
6		427						
7		426						
8		425						
9	CLAY (lean), stiff, medium to high plasticity, dark gray (10YR 4/1), moist - @8.9' - light yellowish brown (10YR 6/4) with <10% light gray mottling - @9.3' - gray (10YR 6/1) with 25-50% brownish-yellow mottling (10YR 6/6)	424	2	3 3 5	18/18		CL	
10		423						
11	- light olive brown <Shelby Tube Sample ST164-12 @ 10-12'> grain size analysis: 7.2% Sand, 62.2% Silt, 30.6% Clay	422	3		23/24		CL	
12	END BOREHOLE AT 10.3 FEET BLS END Split-Spoon Sampling at 12 feet BLS	421						
		420						

Well: TPZ-164
Elev.: 435.10



11-08-2013 C:\Consulting AlPower Plants\Baldwin\Baldwin 2013 Hydrogeologic Study\Field Work Phase\Boring Logs\BEC164.BOR

KELRON ENVIRONMENTAL
Incorporated

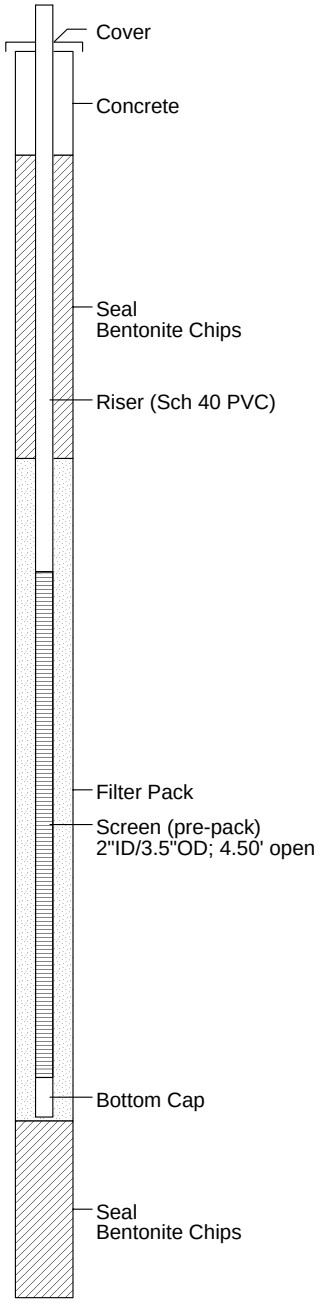
LOG OF PROBEHOLE TPZ-164

Phase II Hydrogeologic Investigation
Baldwin Energy Complex
Dynegy Midwest Generation, Inc.

Date Completed	: 08/26/2013	Driller	: John Gates
Hole Diameter	: 8 1/2" OD / 4 1/4" ID	Geologist	: Stuart Cravens (Kelron)
Drilling Method	: HSA (CME-55LC)	Ground Elevation	: 432.50
Sampling Method	: Split Spoon / Shelby Tube	Casing (MP) Elevation	: 435.10
Drilling Company	: Bulldog Drilling, LLC	X,Y Coordinates	: 2383909, 556829

Depth in Feet	DESCRIPTION	Surf. Elev. 432.50	Samples	Blow Count	Recovery inches	Qp TSF	USCS	GRAPHIC
0	FILL - Bottom Ash, coarse, black (10YR 2/1), dry							
1								
2		430						
3	- moist <Shelby Tube Sample ST164-5 @ 3-5'> grain size analysis (Ash): 50% Sand, 42.9% Silt, 7.1% Clay	429						
4			1		17/24		AR	
5	- wet	428						
6		427						
7		426						
8		425						
9	CLAY (lean), stiff, medium to high plasticity, dark gray (10YR 4/1), moist - @8.9' - light yellowish brown (10YR 6/4) with <10% light gray mottling - @9.3' - gray (10YR 6/1) with 25-50% brownish-yellow mottling (10YR 6/6)	424	2	3 3 5	18/18		CL	
10		423						
11	- light olive brown <Shelby Tube Sample ST164-12 @ 10-12'> grain size analysis: 7.2% Sand, 62.2% Silt, 30.6% Clay	422	3		23/24		CL	
12	END BOREHOLE AT 10.3 FEET BLS END Split-Spoon Sampling at 12 feet BLS	421						
		420						

Well: TPZ-164
Elev.: 435.10



11-08-2013 C:\Consulting AlPower Plants\Baldwin\Baldwin 2013 Hydrogeologic Study\Field Work Phase\Boring Logs\BEC164.BOR

RAMBOLL

SOIL BORING LOG INFORMATION

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Baldwin Power Plant		XPW01

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Arlen Little Cascade Drilling	9/23/2022	9/23/2022	Sonic

Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
XPW01	Feet (NAVD88)	435.12 Feet (NAVD88)	6.0 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒

State Plane 557,530.38 N, 2,383,427.03 E E/W

1/4 of 1/4 of Section , T N, R

Lat 38° 11' 51.0807"

Long -89° 51' 52.1047"

Local Grid Location

Feet ☐ N ☐ S Feet ☐ E ☐ W

Facility ID	County	State	Civil Town/City/ or Village
	Randolph	IL	Baldwin

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID 10.6 eV Lamp	Soil Properties: Compressive Strength (tsf)	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 CS	120 45		0	0 - 0.5' **FILL, ASH (Coal):** SM, black (10YR 2/1), silt to sand-sized ash, organic material (5-10%), loose, wet.	(FILL) SM									CS= Core Sample
			1	0.5 - 1.5' **FILL, SILTY CLAY:** CL/ML, medium to high plasticity, stiff.	(FILL) CL/ML				1					
			2	1.5 - 3.2' **FILL, ASH (Coal):** SM, black (10YR 2/1), silt to sand-sized ash, wet.	(FILL) SM									
			3	3.2 - 4.1' **FILL, SILTY CLAY:** CL/ML, gray (10YR 5/1), medium plasticity, soft, moist.	(FILL) CL/ML				0.5					
			4	4.1 - 11' **FILL, ASH (Coal):** SM, black (10YR 2/1), silt to sand-sized ash, wet.										
			5	5.4' very dark gray.										
			6											
			7		(FILL) SM									
			8											
			9											
2 CS	48 30		10											
			11	11 - 11.9' **FILL, ASH (Coal):** SW-SM, black (10YR 2/1), silt to sand-sized ash, wet.	(FILL) SW-SM									
			12											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature

Firm Ramboll
234 W Florida Street, 5th Floor, Milwaukee, WI 53204
Tel: (414)837-3607
Fax: (414)837-3608

Boring Number XPW01 Page 2 of 2

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID 10.6 eV Lamp	Soil Properties: Compressive Strength (tsf)	Soil Properties: Moisture Content	Soil Properties: Liquid Limit	Soil Properties: Plasticity Index	Soil Properties: P 200	RQD/ Comments
			13	11.9 - 14' **SILTY CLAY:** CL/ML, dark grayish brown (10YR 4/2), yellowish brown to gray (10YR 5/1) mottling (10-20%), medium to high plasticity, very stiff, moist. *(continued)*	CL/ML				2.75					
			14						3					
				14' End of Boring.										

RAMBOLL

SOIL BORING LOG INFORMATION

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Baldwin Power Plant		XPW02

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Arlen Little Cascade Drilling	9/24/2022	9/24/2022	Sonic

Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
XPW02	Feet (NAVD88)	434.86 Feet (NAVD88)	6.0 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane 557,667.96 N, 2,384,171.76 E E/W
1/4 of 1/4 of Section , T N, R
Lat 38° 11' 52.4167"
Long -89° 51' 42.7697"
Local Grid Location
Feet ☐ N ☐ S Feet ☐ E ☐ W

Facility ID	County	State	Civil Town/City/ or Village
	Randolph	IL	Baldwin

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID 10.6 eV Lamp	Soil Properties: Compressive Strength (tsf)	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 CS	120 120		0	0 - 9.5' **FILL, ASH (Coal):** SM, greenish black (GLEY 1 2.5/1), silt to sand-sized ash, gravel (0-5%), loose, moist.	(FILL) SM									CS=Core Sample
			1											
			2											
			3											
			4											
			5											
			6											
			7											
			8											
			9											
2 CS	48 48		10	9.5 - 11' **FILL, ASH (Coal):** SW-SM, reddish black (2.5YR 2.5/1), silt to sand-sized ash, silt (5-15%), moist to wet.	(FILL) SW-SM									
			11	11 - 14' **SILTY CLAY:** CL/ML, dark greenish gray (GLEY 1 4/1), medium to high plasticity, stiff to very stiff, moist.	CL/ML				1.25					
			12											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature

Firm Ramboll
234 W Florida Street, 5th Floor, Milwaukee, WI 53204
Tel: (414)837-3607
Fax: (414)837-3608

Boring Number XPW02 Page 2 of 2

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID 10.6 eV Lamp	Soil Properties: Compressive Strength (tsf)	Soil Properties: Moisture Content	Soil Properties: Liquid Limit	Soil Properties: Plasticity Index	Soil Properties: P 200	RQD/ Comments
			13	11 - 14' **SILTY CLAY:** CL/ML, dark greenish gray (GLEY 1 4/1), medium to high plasticity, stiff to very stiff, moist. *(continued)* 13' yellowish brown (10YR 5/4).	CL/ML				2.5 2					
			14	14' End of Boring.										

RAMBOLL

SOIL BORING LOG INFORMATION

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Baldwin Power Plant		XPW04

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Blake Weller Cascade Drilling	9/24/2022	9/24/2022	Sonic

Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
XPW04	Feet (NAVD88)	430.59 Feet (NAVD88)	6.0 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒

State Plane 556,502.51 N, 2,383,618.45 E E/W

1/4 of 1/4 of Section , T N, R

Lat 38° 11' 40.9132"

Long -89° 51' 49.7489"

Local Grid Location: Feet ☐ N ☐ S, Feet ☐ E ☐ W

Facility ID	County	State	Civil Town/City/ or Village
	Randolph	IL	Baldwin

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID 10.6 eV Lamp	Soil Properties: Compressive Strength (tsf)	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 CS	120 85		0	0 - 6' **FILL, ASH (Coal):** SM, black (10YR 2/1) to very dark gray (10YR 3/1), silt to sand-sized ash, clay (5-15%), gravel (0-5%), wood (0-5%), moist.	(FILL) SM									CS=Core Sample
			6	6 - 16.5' **FILL, ASH (Coal):** SW, black (10YR 2/1), sand-sized ash, silt (10-20%), clay (0-5%), loose, wet.	(FILL) SW									
2 CS	60 60		10											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature

Firm Ramboll
234 W Florida Street, 5th Floor, Milwaukee, WI 53204
Tel: (414)837-3607
Fax: (414)837-3608

Boring Number XPW04 Page 2 of 2

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID 10.6 eV Lamp	Soil Properties: Compressive Strength (tsf)	Soil Properties: Moisture Content	Soil Properties: Liquid Limit	Soil Properties: Plasticity Index	Soil Properties: P 200	RQD/ Comments
			13	6 - 16.5' **FILL, ASH (Coal):** SW, black (10YR 2/1), sand-sized ash, silt (10-20%), clay (0-5%), loose, wet. *(continued)*										
			14		(FILL) SW									
3 CS	60 50.4		15	15' interbedded silty clay.										
			16											
			17	16.5 - 20' **SILTY CLAY:** CL/ML, greenish gray (GLEY 1 6/1), yellowish brown mottling (10%), sand (0-5%), medium to high plasticity, very stiff, moist.					2.75					
			18		CL/ML				3.25					
			19						3.5					
			20	20' End of Boring.										

RAMBOLL

SOIL BORING LOG INFORMATION

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Baldwin Power Plant		XPW05

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Blake Weller Cascade Drilling	9/24/2022	9/24/2022	Sonic

Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
XPW05	Feet (NAVD88)	434.12 Feet (NAVD88)	6.0 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒

State Plane 557,062.95 N, 2,384,034.20 E E/W

1/4 of 1/4 of Section , T N, R

Lat 38° 11' 46.4401"

Long -89° 51' 44.5179"

Local Grid Location

Feet ☐ N ☐ S Feet ☐ E ☐ W

Facility ID	County	State	Civil Town/City/ or Village
	Randolph	IL	Baldwin

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID 10.6 eV Lamp	Soil Properties: Compressive Strength (tsf)	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 CS	120 55		0	0 - 21.9' **ASH (Coal):** (SW)g, black (10YR 2/1) to very dark gray (10YR 3/1), sand-sized ash, silt (5-15%), clay (0-5%), organic material (0-5%), loose, moist.	(SW)g									
			1											
			2											
			3											
			4											
			5											
			6											
			7											
			8											
			9											
2 CS	120 88		10											
			11											
			12											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature

Firm Ramboll
234 W Florida Street, 5th Floor, Milwaukee, WI 53204
Tel: (414)837-3607
Fax: (414)837-3608

Boring Number XPW05 Page 2 of 2

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID 10.6 eV Lamp	Soil Properties: Compressive Strength (tsf)	Soil Properties: Moisture Content	Soil Properties: Liquid Limit	Soil Properties: Plasticity Index	Soil Properties: P 200	RQD/ Comments
			13	0 - 21.9' **ASH (Coal):** (SW)g, black (10YR 2/1) to very dark gray (10YR 3/1), sand-sized ash, silt (5-15%), clay (0-5%), organic material (0-5%), loose, moist. *(continued)*										
			14											
			15	15' saturated.										
			16											
			17		(SW)g									
			18											
			19											
3 CS	120 120		20											
			21											
			22	21.9 - 24.5' **ASH (Coal):** ML, dark gray (10YR 4/1) to dark grayish brown (10YR 4/2), silt-sized ash, clay (5-15%), sand (0-5%), non-plastic, wet.										
			23		ML									
			24											
			25	24.5 - 28.2' **ASH (Coal):** (SW)g, black (10YR 2/1), sand-sized ash, silt (5-15%), loose, wet.										
			26		(SW)g									
			27											
			28											
			29	28.2 - 30' **SILTY CLAY:** CL/ML, gray (10YR 5/1), light yellowish brown (10YR 6/4) mottling, sand (0-5%), very stiff to hard, medium plasticity, moist.	CL/ML				3.5 4.5					
			30	30' End of Boring.										

RAMBOLL

SOIL BORING LOG INFORMATION

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Baldwin Power Plant		XPW06

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Arlen Little Cascade Drilling	9/22/2022	9/22/2022	Sonic

Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
XPW06	Feet (NAVD88)	418.06 Feet (NAVD88)	6.0 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒

State Plane 557,323.97 N, 2,382,140.04 E E/W

1/4 of 1/4 of Section , T N, R

Lat 38° 11' 49.0814"

Long -89° 52' 8.2353"

Local Grid Location

Feet ☐ N ☐ S Feet ☐ E ☐ W

Facility ID	County	State	Civil Town/City/ or Village
	Randolph	IL	Baldwin

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID 10.6 eV Lamp	Soil Properties: Compressive Strength (tsf)	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 CS	72 72		0	0 - 5' **FILL, ASH (Coal):** SM, black (10YR 2/1) to very dark grayish brown (10YR 3/2), silt to sand-sized ash, angular gravel (5-15%), clay (5-15%), loose, moist.	(FILL) SM									CS=Core Sample
			5	5 - 5.4' **FILL, ASH (Coal):** CL/ML, dark greenish gray (GLEY 1 4/1), medium plasticity, soft.	(FILL) CL/ML									
2 CS	120 120		6	5.4 - 9.9' **FILL, ASH (Coal):** SM, black (10YR 2/1), silt to sand-sized ash, clay (5-15%), loose, moist.	(FILL) SM									
			7	7 - 9.9' interbedded silty clay.										
			10	9.9 - 16' **SILTY CLAY:** CL/ML, greenish gray (GLEY 1 6/1), sand (0-5%), organic material (0-5%), medium to high plasticity, very stiff, moist. 10.5' light olive brown (2.5Y 5/3), yellowish brown to reddish brown mottling (50%).	CL/ML									

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature

Firm Ramboll
234 W Florida Street, 5th Floor, Milwaukee, WI 53204
Tel: (414)837-3607
Fax: (414)837-3608

Boring Number XPW06 Page 2 of 2

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID 10.6 eV Lamp	Soil Properties: Compressive Strength (tsf)	Soil Properties: Moisture Content	Soil Properties: Liquid Limit	Soil Properties: Plasticity Index	Soil Properties: P 200	RQD/ Comments
			13	9.9 - 16' **SILTY CLAY:** CL/ML, greenish gray (GLEY 1 6/1), sand (0-5%), organic material (0-5%), medium to high plasticity, very stiff, moist. *(continued)*										
			14	13.7' dark greenish gray (GLEY 1 4/1), reddish brown mottling (10%).	CL/ML									
			15											
			16	16' End of Boring.										

RAMBOLL

MONITORING WELL CONSTRUCTION

Facility/Project Name: Baldwin Power Plant	Local Grid Location of Well: ____ ft. ☐ N. ☐ S. ____ ft. ☐ E. ☐ W.	Well Name: XPW01
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☒ Lat. 38° 11' 51.1" Long. -89° 51' 52.1" or	
Facility ID	St. Plane 557,530 ft. N, 2,383,427 ft. E. E /Ⓦ	Date Well Installed: 09/23/2022
Type of Well	Section Location of Waste/Source: ____ 1/4 of ____ 1/4 of Sec. ____, T. ____ N, R. ____ ☐ E ☐ W	Well Installed By: (Person's Name and Firm): Arlen Little
Distance from Waste/Source ____ ft. / State: IL	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known / Gov. Lot Number: ____	Cascade Drilling

A. Protective pipe, top elevation 438.45 ft. (NAVD88)

B. Well casing, top elevation 437.66 ft. (NAVD88)

C. Land surface elevation 435.12 ft. (NAVD88)

D. Surface seal, bottom 434.1 ft. (NAVD88) or 1.0 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☒ SP ☐
SM ☒ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis attached? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ Hollow Stem Auger ☐ Sonic Other ☒

15. Drilling fluid used: Water ☐ 0 2 Air ☐ Drilling Mud ☐ 0 3 None ☒

16. Drilling additives used? ☐ Yes ☒ No

Describe ____

17. Source of water (attach analysis, if required):

E. Bentonite seal, top 434.1 ft. (NAVD88) or 1.0 ft.

F. Fine sand, top 431.1 ft. (NAVD88) or 4.0 ft.

G. Filter pack, top 430.1 ft. (NAVD88) or 5.0 ft.

H. Screen joint, top 428.1 ft. (NAVD88) or 7.0 ft.

I. Well bottom 423.1 ft. (NAVD88) or 12.0 ft.

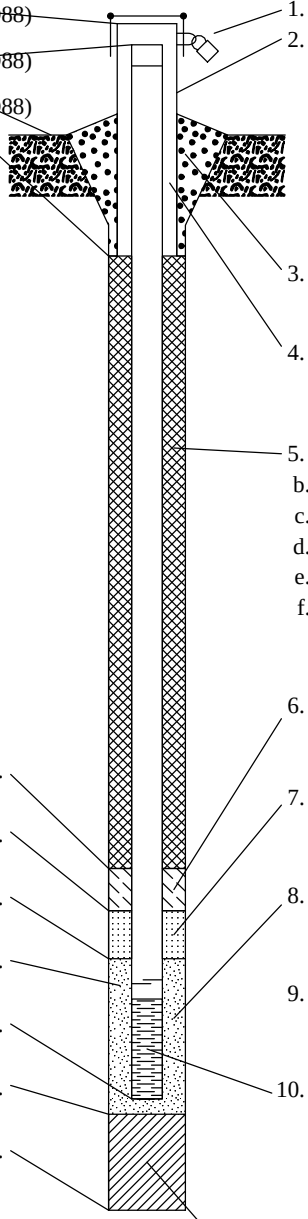
J. Filter pack, bottom 421.1 ft. (NAVD88) or 14.0 ft.

K. Borehole, bottom 421.1 ft. (NAVD88) or 14.0 ft.

L. Borehole, diameter 6.0 in.

M. O.D. well casing 2.38 in.

N. I.D. well casing 2.07 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
   a. Inside diameter: 4.0 in.
   b. Length: 5.0 ft.
   c. Material: Steel ☒ Other ☐ ____
   d. Additional protection? ☐ Yes ☒ No
   If yes, describe: ____
3. Surface seal: Bentonite ☐ Concrete ☒ Other ☐ ____
4. Material between well casing and protective pipe: Bentonite ☐ Other ☐ ____
5. Annular space seal: a. Granular/Chipped Bentonite ☒
   b. ____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐
   c. ____ Lbs/gal mud weight . . . Bentonite slurry ☐
   d. ____ % Bentonite . . . Bentonite-cement grout ☐
   e. ____ Ft^3 volume added for any of the above
   f. How installed: Tremie ☐ Tremie pumped ☐ Gravity ☒
6. Bentonite seal: a. Bentonite granules ☐
   b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒
   c. ____ Other ☐
7. Fine sand material: Manufacturer, product name & mesh size
   a. ____
   b. Volume added ____ ft^3
8. Filter pack material: Manufacturer, product name & mesh size
   a. Filtersil
   b. Volume added ____ ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ Flush threaded PVC schedule 80 ☐ Other ☐ ____
10. Screen material: Schedule 40 PVC
    a. Screen Type: Factory cut ☒ Continuous slot ☐ Other ☐ ____
    b. Manufacturer ____
    c. Slot size: 0.010 in.
    d. Slotted length: 5.0 ft.
11. Backfill material (below filter pack): None ☒ Other ☐ ____

I hereby certify that the information on this form is true and correct to the best of my knowledge. Date Modified: 12/16/2022

Signature ____ Firm Ramboll
234 W Florida Street, 5th Floor, Milwaukee, WI 53204
Tel: (414)837-3607
Fax: (414)837-3608

RAMBOLL

MONITORING WELL CONSTRUCTION

Facility/Project Name: Baldwin Power Plant	Local Grid Location of Well: ____ ft. ☐ N. ☐ S. ____ ft. ☐ E. ☐ W.	Well Name: XPW02
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☒ Lat. 38° 11' 52.4" Long. -89° 51' 42.8" or St. Plane 557,668 ft. N, 2,384,172 ft. E. E/Ⓦ	Date Well Installed: 09/24/2022
Facility ID	Section Location of Waste/Source: ____ 1/4 of ____ 1/4 of Sec. ____, T. ____ N, R. ____ ☐ E ☐ W	Well Installed By: (Person's Name and Firm): Arlen Little; Cascade Drilling
Type of Well	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	Gov. Lot Number: ____
Distance from Waste/Source: ____ ft.	State: IL	

A. Protective pipe, top elevation 438.60 ft. (NAVD88)

B. Well casing, top elevation 437.92 ft. (NAVD88)

C. Land surface elevation 434.86 ft. (NAVD88)

D. Surface seal, bottom 433.9 ft. (NAVD88) or 1.0 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☒ SP ☐
SM ☒ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis attached? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ Hollow Stem Auger ☐ Sonic Other ☒

15. Drilling fluid used: Water ☐ 0 2 Air ☐ Drilling Mud ☐ 0 3 None ☒

16. Drilling additives used? ☐ Yes ☒ No

Describe ____

17. Source of water (attach analysis, if required):

E. Bentonite seal, top 433.9 ft. (NAVD88) or 1.0 ft.

F. Fine sand, top 430.9 ft. (NAVD88) or 4.0 ft.

G. Filter pack, top 429.9 ft. (NAVD88) or 5.0 ft.

H. Screen joint, top 428.9 ft. (NAVD88) or 6.0 ft.

I. Well bottom 423.9 ft. (NAVD88) or 11.0 ft.

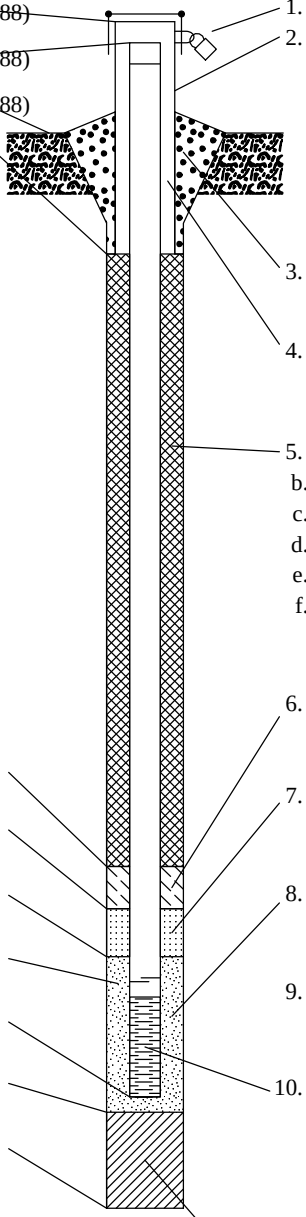
J. Filter pack, bottom 422.9 ft. (NAVD88) or 12.0 ft.

K. Borehole, bottom 420.9 ft. (NAVD88) or 14.0 ft.

L. Borehole, diameter 6.0 in.

M. O.D. well casing 2.38 in.

N. I.D. well casing 2.07 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
   a. Inside diameter: 4.0 in.
   b. Length: 5.0 ft.
   c. Material: Steel ☒ Other ☐ ____
   d. Additional protection? ☐ Yes ☒ No
   If yes, describe: ____
3. Surface seal: Bentonite ☐ Concrete ☒ Other ☐ ____
4. Material between well casing and protective pipe: Bentonite ☐ Other ☐ ____
5. Annular space seal: a. Granular/Chipped Bentonite ☒
   b. ____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐
   c. ____ Lbs/gal mud weight . . . Bentonite slurry ☐
   d. ____ % Bentonite . . . Bentonite-cement grout ☐
   e. ____ Ft^3 volume added for any of the above
   f. How installed: Tremie ☐ Tremie pumped ☐ Gravity ☒
6. Bentonite seal: a. Bentonite granules ☐
   b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒
   c. ____ Other ☐
7. Fine sand material: Manufacturer, product name & mesh size
   a. ____
   b. Volume added ____ ft^3
8. Filter pack material: Manufacturer, product name & mesh size
   a. Filtersil
   b. Volume added ____ ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ Flush threaded PVC schedule 80 ☐ Other ☐ ____
10. Screen material: Schedule 40 PVC
    a. Screen Type: Factory cut ☒ Continuous slot ☐ Other ☐ ____
    b. Manufacturer ____
    c. Slot size: 0.010 in.
    d. Slotted length: 5.0 ft.
11. Backfill material (below filter pack): None ☐ 3/8" bentonite chips Other ☒

I hereby certify that the information on this form is true and correct to the best of my knowledge. Date Modified: 12/16/2022

Signature: [signature]

Firm: Ramboll
234 W Florida Street, 5th Floor, Milwaukee, WI 53204
Tel: (414)837-3607
Fax: (414)837-3608

RAMBOLL

MONITORING WELL CONSTRUCTION

Facility/Project Name: Baldwin Power Plant	Local Grid Location of Well: ____ ft. ☐ N. ☐ S. ____ ft. ☐ E. ☐ W.	Well Name: XPW04
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☒ Lat. 38° 11' 40.9" Long. -89° 51' 49.7" or St. Plane 556,503 ft. N, 2,383,618 ft. E. E/Ⓦ	Date Well Installed: 10/05/2022
Facility ID	Section Location of Waste/Source: ____ 1/4 of ____ 1/4 of Sec. ____, T. ____ N, R. ____ ☐ E ☐ W	Well Installed By: (Person's Name and Firm): Arlen Little
Type of Well	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	Gov. Lot Number: ____
Distance from Waste/Source: ____ ft.	State: IL	Cascade Drilling

A. Protective pipe, top elevation 434.91 ft. (NAVD88)

B. Well casing, top elevation 434.58 ft. (NAVD88)

C. Land surface elevation 430.59 ft. (NAVD88)

D. Surface seal, bottom 429.6 ft. (NAVD88) or 1.0 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☒ SP ☐
SM ☒ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis attached? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ Hollow Stem Auger ☐ Sonic Other ☒

15. Drilling fluid used: Water ☐ 0 2 Air ☐ Drilling Mud ☐ 0 3 None ☒

16. Drilling additives used? ☐ Yes ☒ No

Describe ____

17. Source of water (attach analysis, if required):

E. Bentonite seal, top 429.6 ft. (NAVD88) or 1.0 ft.

F. Fine sand, top 426.1 ft. (NAVD88) or 4.5 ft.

G. Filter pack, top 425.1 ft. (NAVD88) or 5.5 ft.

H. Screen joint, top 424.1 ft. (NAVD88) or 6.5 ft.

I. Well bottom 414.1 ft. (NAVD88) or 16.5 ft.

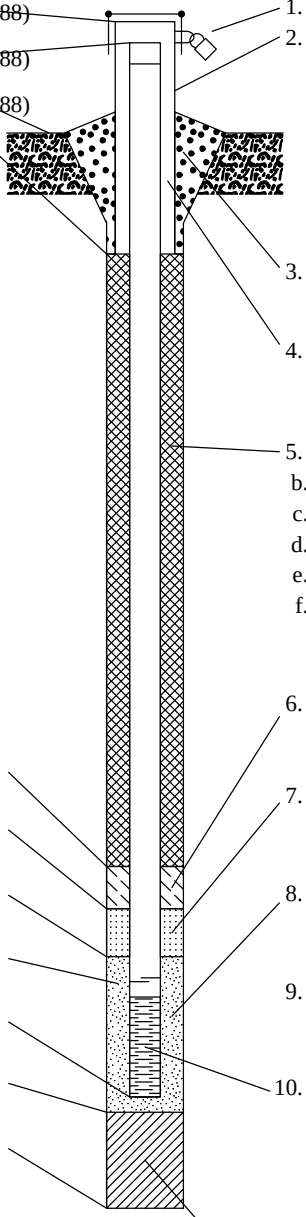
J. Filter pack, bottom 413.1 ft. (NAVD88) or 17.5 ft.

K. Borehole, bottom 410.6 ft. (NAVD88) or 20.0 ft.

L. Borehole, diameter 6.0 in.

M. O.D. well casing 2.38 in.

N. I.D. well casing 2.07 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
   a. Inside diameter: 4.0 in.
   b. Length: 5.0 ft.
   c. Material: Steel ☒ Other ☐ ____
   d. Additional protection? ☐ Yes ☒ No
   If yes, describe: ____
3. Surface seal: Bentonite ☐ Concrete ☒ Other ☐ ____
4. Material between well casing and protective pipe: Bentonite ☐ Other ☐ ____
5. Annular space seal: a. Granular/Chipped Bentonite ☒
   b. ____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐
   c. ____ Lbs/gal mud weight . . . Bentonite slurry ☐
   d. ____ % Bentonite . . . Bentonite-cement grout ☐
   e. ____ Ft^3 volume added for any of the above
   f. How installed: Tremie ☐ Tremie pumped ☐ Gravity ☒
6. Bentonite seal: a. Bentonite granules ☐
   b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒
   c. ____ Other ☐
7. Fine sand material: Manufacturer, product name & mesh size
   a. ____
   b. Volume added ____ ft^3
8. Filter pack material: Manufacturer, product name & mesh size
   a. Filtersil
   b. Volume added ____ ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ Flush threaded PVC schedule 80 ☐ Other ☐ ____
10. Screen material: Schedule 40 PVC
    a. Screen Type: Factory cut ☒ Continuous slot ☐ Other ☐ ____
    b. Manufacturer ____
    c. Slot size: 0.010 in.
    d. Slotted length: 10.0 ft.
11. Backfill material (below filter pack): None ☐ 3/8" bentonite chips Other ☒

I hereby certify that the information on this form is true and correct to the best of my knowledge. Date Modified: 12/16/2022

Signature ____ Firm Ramboll
234 W Florida Street, 5th Floor, Milwaukee, WI 53204
Tel: (414)837-3607
Fax: (414)837-3608

RAMBOLL

MONITORING WELL CONSTRUCTION

Facility/Project Name: Baldwin Power Plant

Facility License, Permit or Monitoring No.:

Facility ID:

Type of Well:

Distance from Waste/Source: ft.

State: IL

Local Grid Location of Well: ft. ☐ N. ☐ S. ft. ☐ E. ☐ W.

Local Grid Origin ☐ (estimated: ☐) or Well Location ☒

Lat. 38° 11' 46.4" Long. -89° 51' 44.5" or

St. Plane 557,063 ft. N, 2,384,034 ft. E. E /Ⓦ

Section Location of Waste/Source: ☐ E ☐ W

1/4 of 1/4 of Sec. , T. N, R.

Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known

Gov. Lot Number:

Well Name: XPW05

Date Well Installed: 09/24/2022

Well Installed By: (Person's Name and Firm): Arlen Little; Cascade Drilling

A. Protective pipe, top elevation 437.57 ft. (NAVD88)

B. Well casing, top elevation 437.27 ft. (NAVD88)

C. Land surface elevation 434.12 ft. (NAVD88)

D. Surface seal, bottom 433.1 ft. (NAVD88) or 1.0 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☒ SP ☐
SM ☐ SC ☐ ML ☒ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis attached? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ Hollow Stem Auger ☐ Sonic Other ☒

15. Drilling fluid used: Water ☐ 0 2 Air ☐ Drilling Mud ☐ 0 3 None ☒

16. Drilling additives used? ☐ Yes ☒ No

Describe

17. Source of water (attach analysis, if required):

E. Bentonite seal, top 433.1 ft. (NAVD88) or 1.0 ft.

F. Fine sand, top 418.1 ft. (NAVD88) or 16.0 ft.

G. Filter pack, top 417.1 ft. (NAVD88) or 17.0 ft.

H. Screen joint, top 416.1 ft. (NAVD88) or 18.0 ft.

I. Well bottom 406.1 ft. (NAVD88) or 28.0 ft.

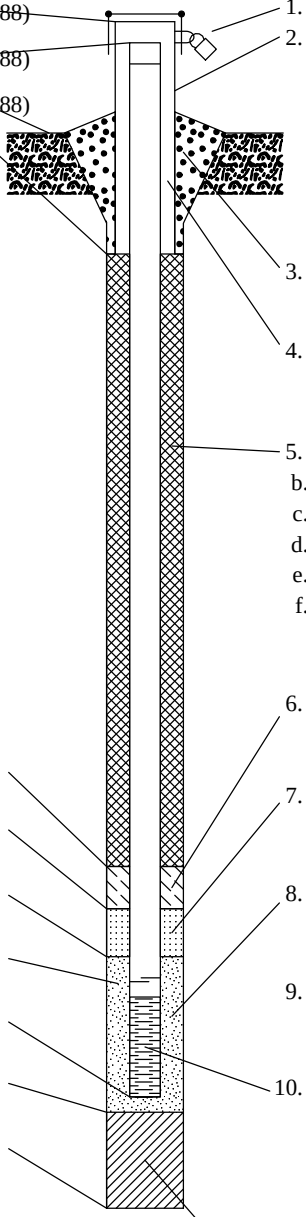
J. Filter pack, bottom 405.1 ft. (NAVD88) or 29.0 ft.

K. Borehole, bottom 404.1 ft. (NAVD88) or 30.0 ft.

L. Borehole, diameter 6.0 in.

M. O.D. well casing 2.38 in.

N. I.D. well casing 2.07 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
   a. Inside diameter: 4.0 in.
   b. Length: 5.0 ft.
   c. Material: Steel ☒ Other ☐
   d. Additional protection? ☐ Yes ☒ No
   If yes, describe:
3. Surface seal: Bentonite ☐ Concrete ☒ Other ☐
4. Material between well casing and protective pipe: Bentonite ☐ Other ☐
5. Annular space seal: a. Granular/Chipped Bentonite ☒
   b. _____Lbs/gal mud weight . . . Bentonite-sand slurry ☐
   c. _____Lbs/gal mud weight . . . Bentonite slurry ☐
   d. _____% Bentonite . . . Bentonite-cement grout ☐
   e. _____Ft^3 volume added for any of the above
   f. How installed: Tremie ☐ Tremie pumped ☐ Gravity ☒
6. Bentonite seal: a. Bentonite granules ☐
   b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒
   c. Other ☐
7. Fine sand material: Manufacturer, product name & mesh size
   a.
   b. Volume added ft^3
8. Filter pack material: Manufacturer, product name & mesh size
   a. Filtersil
   b. Volume added ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ Flush threaded PVC schedule 80 ☐ Other ☐
10. Screen material: Schedule 40 PVC
    a. Screen Type: Factory cut ☒ Continuous slot ☐ Other ☐
    b. Manufacturer
    c. Slot size: 0.010 in.
    d. Slotted length: 10.0 ft.
11. Backfill material (below filter pack): None ☐ 3/8" bentonite chips Other ☒

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Date Modified: 12/16/2022

Signature

Firm: Ramboll
234 W Florida Street, 5th Floor, Milwaukee, WI 53204
Tel: (414)837-3607
Fax: (414)837-3608

RAMBOLL

MONITORING WELL CONSTRUCTION

Facility/Project Name: Baldwin Power Plant	Local Grid Location of Well: ____ ft. ☐ N. ☐ S. ____ ft. ☐ E. ☐ W.	Well Name: XPW06
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☒ Lat. 38° 11' 49.1" Long. -89° 52' 8.2" or St. Plane 557,324 ft. N, 2,382,140 ft. E. E/Ⓦ	
Facility ID		Date Well Installed: 09/22/2022
Type of Well	Section Location of Waste/Source: ____ 1/4 of ____ 1/4 of Sec. ____, T. ____ N, R. ____ ☐ E ☐ W	Well Installed By: (Person's Name and Firm) Arlen Little
Distance from Waste/Source ft. / State IL	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known / Gov. Lot Number	Cascade Drilling

A. Protective pipe, top elevation 418.06 ft. (NAVD88)

B. Well casing, top elevation 417.72 ft. (NAVD88)

C. Land surface elevation 418.06 ft. (NAVD88)

D. Surface seal, bottom 417.1 ft. (NAVD88) or 1.0 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☒ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis attached? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ Hollow Stem Auger ☐ Sonic Other ☒

15. Drilling fluid used: Water ☐ 0 2 Air ☐ Drilling Mud ☐ 0 3 None ☒

16. Drilling additives used? ☐ Yes ☒ No

Describe ____

17. Source of water (attach analysis, if required):

E. Bentonite seal, top 417.1 ft. (NAVD88) or 1.0 ft.

F. Fine sand, top 415.1 ft. (NAVD88) or 3.0 ft.

G. Filter pack, top 414.1 ft. (NAVD88) or 4.0 ft.

H. Screen joint, top 413.1 ft. (NAVD88) or 5.0 ft.

I. Well bottom 408.1 ft. (NAVD88) or 10.0 ft.

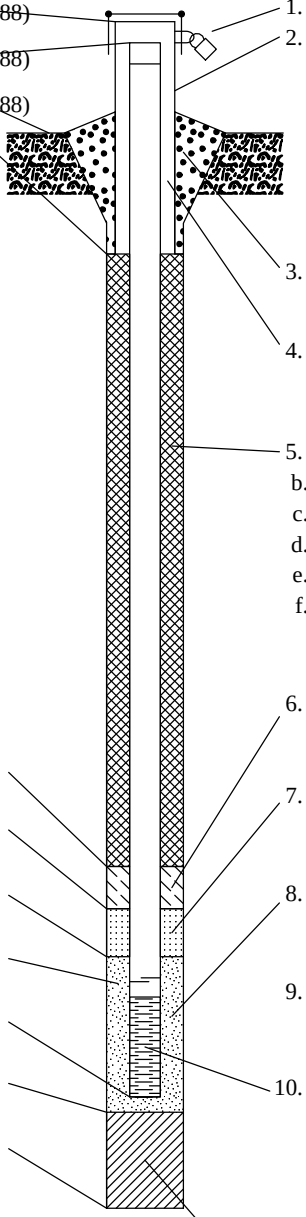
J. Filter pack, bottom 406.1 ft. (NAVD88) or 12.0 ft.

K. Borehole, bottom 402.1 ft. (NAVD88) or 16.0 ft.

L. Borehole, diameter 6.0 in.

M. O.D. well casing 2.38 in.

N. I.D. well casing 2.07 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
   a. Inside diameter: 4.0 in.
   b. Length: 5.0 ft.
   c. Material: Steel ☒ Other ☐
   d. Additional protection? ☐ Yes ☒ No
   If yes, describe: ____
3. Surface seal: Bentonite ☐ Concrete ☒ Other ☐
4. Material between well casing and protective pipe: Bentonite ☒ bentonite chips Other ☒
5. Annular space seal: a. Granular/Chipped Bentonite ☒
   b. ____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐
   c. ____ Lbs/gal mud weight . . . Bentonite slurry ☐
   d. ____ % Bentonite . . . Bentonite-cement grout ☐
   e. ____ Ft^3 volume added for any of the above
   f. How installed: Tremie ☐ Tremie pumped ☐ Gravity ☒
6. Bentonite seal: a. Bentonite granules ☐
   b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒
   c. ____ Other ☐
7. Fine sand material: Manufacturer, product name & mesh size
   a. ____
   b. Volume added ____ ft^3
8. Filter pack material: Manufacturer, product name & mesh size
   a. Filtersil
   b. Volume added ____ ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ Flush threaded PVC schedule 80 ☐ Other ☐
10. Screen material: Schedule 40 PVC
    a. Screen Type: Factory cut ☒ Continuous slot ☐ Other ☐
    b. Manufacturer ____
    c. Slot size: 0.010 in.
    d. Slotted length: 5.0 ft.
11. Backfill material (below filter pack): None ☐ 3/8" bentonite chips Other ☒

I hereby certify that the information on this form is true and correct to the best of my knowledge. Date Modified: 12/16/2022

Signature ____ Firm Ramboll
234 W Florida Street, 5th Floor, Milwaukee, WI 53204
Tel: (414)837-3607
Fax: (414)837-3608

ATTACHMENT 5

MW-393 Fluoride and MW-370 Lithium Statistical Analysis

Confidence Level Determination for Fluoride at MW-393 and Lithium at MW-370
Baldwin Bottom Ash Pond ASD
Quarter 1, 2024

Location	MW-393	MW-370
Parameter	Fluoride, total	Lithium, total
LCL/UCL (mg/L)	7.95/11.9	0.132/0.156
Compliance Statistic	Confidence Band Around the Linear Regression	Confidence Interval Around the Mean
Sample Count	12	30
% Non Detects	0%	0%
Date Range	10/27/2022 to 04/16/2024	10/27/2022 to 04/16/2024
Trend (alpha = 0.01)	Upward (Mann-Kendall Trend Test p value: 0.0045)	No Trend (Mann-Kendall Trend Test p value: 0.077)
Residual Normality (alpha = 0.01)	Parametric (Shapiro-Wilk Test p value: 0.32)	NA
Normality (alpha = 0.01)	Parametric (Shapiro-Wilk Test p value: 0.12)	Parametric (Shapiro-Wilk Test p value: 0.028)

Notes:
% = percent
LCL = lower confidence limit
UCL - upper confidence limit

ATTACHMENT 6
PCA Data Summary

ELECTRONIC PCA DATA FOR ATTACHMENT 6
40 CFR § 257.95(g)(3)(ii): ALTERNATIVE SOURCE DEMONSTRATION
BALDWIN POWER PLANT
BOTTOM ASH POND
COLLINSVILLE, IL

Well	HSU	Date	Well Type	pH (SU)	Alkalinity, total (mg/L)	Barium (mg/L)	Boron (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Lithium (mg/L)	Sulfate (mg/L)
MW-304	BU	03/28/2022	Background	7.78	843	0.0194	1.71	14.5	161	1.76	0.0829	198
MW-304	BU	09/29/2022	Background	7.72	836	0.0183	1.75	10.2	174	1.70	0.0861	199
MW-304	BU	10/26/2022	Background	7.89	825	0.0186	1.76	10.8	175	1.72	0.0869	193
MW-304	BU	11/17/2022	Background	7.87	818	0.0209	1.91	9.48	175	1.7	0.0635	218
MW-304	BU	12/14/2022	Background	7.82	833	0.0191	2.16	10	181	1.82	0.0756	216
MW-304	BU	01/11/2023	Background	7.83	844	0.0173	1.68	8.5	185	1.68	0.0819	209
MW-304	BU	02/20/2023	Background	7.75	854	0.0216	1.75	10.7	186	1.67	0.0818	228
MW-304	BU	03/15/2023	Background	7.77	814	0.0206	1.89	10.6	173	1.67	0.094	208
MW-304	BU	04/04/2023	Background	7.75	853	0.0324	1.69	8.9	168	1.81	0.0808	210
MW-304	BU	05/22/2023	Background	7.51	836	0.0199	1.7	9.63	162	1.72	0.0603	208
MW-304	BU	08/03/2023	Background	7.92	838	0.0201	1.6	11.4	160	1.70	0.0779	188
MW-304	BU	11/01/2023	Background	7.81	855	0.0199	1.7	12	166	1.91	0.0807	191
MW-304	BU	02/05/2024	Background	7.70	818	0.0295	1.5	12.4	155	1.77	0.0763	185
MW-304	BU	04/16/2024	Background	7.81	805	0.0199	1.7	13.0	161	1.69	0.0823	195
MW-358	BU	10/27/2022	Background	7.93	633	0.0933	1.1	12.8	688	2.43	0.0621	108
MW-358	BU	11/17/2022	Background	7.83	758	0.1720	1.25	15.8	992	2.36	0.0592	101
MW-358	BU	12/13/2022	Background	8.45	859	0.168	1.67	19	1120	2.1	0.0696	71
MW-358	BU	01/11/2023	Background	7.59	841	0.165	1.38	14.0	1200	2.73	0.0957	34
MW-358	BU	02/20/2023	Background	8.38	847	0.201	1.42	13.2	1330	2.87	0.102	16
MW-358	BU	03/13/2023	Background	7.73	856	0.166	1.51	10.9	1340	3.07	0.115	8
MW-358	BU	04/04/2023	Background	7.71	851	0.261	1.45	11.4	1370	3.13	0.105	31
MW-358	BU	05/19/2023	Background	7.62	835	0.192	1.6	12.5	1300	3.31	0.0778	10
MW-358	BU	08/07/2023	Background	8.00	843	0.235	1.6	9.9	1290	3.36	0.0961	9
MW-358	BU	11/01/2023	Background	7.89	840	0.162	1.38	11.3	1310	3.59	0.0921	11
MW-358	BU	02/06/2024	Background	7.91	712	0.215	0.771	30.3	917	2.4	0.115	20
MW-358	BU	04/17/2024	Background	7.69	532	0.12	0.277	59.4	458	1.53	0.0425	19
MW-370	BU	03/29/2022	Downgradient	7.55	391	0.024	1.6	34.2	1470	3.15	0.223	270
MW-370	BU	09/30/2022	Downgradient	7.64	403	0.0589	2.67	51.4	1520	2.98	0.21	273
MW-370	BU	10/27/2022	Downgradient	6.88	389	0.0380	1.84	39.6	1320	3.11	0.137	250
MW-370	BU	11/17/2022	Downgradient	7.79	388	0.0292	1.74	36.8	1450	3.06	0.110	278
MW-370	BU	12/14/2022	Downgradient	7.52	394	0.0325	2.34	44.7	1430	3.12	0.118	263
MW-370	BU	01/12/2023	Downgradient	7.50	393	0.0272	1.75	38.4	1470	3.07	0.133	253
MW-370	BU	02/21/2023	Downgradient	7.46	389	0.0303	1.95	40.6	1570	2.86	0.146	273
MW-370	BU	03/14/2023	Downgradient	7.45	402	0.029	1.9	40	1340	2.96	0.160	251
MW-370	BU	04/03/2023	Downgradient	7.53	386	0.0308	2.1	37.4	1280	3.16	0.158	253
MW-370	BU	05/16/2023	Downgradient	7.47	399	0.0321	1.85	37.0	1360	3.07	0.12	253
MW-370	BU	08/03/2023	Downgradient	7.79	399	0.033	1.73	41.4	1310	3.06	0.134	243
MW-370	BU	11/02/2023	Downgradient	7.61	413	0.0285	2.0	41.1	1420	3.7	0.124	273
MW-370	BU	02/06/2024	Downgradient	7.39	410	0.0417	1.69	40.1	1460	3.28	0.169	257
MW-370	BU	04/16/2024	Downgradient	7.59	393	0.042	1.76	39.5	1460	3.33	0.17	247
MW-392	BU	10/27/2022	Downgradient	6.98	446	0.029	1.57	22.1	334	3.19	0.0474	149
MW-392	BU	11/16/2022	Downgradient	7.98	388	0.046	1.72	27.2	648	3.36	0.0512	83
MW-392	BU	12/13/2022	Downgradient	7.70	381	0.0462	2.33	30	918	3.98	0.0646	50
MW-392	BU	01/12/2023	Downgradient	7.63	413	0.042	1.66	47.1	888	3.96	0.076	47
MW-392	BU	02/20/2023	Downgradient	7.60	370	0.0399	1.97	30.4	909	3.69	0.0799	68
MW-392	BU	03/13/2023	Downgradient	7.67	381	0.0397	1.92	28.1	896	4.01	0.0767	57
MW-392	BU	04/03/2023	Downgradient	7.73	379	0.057	2.7	30.5	834	4.18	0.117	61
MW-392	BU	05/16/2023	Downgradient	7.54	372	0.0414	1.92	25.6	827	4.07	0.0675	63
MW-392	BU	08/03/2023	Downgradient	7.86	359	0.0407	1.82	26.0	878	4.07	0.0733	55
MW-392	BU	10/31/2023	Downgradient	7.65	384	0.0615	1.91	50.8	871	4.52	0.114	66
MW-392	BU	02/06/2024	Downgradient	7.64	378	0.0551	1.74	25.3	863	4.28	0.108	59
MW-392	BU	04/16/2024	Downgradient	7.67	371	0.0521	1.86	25.0	868	4.42	0.0746	42
MW-393	BU	10/27/2022	Downgradient	7.45	641	0.02	1.83	9	436	5.86	0.0767	285
MW-393	BU	11/16/2022	Downgradient	8.11	672	0.03	1.53	11	475	5.95	0.0722	280
MW-393	BU	12/14/2022	Downgradient	8.64	666	0.0246	2.04	11	445	5.79	0.0603	263
MW-393	BU	01/12/2023	Downgradient	7.89	812	0.0288	1.61	14.7	633	8.02	0.0807	232
MW-393	BU	02/20/2023	Downgradient	7.95	822	0.0304	1.74	11	640	7.66	0.0853	214
MW-393	BU	03/13/2023	Downgradient	8.03	859	0.0273	1.79	7.9	606	8.21	0.0668	186
MW-393	BU	04/03/2023	Downgradient	8.12	833	0.0481	2.76	8.6	648	9.27	0.123	209
MW-393	BU	05/15/2023	Downgradient	8.28	914	0.0261	1.72	8.4	745	8.42	0.0442	123
MW-393	BU	08/03/2023	Downgradient	8.36	862	0.0269	1.66	6.0	610	7.32	0.0593	134
MW-393	BU	10/31/2023	Downgradient	8.19	827	0.0582	1.59	7.9	723	9.63	0.0672	184
MW-393	BU	02/06/2024	Downgradient	8.12	831	0.06	1.63	6.4	741	9.27	0.1100	206
MW-393	BU	04/16/2024	Downgradient	8.16	816	0.04	1.83	7.1	779	9.22	0.0714	217
TPZ-164	CCR	03/29/2022	CCR	7.31	198	0.11	1.56	55.4	50	0.26	0.0167	227
TPZ-164	CCR	09/30/2022	CCR	7.14	206	0.17	2.04	68.5	52	0.24	0.0243	150
TPZ-164	CCR	10/28/2022	CCR	7.31	276	0.06	1.47	67.6	57	0.26	0.0140	127
TPZ-164	CCR	11/16/2022	CCR	7.56	250	0.06	1.38	61.8	46	0.26	0.0085	123
TPZ-164	CCR	12/14/2022	CCR	7.34	233	0.05	1.54	60.9	55	0.27	0.0114	120
TPZ-164	CCR	03/14/2023	CCR	7.21	283	0.06	1.30	70	43	0.22	0.0101	113
TPZ-164	CCR	08/07/2023	CCR	7.38	293	0.07	1.23	70	51	0.31	0.0151	109
TPZ-164	CCR	02/28/2024	CCR	7.13	285	0.07	0.92	75	52	0.25	0.0099	130
TPZ-164	CCR	04/18/2024	CCR	7.25	275	0.07	1.05	77	49	0.29	0.0115	118
XPW-01	CCR	10/26/2022	CCR	7.03	203	0.10	0.93	65.4	21	0.61	0.0142	98
XPW-01	CCR	11/15/2022	CCR	6.98	205	0.11	1.03	72.5	22	0.50	0.0127	105
XPW-01	CCR	12/13/2022	CCR	6.57	204	0.27	0.94	81.5	25	0.50	0.0354	120
XPW-01	CCR	01/12/2023	CCR	6.86	212	0.11	0.88	67.5	26	0.51	0.0132	119
XPW-01	CCR	05/23/2023	CCR	7	163	0.0743	0.649	55.1	21	0.62	0.0083	62
XPW-01	CCR	08/03/2023	CCR	6.75	218	0.103	0.893	71.5	28	0.58	0.0117	82
XPW-01	CCR	02/08/2024	CCR	6.6	217	0.116	0.961	84.8	49	0.53	0.0116	126
XPW-01	CCR	04/18/2024	CCR	6.88	204	0.0952	0.563	70.2	46	0.55	0.01	112
XPW-02	CCR	10/26/2022	CCR	7.57	427	0.205	1.18	121	33	0.61	0.0233	22
XPW-02	CCR	11/15/2022	CCR	7.6	426	0.194	1.2	115	30	0.55	0.0194	20
XPW-02	CCR	12/12/2022	CCR	7.53	374	0.257	1.52	110	32	0.63	0.023	37
XPW-02	CCR	01/12/2023	CCR	7.32	337	0.125	0.87	88.5	29	0.46	0.0108	43
XPW-02	CCR	05/23/2023	CCR	7.05	359	0.185	1.08	101	36	0.5	0.0147	41
XPW-04	CCR	10/28/2022	CCR	8.31	222	0.161	1.28	47.9	55	0.44	0.0108	119
XPW-04	CCR	11/15/2022	CCR	8.4	226	0.171	1.15	53.2	56	0.4	0.0066	124
XPW-04	CCR	12/12/2022	CCR	8.04	217	0.196	1.38	51.1	55	0.42	0.0136	120
XPW-04	CCR	01/12/2023	CCR	7.96	226	0.156	0.835	49.6	54	0.4	0.009	119
XPW-04	CCR	05/23/2023	CCR	8.23	200	0.172	0.921	56.2	45	0.33	0.0056	173
XPW-05	CCR	10/26/2022	CCR	7.82	180	0.104	1.02	43.9	46	0.57	0.0053	123
XPW-05	CCR	11/15/2022	CCR	7.67	180	0.12	1.16	43.5	46	0.58	0.0039	132
XPW-05	CCR	12/12/2022	CCR	7.18	212	0.19	1.25	43.6	48	0.62	0.0093	137
XPW-05	CCR	01/24/2023	CCR	7.3	192	0.208	1.57	40.2	48	0.6	0.008	125
XPW-05	CCR	05/23/2023	CCR	7.16	218	0.212	1.08	45.8	47	0.54	0.0027	110
XPW-05	CCR	08/03/2023	CCR	7.17	229	0.223	0.928	49.1	46	0.55	0.0054	89
XPW-05	CCR	02/28/2024	CCR	7.19	238	0.284	0.977	56.2	47	0.53	0.0093	123
XPW-05	CCR	04/18/2024	CCR	7.03	267	0.294	0.87	60.4	51	0.49	0.0061	114
XPW-06	CCR	10/26/2022	CCR	7.22	370	0.274	2.29	130	25	0.58	0.0118	575
XPW-06	CCR	11/15/2022	CCR	7.27	372	0.198	4.64	164	18	0.61	0.0019	475
XPW-06	CCR	12/13/2022	CCR	7.04	371	0.246	3.86	174	18	0.59	0.0075	508
XPW-06	CCR	01/12/2023	CCR	7.25	278	0.1	3.38	112	10	0.5	0.0031	391
XPW-06	CCR	05/23/2023	CCR	7.23	247	0.161	2.11	75.9	6	0.32	0.0019	171
XPW-06	CCR	08/03/2023	CCR	6.96	195	0.142	1.55	61.6	2	0.37	0.006	117
XPW-06	CCR	02/06/2024	CCR	7.28	244	0.201	2.91	90.6	5	0.35	0.0057	315
XPW-06	CCR	04/18/2024	CCR	7.16	256	0.129	2.64	69.3	2	0.39	0.0058	103

Notes:
mg/L = milligrams per liter
TDS= Total Dissolved Solids
SU= standard units
HSU = hydrostratigraphic unit
CCR = coal combustion residual
BU = Bedrock Unit

ATTACHMENT 7
Lithium Isotope Ratio Laboratory Analytical Report

130 Stone Rd. W
Guelph, ON N1G 3Z2
(519) 822-2265

Analytical Results

SiREM File Reference: S-9990

Client: Geosyntec Consultants, Inc.
Client Project Number: GLP8063
Date Samples Received: August 24, 2023
Date Samples Analyzed: August/September 2023
IsoDetect Internal Project No: 23-71-GG

Client Sample ID	SiREM Reference ID	Isodetect Reference ID	Client Sample Date	δ^7Li	2SD	Lithium Concentration
				[‰]	[‰]	ug/L
Cooling Pond - 20230821	23-14918	23-71-GG-01	21-Aug-23	35.18	0.74	3.1
MW158R - 20230822	23-14919	23-71-GG-02	22-Aug-23	31.47	0.54	22.6
PZ170-20230821	23-14920	23-71-GG-03	21-Aug-23	16.95	0.73	44.0
TPZ164-20230821	23-14921	23-71-GG-04	21-Aug-23	17.07	0.75	27.6
MW370-20230821	23-14922	23-71-GG-05	21-Aug-23	20.65	0.73	227.0
MW358-20230822	23-14923	23-71-GG-06	22-Aug-23	26.04	0.70	185.0

Comments:
Method: Compound Specific Isotope Analysis (CSIA)
-- = not applicable
2SD= standard deviation, calculated from two independent consecutive measurements
ug/L = micrograms per liter
n.m. = not measured

Analyst: Brooke Rapien
Brooke Rapien
Laboratory Technician II

Results approved:
Brent G. Paulter
Chemistry Services Manager

Date: October 10, 2023

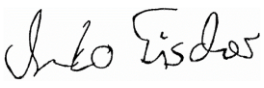
Isodetect
Umweltmonitoring GmbH

06th of October 2023

Analytical report

Ordering party:	SiREM 130 Stone Rd. West Guelph, Ontario, Canada N1G 3Z2
Contact person:	Ximena Druar Brent G. Pautler, Ph.D.
Contractor:	Isodetect GmbH Deutscher Platz 5b 04103 Leipzig Germany
Person in charge:	Kevin Kuntze, Ph.D. Phone: +49 341 35535851 Mail: kuntze@isodetect.de Anko Fischer, Ph.D. Phone: +49 341 35535855 Mail: fischer@isodetect.de
Samples received:	11.09.2023
Project ID/ Field site:	S-9990
Internal Project No.:	23-71-GG
Scope on analysis:	6 x isotope ratio of Li

Dr. Kevin Kuntze



Dr. Anko Fischer

Isodetect
Umweltmonitoring GmbH

Analysis results

Well/sample	Lab ID	**δ^7Li [‰]**	2SD [‰]	Li [µg/l]
Cooling Pond - 20230821	23-71-GG-01	35.18	0.74	3.1
MW158R-20230821	23-71-GG-02	31.47	0.54	22.6
PZ170-20230821	23-71-GG-03	16.95	0.73	44.0
TPT164-20230821	23-71-GG-04	17.07	0.75	27.6
MW370-20230821	23-71-GG-05	20.65	0.73	227.0
MW358-20230821	23-71-GG-06	26.04	0.70	185.0

The analyses were carried out by MC-ICP-MS using an internal standardization and external calibration with bracketing isotope standard reference materials (SRMs), for which Li delta value (δ^7Li) was calculated against LSVEC NIST 8545 RM. The standard deviation (2SD) was calculated from two independent consecutive measurements.

Chain of Custody for CSIA of organic pollutants

Isodetect Umweltmonitoring GmbH

Contact information				Project information			
Company:	SiREM	Email:	xdruar@siremlab.com	Project ID:	Baldwin GW Compliance	Field site:	
Contact:	Ximena Druar	Address:	130 Stone Road W, Guelph, ON N1G 3Z2 Canada	Project description:			
Phone:	519-880-5424			Sampled by:		Company:	Geosyntec

Client Sample ID/ Sampling point	Sampling Date	Sampling Time	Matrix	Conditions (e.g. Temp., O_2, R_h, pH)	Sampling type[$]	Sample volume for CSIA	Fixative[#]	CSIA for[*]	Isotope ratio[^]	Other Notes (e.g. troubles, weather)
Cooling Pond - 20230821	8/21/2023	13:20	Water		2	2x500mL V V		Total & Stable Li Isotopes		S-9990
MW158R-20230822	8/22/2023	13:50	Water		2	2x500mL V V		Total & Stable Li Isotopes		S-9990
PZ170-20230821	8/21/2023	11:25	Water		2	2x500mL V V		Total & Stable Li Isotopes		S-9990
TPZ164-20230821	8/21/2023	10:45	Water		2	2x500mL V V		Total & Stable Li Isotopes		S-9990
MW370-20230821	8/21/2023	12:10	Water		21 SF	2x500mL V		Total & Stable Li Isotopes		S-9990
MW358-20230822	8/22/2023	12:15	Water		2	2x500mL V V		Total & Stable Li Isotopes		S-9990

[$] 1 – Submersible pump, 2 – Suction pump, 3 – Bailer, 4 – Tap/outlet, 5 – Trial pit, 6 – Percussion drilling, 7 – Direct push sampling, 8 – Hand excavation, 9 – others (give sampling type)

[*] 1 – BTEX, 2 – halogenated VOC, 3 – PAH, 4 – Fuel additives (MTBE, ETBE, TAME, TAEE etc.), 5 – Explosives (TNT, RDX, dinitrotoluene, nitrobenzenes etc.), 6 – Petroleum hydrocarbons (e.g. alkylated benzenes, alkanes etc.), 7 – Chlorobenzenes, 8 – Gas hydrocarbons (e.g. methane, ethane, propane, butane, etc.), 9 – Pesticides (HCH, DDT, phenoxy acids, atrazine, bromacil, etc.), 10 – others (give target compounds)

[^] 1 – $^{13}C/^{12}C$, 2 – $^{2}H/^{1}H$, 3 – $^{37}Cl/^{35}Cl$, 4 – $^{15}N/^{14}N$, 5 – $^{81}Br/^{79}Br$, 6 – others (give target isotope ratio)

[#] 1 – NaOH, 2 – $Na_3PO_4 \cdot 12H_2O$, 3 – HCl, 4 – H_2SO_4, 5 – none, 6 – others (give preservative)

Relinquished by		Received by		Relinquished by		Received by	
Signature:	Susan Thomas	Signature:		Signature:		Signature:	
Name:	Susan Thomas	Name:	Vazquez Ramos Jose	Name:		Name:	
Company:	SiREM	Company:	Isodetect GmbH	Company:		Company:	
Date/Time:	9-6-2023	Date/Time:	11.09.2023	Date/Time:		Date/Time:	

Isodetect GmbH, Deutscher Platz 5b, 04103 Leipzig, Germany
Phone: +49 (0)341-355-35851, Fax: +49 (0)341-355-35852, Email: kuntze@isodetect.de www.isodetect.de

Isodetect Umweltmonitoring GmbH

ATTACHMENT 8
Solid Phase Anions Laboratory Analytical Report

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

28-February-2023

Ramboll Americas Engineering Solutions, Inc.
Attn : Evvan Plank

P.O# Box 4873
Syrascuse, New York
13221-7873, USA

Phone: 315-463-7554
Fax:

Date Rec. : 24 November 2022
LR Report: **CA19226-NOV22**
Reference: Baldwin Power Plant Drilling

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	6: MW-358 (47-49)	7: MW-358 (86-88)	8: MW-392 (80-82)	12: MW-392 (66-68)
Sample Date & Time					06-Oct-22 15:00	08-Oct-22 18:00	26-Sep-22 16:00	26-Sep-22 12:00
Cl [µg/g]	15-Dec-22	20:55	---	---	22	70	34	45
SO4 [µg/g]	15-Dec-22	20:55	29-Dec-22	13:45	50	620	280	100
F [%]	08-Dec-22	18:18	12-Dec-22	08:47	0.091	0.091	0.42	0.095
TKN [as N %]	30-Nov-22	09:28	02-Dec-22	11:00	0.06	0.05	< 0.01	0.05
Ra226 [Bq/g]	12-Dec-22	08:48	12-Dec-22	14:33	0.07	< 0.01	0.09	< 0.01

Catharine Arnold

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

0003246129

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA19226-NOV22**

OnLine LIMS

0003246129

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

ATTACHMENT 9
X-ray Diffraction Laboratory Analytical Report

Quantitative X-Ray Diffraction by Rietveld Refinement

Report Prepared for:	*Environmental Services*
Project Number/ LIMS No.	*Custom XRD/MI4508-DEC22*
Sample Receipt:	*December 7, 2022*
Sample Analysis:	*December 15, 2022*
Reporting Date:	*April 24, 2023*

Instrument:	BRUKER AXS D8 Advance Diffractometer
Test Conditions (Bulk):	Co radiation, 35 kV, 40 mA; Detector: LYNXEYE Regular Scanning: Step: 0.02°, Step time: 0.75s, 2θ range: 6-80°
Test Conditions (Clay):	Co radiation, 35 kV, 40 mA; Detector: LYNXEYE Regular Scanning: Step: 0.02°, Step time: 1s, 2θ range: 3-80° Clay Section Scanning: Step: 0.01°, Step time:0.2s, 2θ range: 3-40°
***Interpretations*:**	PDF2/PDF4 powder diffraction databases issued by the International Center for Diffraction Data (ICDD). DiffracPlus Eva and Topas software.
***Detection Limit*:**	0.5-2%. Strongly dependent on crystallinity.

Contents:

1) Method Summary
2) Quantitative XRD Results
3) XRD Pattern(s)

Kim Gibbs, H.B.Sc., P.Geo.
Senior Mineralogist

Huyun Zhou, Ph.D., P.Geo.
Senior Mineralogist

ACCREDITATION: SGS Natural Resources Lakefield is accredited to the requirements of ISO/IEC 17025 for specific tests as listed on our scope of accreditation, including geochemical, mineralogical and trade mineral tests. To view a list of the accredited methods, please visit the following website and search SGS Canada Inc. - Minerals: https://www.scc.ca/en/search/palcan.

Method Summary

The Rietveld Method of Mineral Identification by XRD (ME-LR-MIN-MET-MN-D05) method used by SGS Natural Resources is accredited to the requirements of ISO/IEC 17025.

***Mineral Identification and Interpretation*:**

Mineral identification and interpretation involves matching the diffraction pattern of an unknown material to patterns of single-phase reference materials. The reference patterns are compiled by the Joint Committee on Powder Diffraction Standards - International Center for Diffraction Data (JCPDS-ICDD) database and released on software as Powder Diffraction Files (PDF).

Interpretations do not reflect the presence of non-crystalline and/or amorphous compounds, except when internal standards have been added by request. Mineral proportions may be strongly influenced by crystallinity, crystal structure and preferred orientations. Mineral or compound identification and quantitative analysis results should be accompanied by supporting chemical assay data or other additional tests.

Clay Mineral Separation and Identification:

Clay minerals are typically fine-grained (<2 µm) phyllosilicates in sedimentary rock. Due to the poor crystallinity and fine size of clay minerals, separation of the clay fraction from bulk samples by centrifuge is required. A slide of the oriented clay fraction is prepared and scanned followed by a series of procedures (the addition of ethylene glycol and high temperature heating). Clay minerals are identified by their individual diffraction patterns and changes in their diffraction pattern after different treatments. Clay speciation and mineral identification of the bulk sample are performed using DIFFRACplus EVA (Bruker AXS).

Quantitative Rietveld Analysis:

Quantitative Rietveld Analysis is performed by using Topas 4.2 (Bruker AXS), a graphics based profile analysis program built around a non-linear least squares fitting system, to determine the amount of different phases present in a multicomponent sample. Whole pattern analyses are predicated by the fact that the X-ray diffraction pattern is a total sum of both instrumental and specimen factors. Unlike other peak intensity-based methods, the Rietveld method uses a least squares approach to refine a theoretical line profile until it matches the obtained experimental patterns.

Rietveld refinement is completed with a set of minerals specifically identified for the sample. Zero values indicate that the mineral was included in the refinement calculations, but the calculated concentration was less than 0.05wt%. Minerals not identified by the analyst are not included in refinement calculations for specific samples and are indicated with a dash.

DISCLAIMER: This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was(were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativeness of any goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted.

Summary of Rietveld Quantitative Analysis X-Ray Diffraction Results

Mineral/Compound	MW-358 (13-15) DEC4508-1 (wt %)	MW-358 (47-49) DEC4508-2 (wt %)	MW-358 (86-88) DEC4508-3 (wt %)	MW-392 (80-82) DEC4508-4 (wt %)	MW-392 (32-33.5) DEC4508-5 (wt %)	MW-393 (24-25.5) DEC4508-6 (wt %)	MW-394 (20.5-22) DEC4508-7 (wt %)	MW-392 (66-68) DEC4508-8 (wt %)
Quartz	52.7	29.2	30.7	29.8	52.1	64.1	55.4	22.7
Muscovite	7.7	18.8	19.7	13.1	9.0	5.5	7.6	15.9
Albite	12.3	0.4	2.5	0.6	9.1	6.4	12.8	0.6
Microcline	7.3	8.6	5.9	1.0	6.5	10.1	7.3	5.1
Diaspore	0.3	-	-	-	-	0.2	0.5	2.8
Magnetite	0.9	0.5	0.3	1.4	0.1	0.0	0.1	0.1
Anatase	0.2	0.8	1.8	0.8	0.6	0.3	0.3	1.0
Calcite	-	0.5	1.0	28.1	0.0	0.0	0.2	14.9
Fluorapatite	-	-	-	2.7	0.3	-	0.2	0.2
Ankerite	-	-	-	-	1.4	0.9	0.5	0.8
Clay								
Kaolinite	5.3	4.8	15.0	5.5	6.8	3.2	4.2	3.6
Montmorillonite-12A	4.9	6.8	4.8	-	-	-	-	5.8
Montmorillonite-14A	-	-	-	3.5	3.3	3.5	3.6	-
Nontronite	0.6	4.6	4.3	4.2	1.6	1.4	0.5	3.3
Illite/Mont - 11A	-	8.8	2.7	3.6	2.7	2.1	3.0	7.1
Illite	5.0	15.0	9.2	4.1	0.7	1.0	0.6	10.4
Chlorite IIb	2.6	1.3	2.0	1.6	5.8	1.2	3.1	6.1
TOTAL	100	100	100	100	100	100	100	100

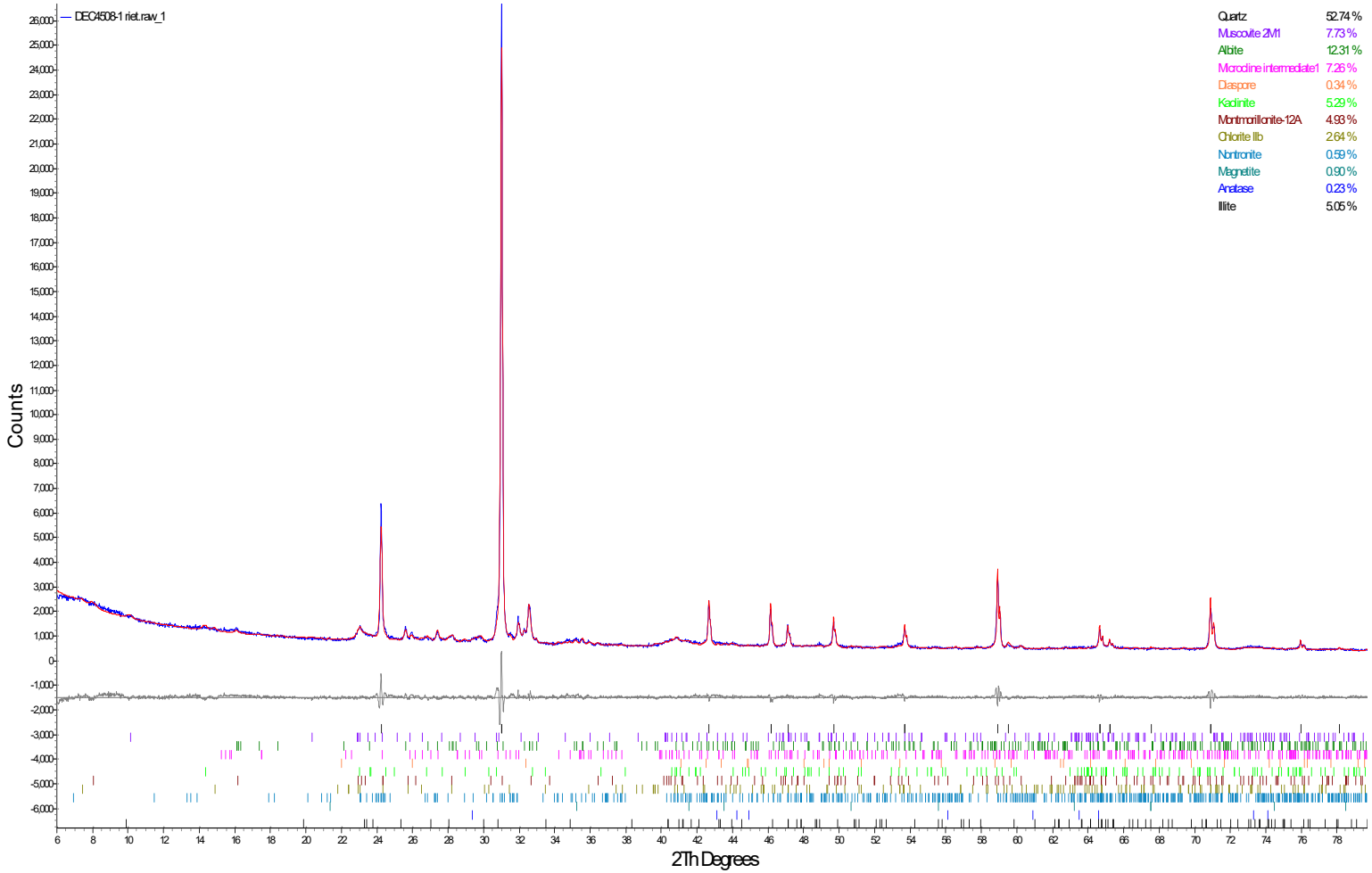
Zero values indicate that the mineral was included in the refinement, but the calculated concentration is below a measurable value.

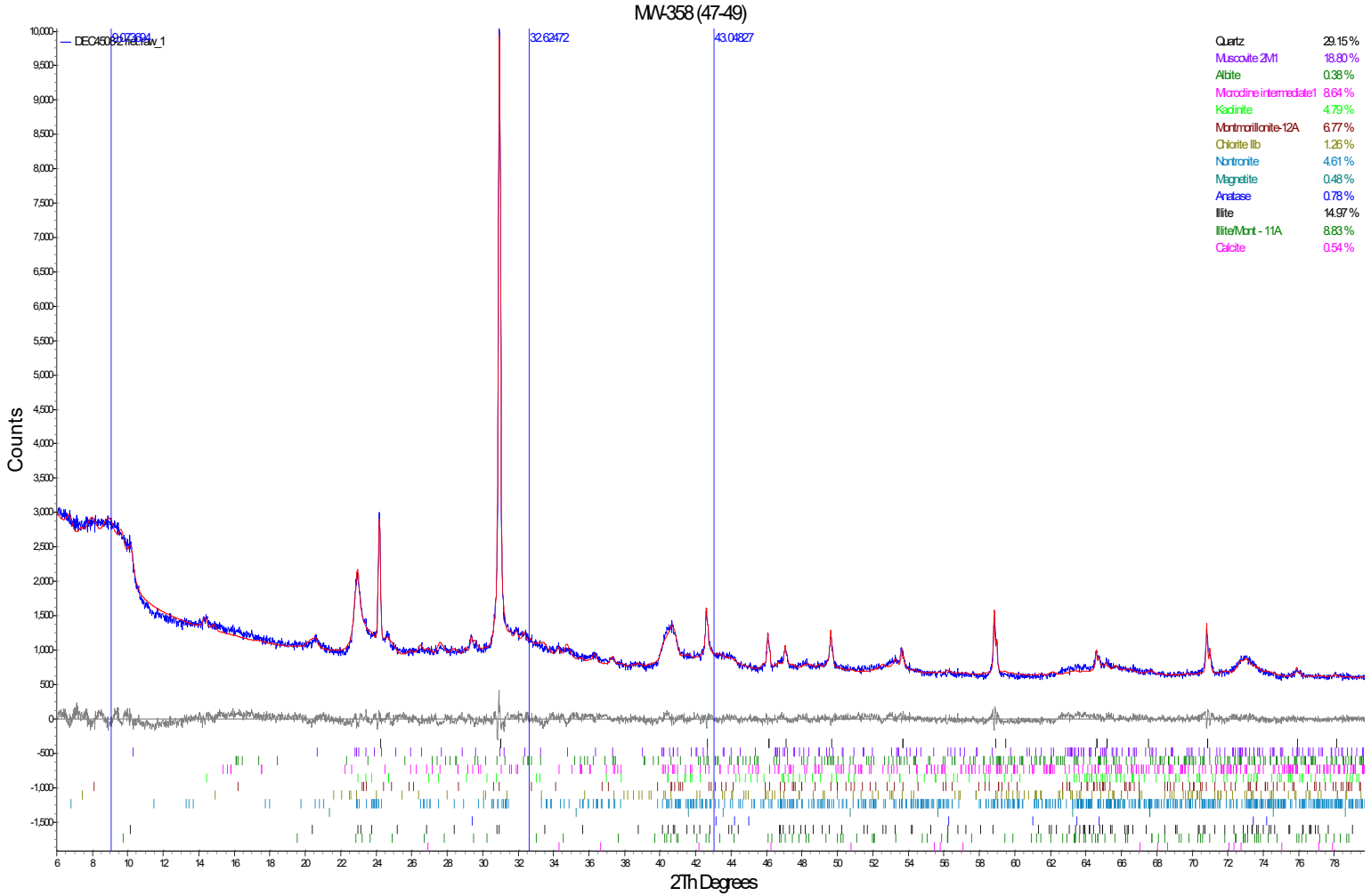
Dashes indicate that the mineral was not identified by the analyst and not included in the refinement calculation for the sample.

The weight percent quantities indicated have been normalized to a sum of 100%. The quantity of amorphous material has not been determined.

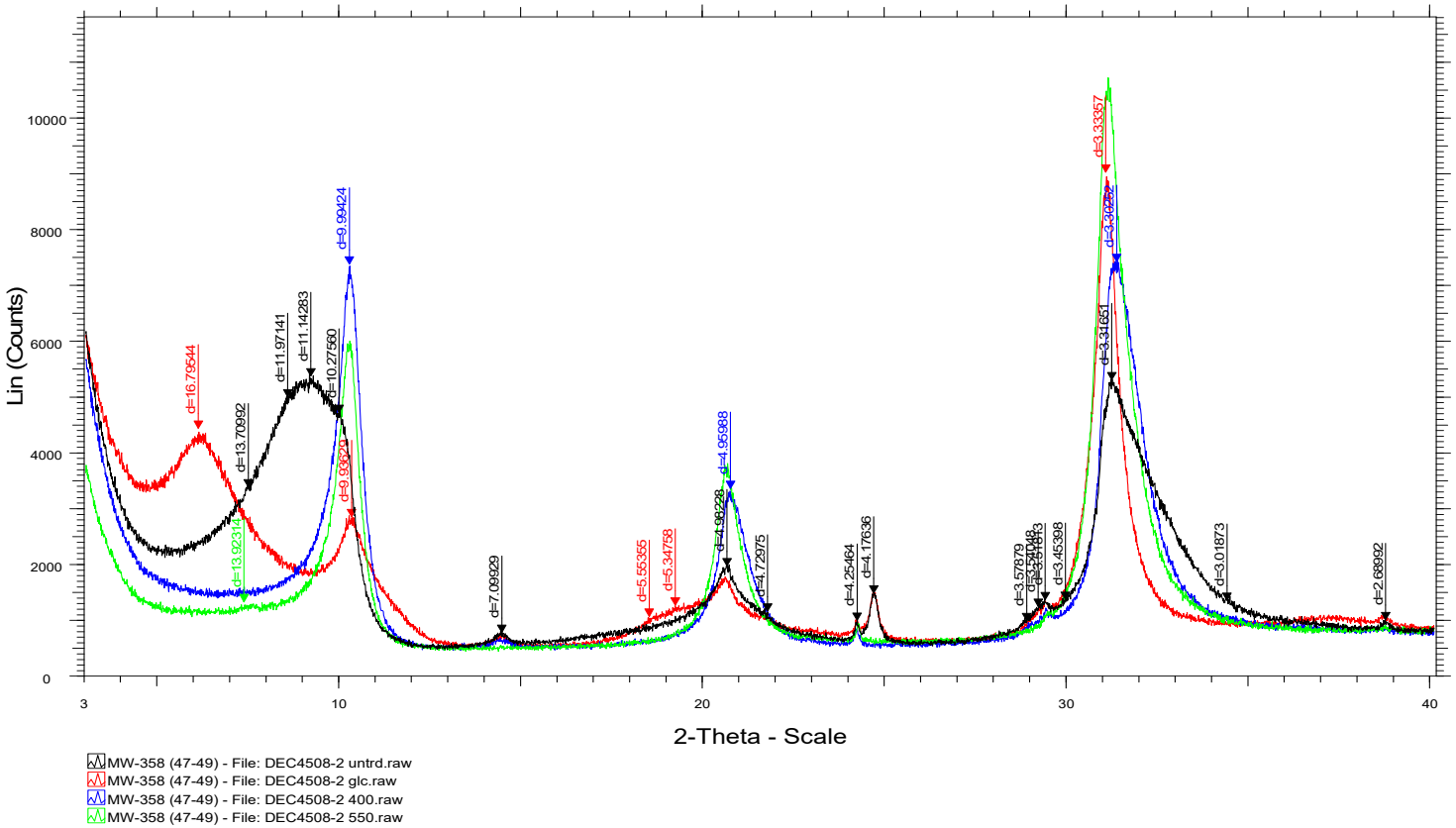
Mineral/Compound	Formula
Quartz	SiO_2
Muscovite	$KAl_2(AlSi_3O_{10})(OH)_2$
Albite	$NaAlSi_3O_8$
Microcline	$KAlSi_3O_8$
Diaspore	aAlO.OH
Magnetite	Fe_3O_4
Anatase	TiO_2
Calcite	$CaCO_3$
Fluorapatite	$Ca_5(PO_4)_3F$
Ankerite	$CaFe(CO_3)_2$
Kaolinite	$Al_2Si_2O_5(OH)_4$
Montmorillonite	$(Na,Ca)_{0.3}(Al,Mg)_2Si_4O_{10}(OH)_2 \cdot 10H_2O$
Nontronite	$Fe_2(Al,Si)_4O_{10}(OH)_2Na_{0.3}(H_2O)_4$
Illite/Mont	$KAl_4(Si,Al)_8O_{10}(OH)_4 \cdot 4H_2O$
Illite	$(K,H_3O)(Al,Mg,Fe)_2(Si,Al)_4O_{10}[(OH)_2,(H_2O)]$
Chlorite	$(Fe,(Mg,Mn)_5,Al)(Si_3Al)O_{10}(OH)_8$

MW-358 (13-15)

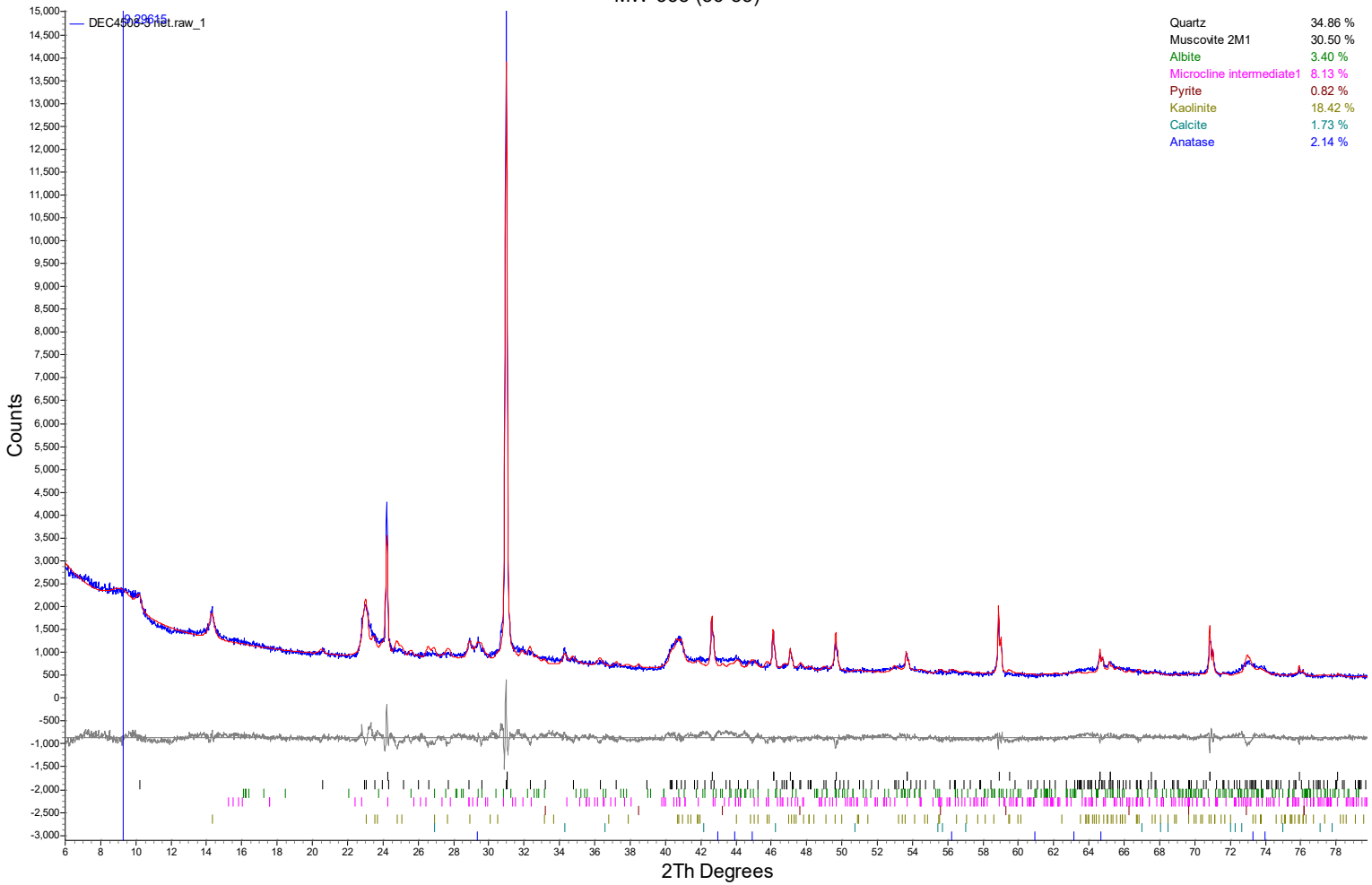

DEC4508-1 riet.raw_1
Counts
2Th Degrees
Quartz 52.74 %
Muscovite 2M1 7.73 %
Albite 12.31 %
Microcline intermediate1 7.26 %
Diaspore 0.34 %
Kaolinite 5.29 %
Montmorillonite-12A 4.93 %
Chlorite IIb 2.64 %
Nontronite 0.59 %
Magnetite 0.90 %
Anatase 0.23 %
Illite 5.05 %


MW-358 (47-49)
DEC4508 refined_1
32.62472
43.04827
Quartz 29.15 %
Muscovite 2M1 18.80 %
Albite 0.38 %
Microcline intermediate1 8.64 %
Kaolinite 4.79 %
Montmorillonite-12A 6.77 %
Chlorite IIb 1.26 %
Nontronite 4.61 %
Magnetite 0.48 %
Anatase 0.78 %
Illite 14.97 %
Illite/Mont - 11A 8.83 %
Calcite 0.54 %
Counts
2Th Degrees

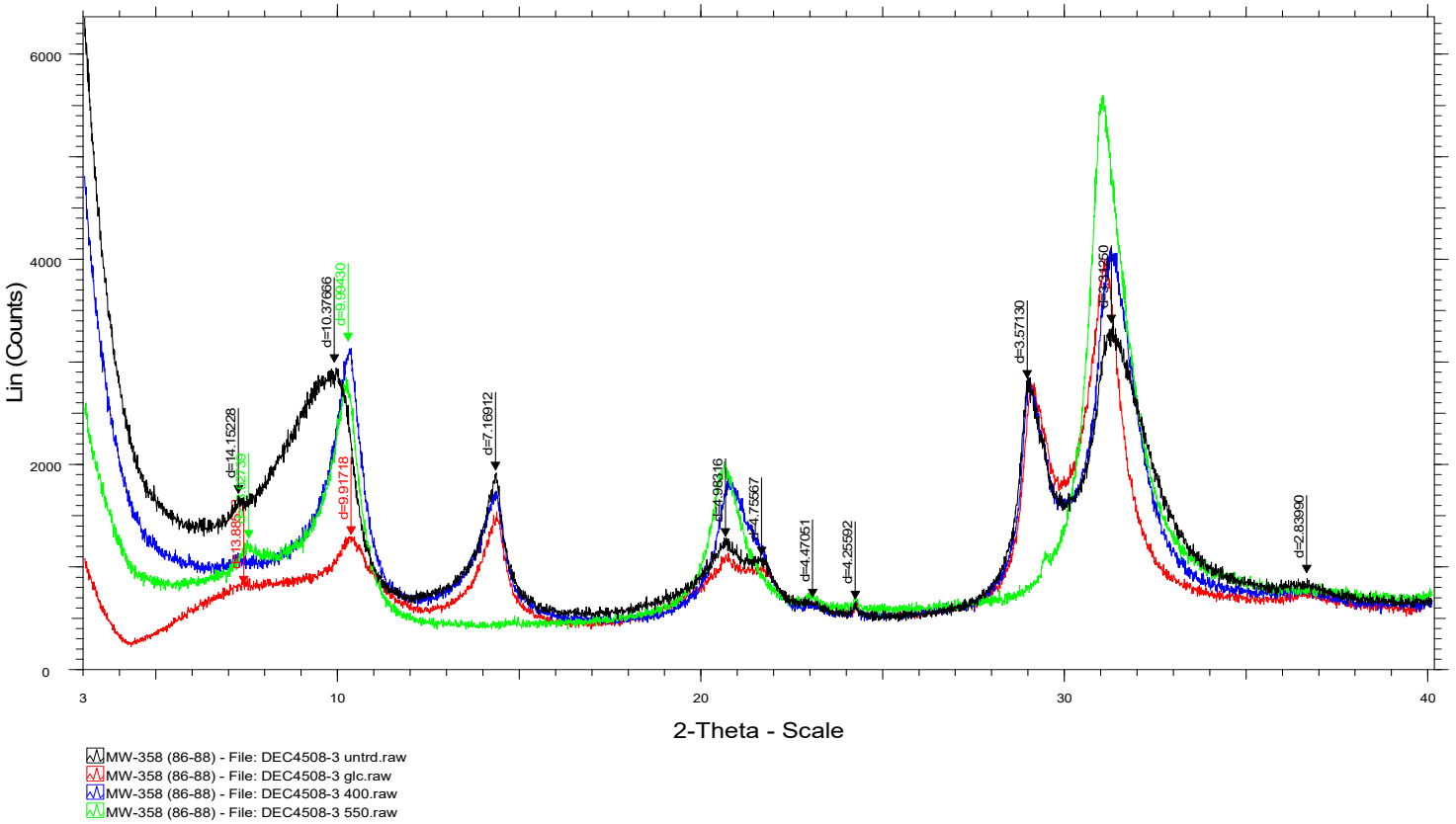
MW-358 (47-49)

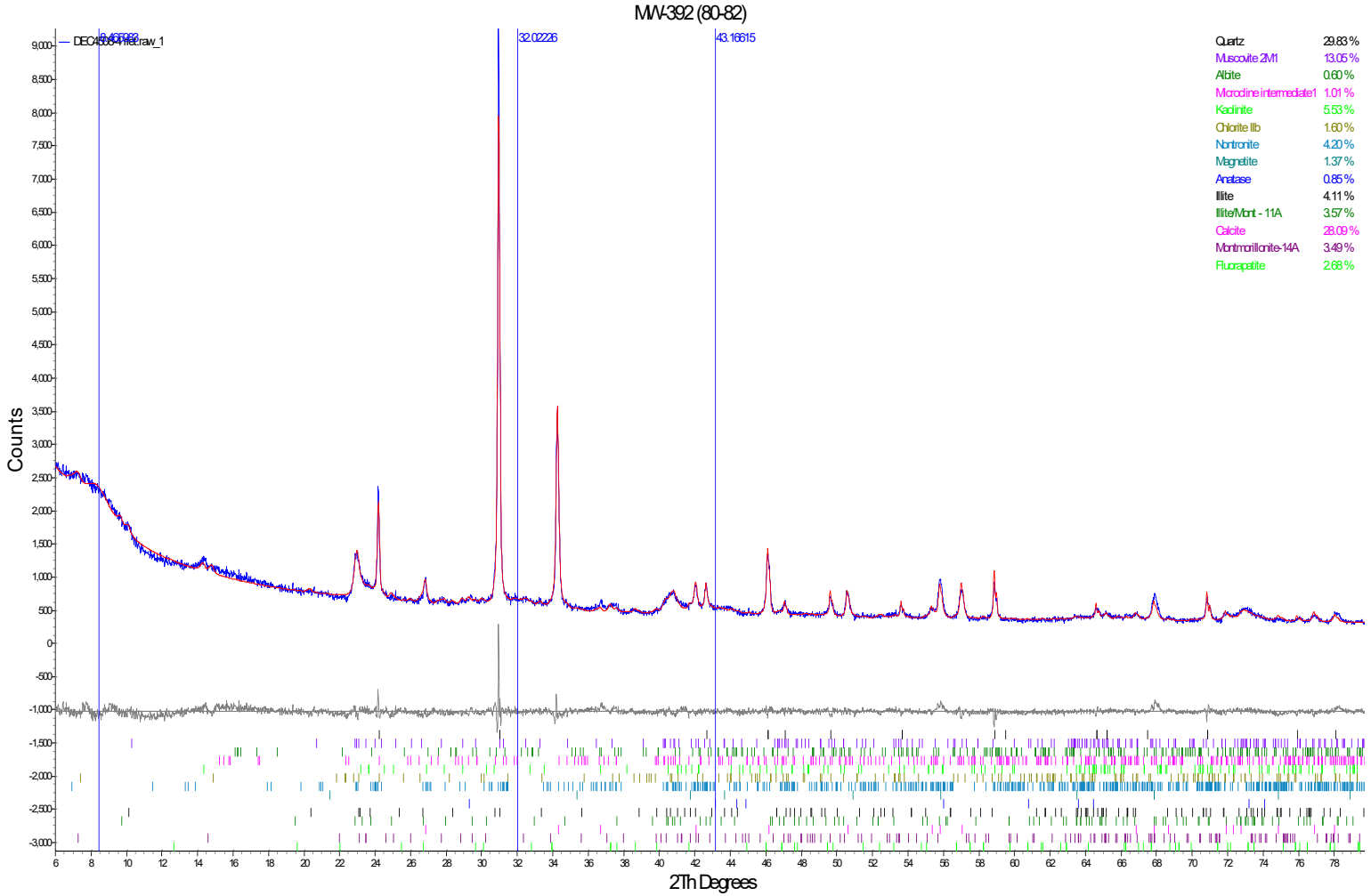

Lin (Counts)
2-Theta - Scale
d=16.79544
d=13.70992
d=13.92319
d=11.97141
d=11.14283
d=10.27560
d=9.99424
d=9.93021
d=7.09929
d=5.55355
d=5.34758
d=4.99228
d=4.95988
d=4.72975
d=4.25464
d=4.17636
d=3.57879
d=3.45398
d=3.33357
d=3.30252
d=3.31061
d=3.01673
d=2.69992
MW-358 (47-49) - File: DEC4508-2 untrd.raw
MW-358 (47-49) - File: DEC4508-2 glc.raw
MW-358 (47-49) - File: DEC4508-2 400.raw
MW-358 (47-49) - File: DEC4508-2 550.raw

MW-358 (86-88)

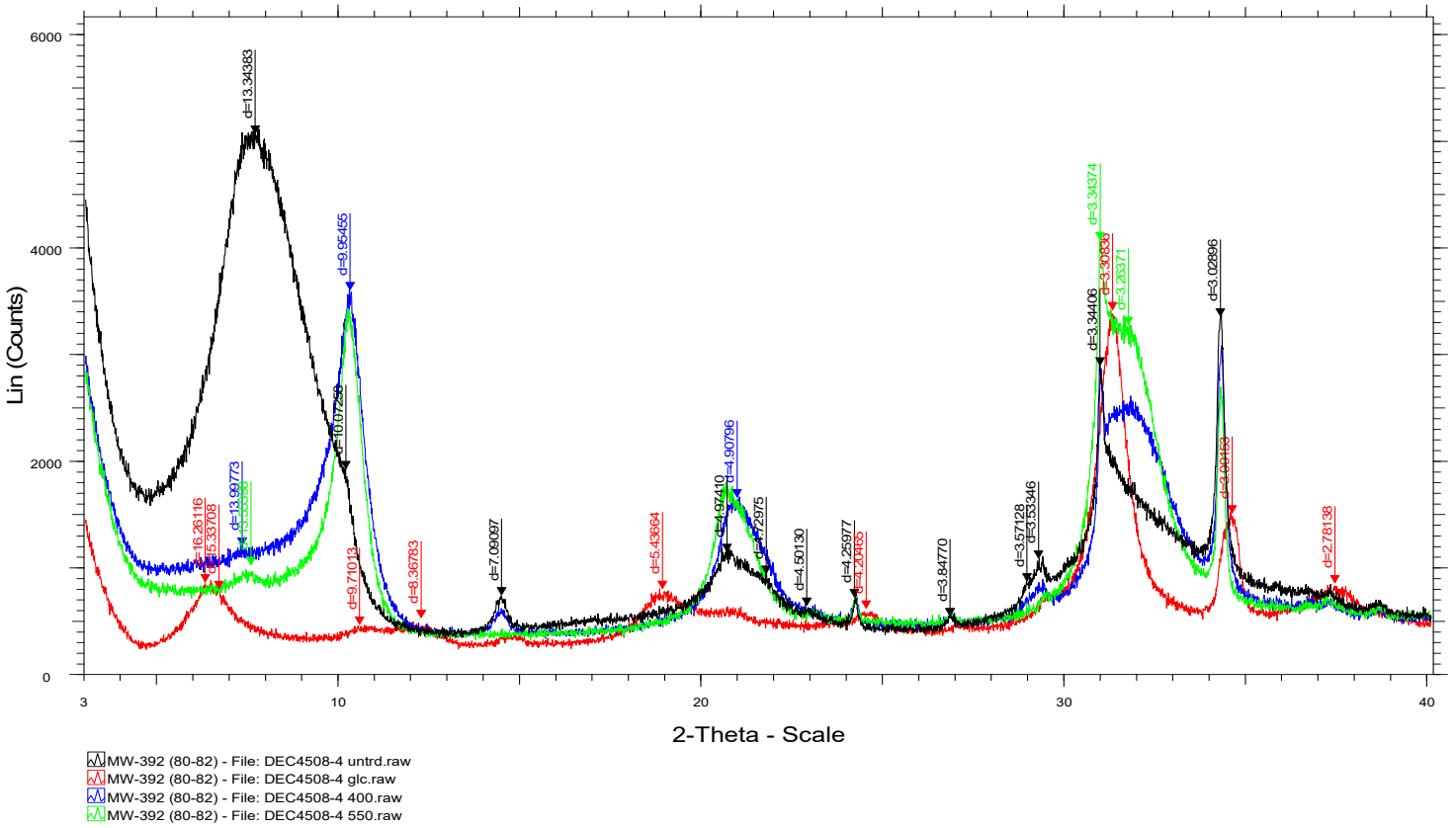

DEC4508-3 net.raw_1
Quartz 34.86 %
Muscovite 2M1 30.50 %
Albite 3.40 %
Microcline intermediate1 8.13 %
Pyrite 0.82 %
Kaolinite 18.42 %
Calcite 1.73 %
Anatase 2.14 %
Counts
2Th Degrees

MW-358 (86-88)

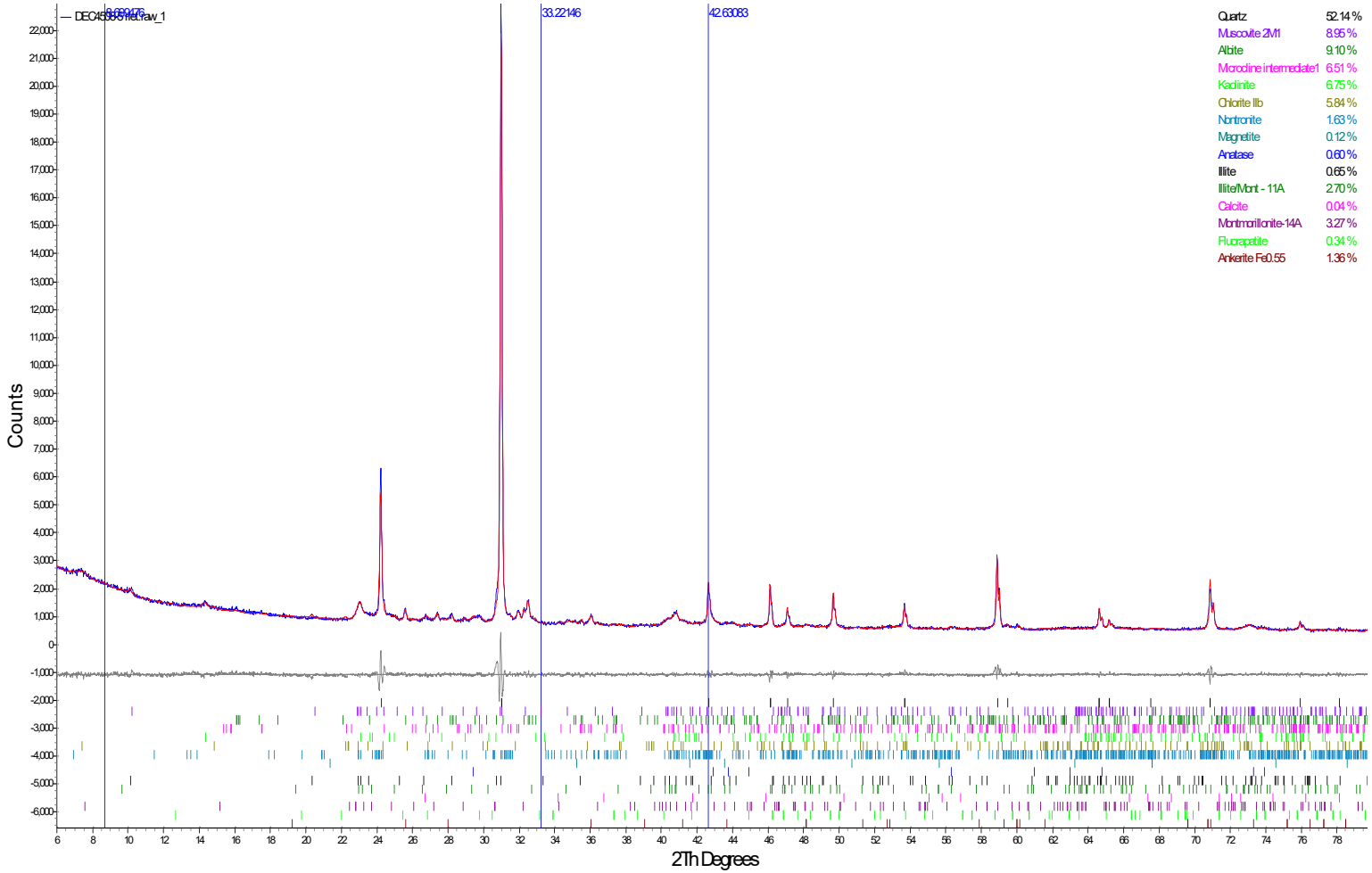

Lin (Counts)
6000
4000
2000
0
3
10
20
30
40
2-Theta - Scale
d=14.15228
d=10.37666
d=9.99430
d=9.91718
d=7.16912
d=4.98316
d=4.75567
d=4.47051
d=4.25592
d=3.57130
d=3.34950
d=2.83990
MW-358 (86-88) - File: DEC4508-3 untrd.raw
MW-358 (86-88) - File: DEC4508-3 glc.raw
MW-358 (86-88) - File: DEC4508-3 400.raw
MW-358 (86-88) - File: DEC4508-3 550.raw


MW-392 (80-82)
DEC4508-Filter.raw_1
32.02226
43.16615
Quartz 29.83 %
Muscovite 2M1 13.05 %
Albite 0.60 %
Microcline intermediate1 1.01 %
Kaolinite 5.53 %
Chlorite IIb 1.60 %
Nontronite 4.20 %
Magnetite 1.37 %
Anatase 0.85 %
Illite 4.11 %
Illite/Mont - 11A 3.57 %
Calcite 28.09 %
Montmorillonite-14A 3.49 %
Fluorapatite 2.68 %
Counts
2Th Degrees

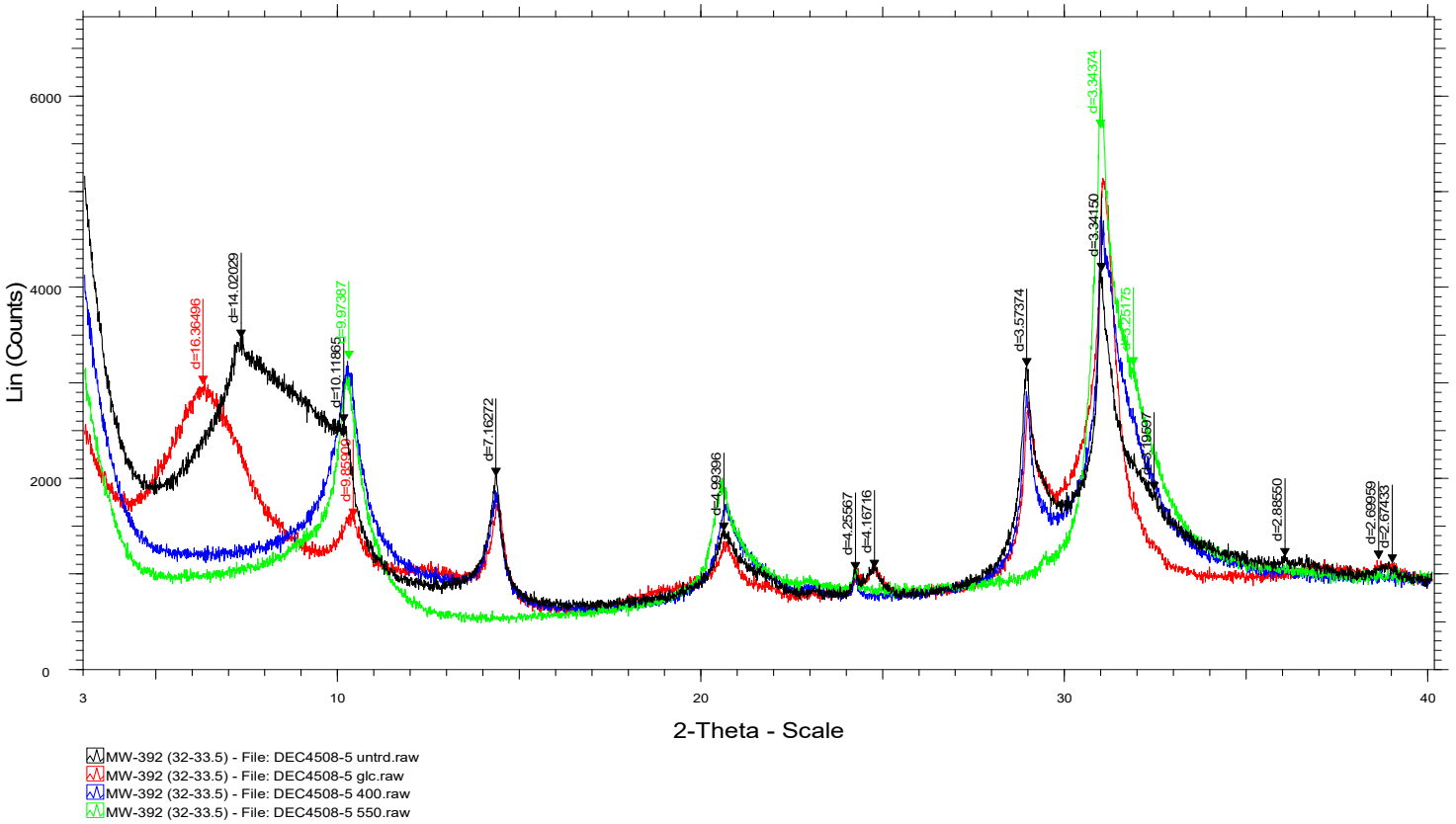
MW-392 (80-82)


Lin (Counts)
2-Theta - Scale
d=13.34383
d=9.95455
d=10.07239
d=9.71013
d=8.36783
d=7.09097
d=5.43664
d=4.97410
d=4.90796
d=4.72975
d=4.50130
d=4.25977
d=4.20435
d=3.84770
d=3.57128
d=3.53346
d=3.34406
d=3.34374
d=3.30639
d=3.26371
d=3.02896
d=2.78138
MW-392 (80-82) - File: DEC4508-4 untrd.raw
MW-392 (80-82) - File: DEC4508-4 glc.raw
MW-392 (80-82) - File: DEC4508-4 400.raw
MW-392 (80-82) - File: DEC4508-4 550.raw

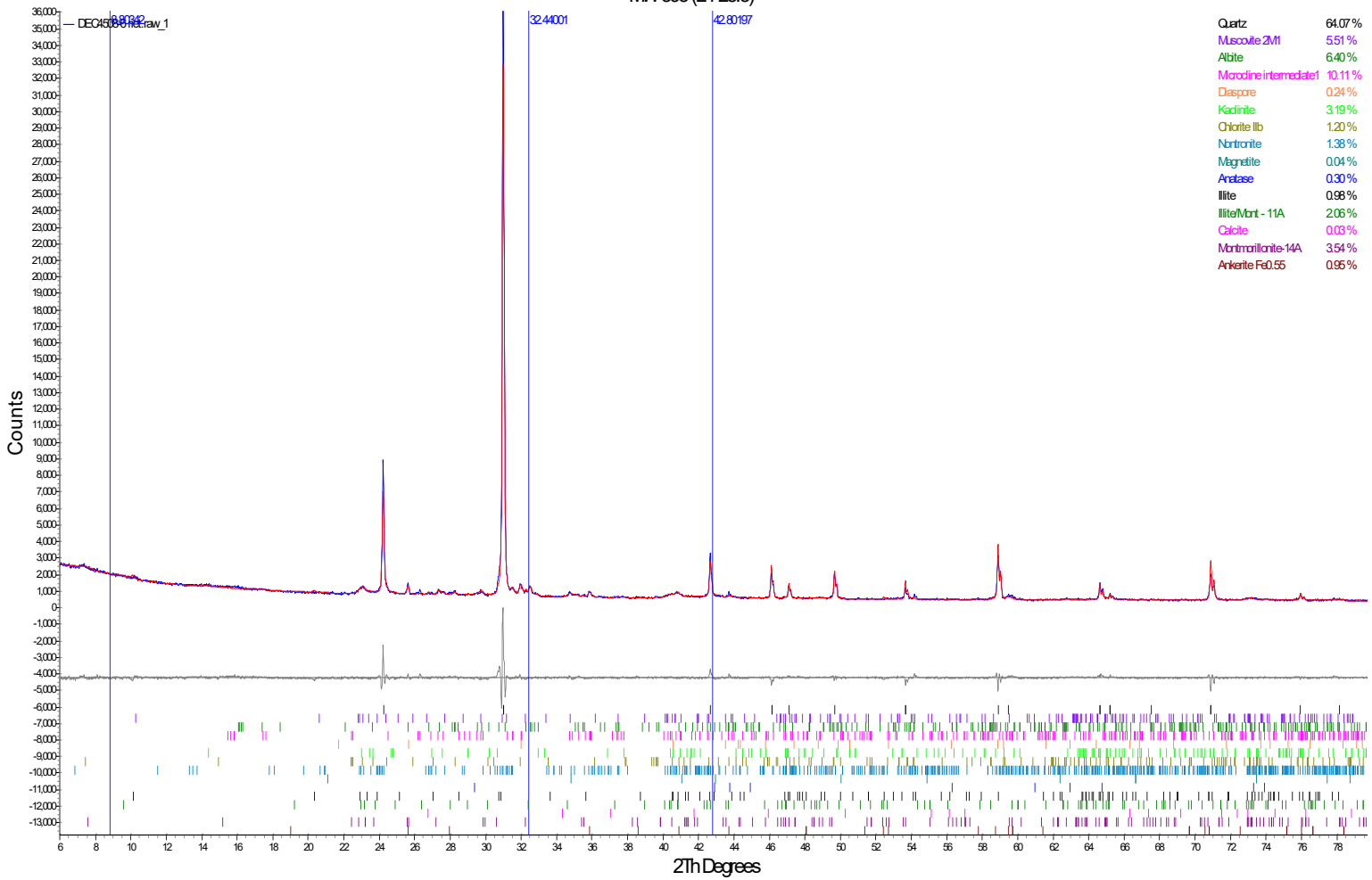
MW-392 (32-33.5)


DEC4508mdl.raw_1
8.859476
33.22146
42.63083
Counts
2Th Degrees
Quartz 52.14 %
Muscovite 2M1 8.95 %
Albite 9.10 %
Microcline intermediate1 6.51 %
Kaolinite 6.75 %
Chlorite IIb 5.84 %
Nontronite 1.63 %
Magnetite 0.12 %
Anatase 0.60 %
Illite 0.65 %
Illite/Mont - 11A 2.70 %
Calcite 0.04 %
Montmorillonite-14A 3.27 %
Fluorapatite 0.34 %
Ankerite Fe0.55 1.36 %

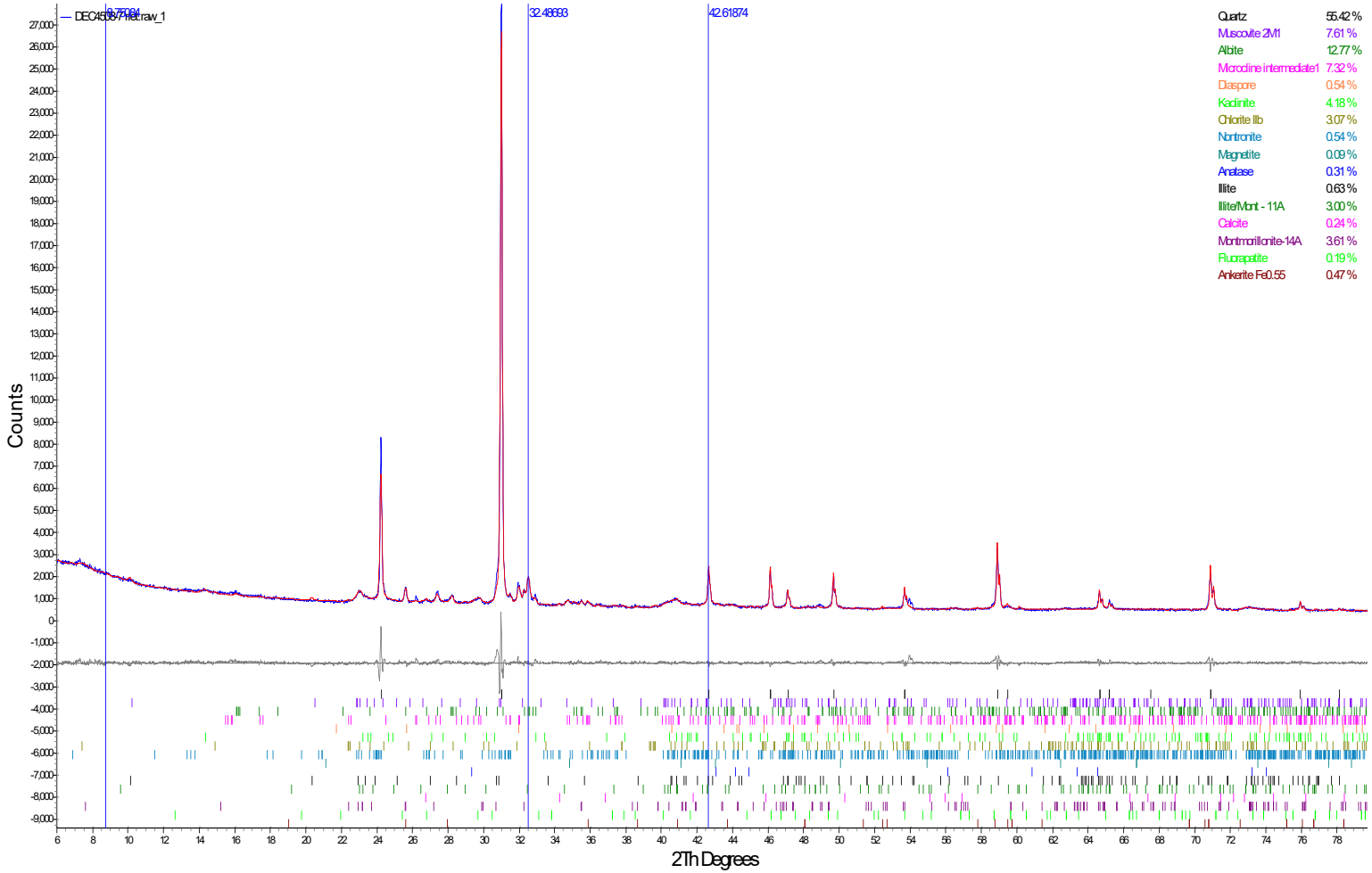
MW-392 (32-33.5)

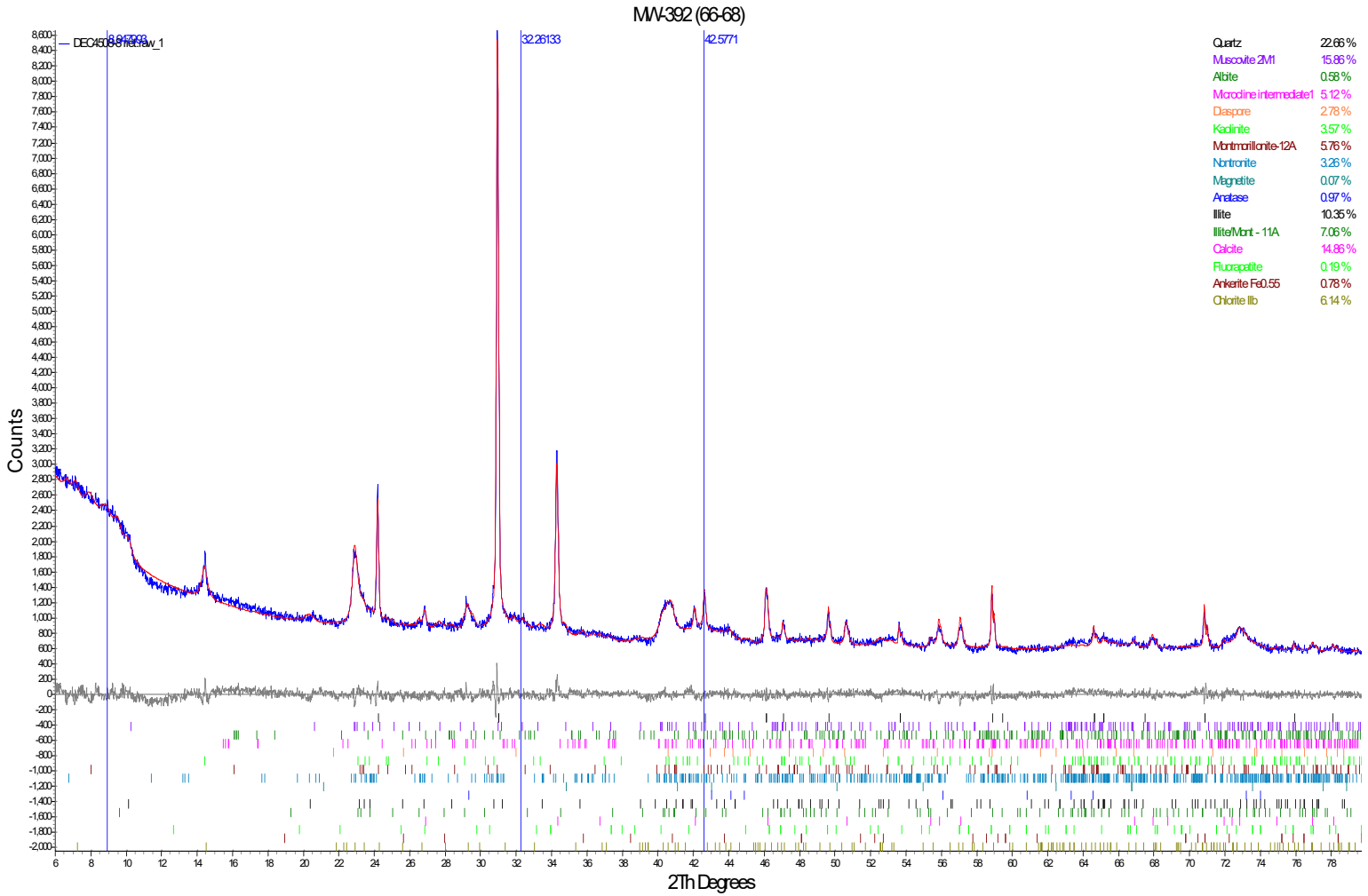

Lin (Counts)
0
2000
4000
6000
3
10
20
30
40
2-Theta - Scale
d=16.36496
d=14.02029
d=10.11865
d=9.97387
d=9.85904
d=7.16272
d=4.99396
d=4.25567
d=4.16716
d=3.57374
d=3.34374
d=3.34150
d=3.25175
d=3.19697
d=2.88550
d=2.69959
d=2.67433
MW-392 (32-33.5) - File: DEC4508-5 untrd.raw
MW-392 (32-33.5) - File: DEC4508-5 glc.raw
MW-392 (32-33.5) - File: DEC4508-5 400.raw
MW-392 (32-33.5) - File: DEC4508-5 550.raw

MW-393 (24-25.5)

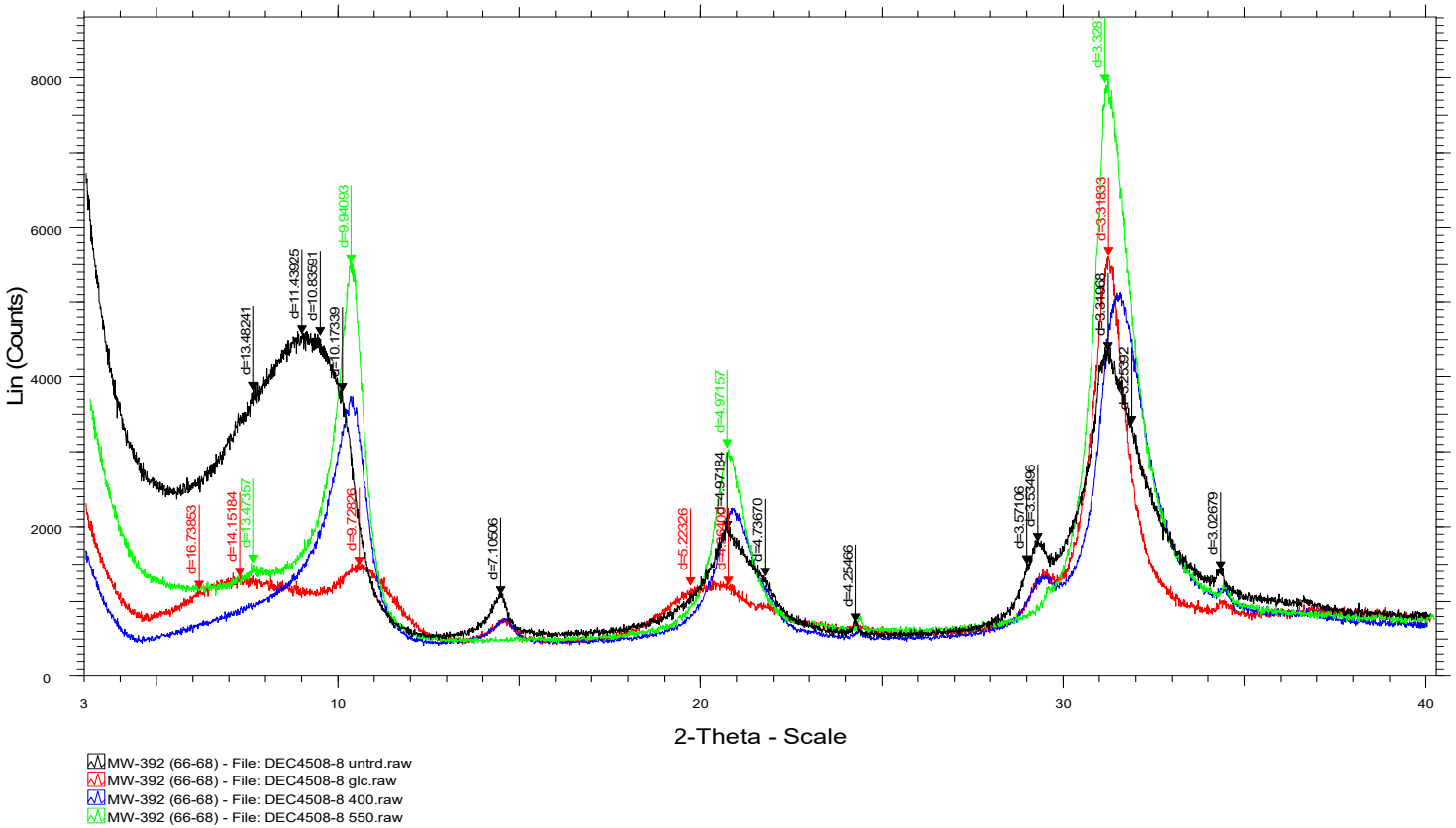

DEC4508-mid.raw_1
8.80342
32.44001
42.80197
Counts
2Th Degrees
Quartz 64.07 %
Muscovite 2M1 5.51 %
Albite 6.40 %
Microcline intermediate1 10.11 %
Diaspore 0.24 %
Kaolinite 3.19 %
Chlorite IIb 1.20 %
Nontronite 1.38 %
Magnetite 0.04 %
Anatase 0.30 %
Illite 0.98 %
Illite/Mont - 11A 2.06 %
Calcite 0.03 %
Montmorillonite-14A 3.54 %
Ankerite Fe0.55 0.95 %

MW-394 (20.5-22)


DEC4508-1.raw_1
32.48693
42.61874
Counts
2Th Degrees
Quartz 55.42 %
Muscovite 2M1 7.61 %
Albite 12.77 %
Microcline intermediate1 7.32 %
Diaspore 0.54 %
Kaolinite 4.18 %
Chlorite IIb 3.07 %
Nontronite 0.54 %
Magnetite 0.09 %
Anatase 0.31 %
Illite 0.63 %
Illite/Mont - 11A 3.00 %
Calcite 0.24 %
Montmorillonite-14A 3.61 %
Fluorapatite 0.19 %
Ankerite Fe0.55 0.47 %


MW-392 (66-68)
DEC4508 mdi.raw_1
8.842999
32.26133
42.5771
Counts
2Th Degrees
Quartz 22.66 %
Muscovite 2M1 15.86 %
Albite 0.58 %
Microcline intermediate1 5.12 %
Diaspore 2.78 %
Kaolinite 3.57 %
Montmorillonite-12A 5.76 %
Nontronite 3.26 %
Magnetite 0.07 %
Anatase 0.97 %
Illite 10.35 %
Illite/Mont - 11A 7.06 %
Calcite 14.86 %
Fluorapatite 0.19 %
Ankerite Fe0.55 0.78 %
Chlorite IIb 6.14 %

MW-392 (66-68)


Lin (Counts)
2-Theta - Scale
d=13.48241
d=11.43925
d=10.83691
d=10.17339
d=9.94093
d=16.73853
d=14.15184
d=13.47357
d=9.72826
d=7.10506
d=5.22326
d=4.97157
d=4.97184
d=4.73670
d=4.25466
d=3.57106
d=3.53496
d=3.32812
d=3.31693
d=3.31693
d=3.22592
d=3.02679
MW-392 (66-68) - File: DEC4508-8 untrd.raw
MW-392 (66-68) - File: DEC4508-8 glc.raw
MW-392 (66-68) - File: DEC4508-8 400.raw
MW-392 (66-68) - File: DEC4508-8 550.raw

ATTACHMENT 10
Sequential Extraction Procedure Laboratory Analytical Report

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

28-February-2023

Ramboll Americas Engineering Solutions, Inc.
Attn : Evvan Plank

P.O# Box 4873
Syrascuse, New York
13221-7873, USA

Phone: 315-463-7554
Fax:

Date Rec. : 24 November 2022
LR Report: **CA19218-NOV22**
Reference: Baldwin Power Plant Drilling

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: MW-358 (13-15)	6: MW-358 (47-49)	7: MW-358 (86-88)	8: MW-392 (80-82)
Sample Date & Time					05-Oct-22 14:05	06-Oct-22 15:00	08-Oct-22 18:00	26-Sep-22 16:00
Ag [µg/g]	19-Jan-23	23:42	31-Jan-23	09:43	< 0.05	< 0.05	< 0.05	< 0.05
Al [µg/g]	19-Jan-23	23:42	31-Jan-23	09:43	30	540	380	18
As [µg/g]	19-Jan-23	23:42	31-Jan-23	09:43	< 0.5	< 0.5	< 0.5	< 0.5
Ba [µg/g]	19-Jan-23	23:42	31-Jan-23	09:43	0.4	11	4.2	< 0.1
Be [µg/g]	19-Jan-23	23:42	31-Jan-23	09:43	< 0.02	0.06	0.05	< 0.02
B [µg/g]	19-Jan-23	23:42	31-Jan-23	09:43	< 1	8	10	3
Bi [µg/g]	19-Jan-23	23:42	31-Jan-23	09:43	< 0.09	< 0.09	< 0.09	< 0.09
Ca [µg/g]	19-Jan-23	23:42	31-Jan-23	09:43	21	300	140	75
Cd [µg/g]	19-Jan-23	23:42	31-Jan-23	09:43	< 0.05	< 0.05	< 0.05	< 0.05
Co [µg/g]	19-Jan-23	23:42	31-Jan-23	09:43	< 0.01	0.04	0.86	0.02
Cr [µg/g]	19-Jan-23	23:42	31-Jan-23	09:43	< 0.5	< 0.5	< 0.5	< 0.5
Cu [µg/g]	19-Jan-23	23:42	31-Jan-23	09:43	< 0.1	< 0.1	0.1	< 0.1
Fe [µg/g]	19-Jan-23	23:42	31-Jan-23	09:43	17	240	190	< 1
K [µg/g]	19-Jan-23	23:42	31-Jan-23	09:43	7	250	190	41
Li [µg/g]	19-Jan-23	23:42	31-Jan-23	09:43	< 2	< 2	< 2	< 2
Mg [µg/g]	19-Jan-23	23:42	31-Jan-23	09:43	9	210	150	19
Mn [µg/g]	19-Jan-23	23:42	31-Jan-23	09:43	< 0.5	0.6	0.9	< 0.5
Mo [µg/g]	19-Jan-23	23:42	31-Jan-23	09:43	< 0.1	< 0.1	< 0.1	< 0.1
Na [µg/g]	19-Jan-23	23:42	31-Jan-23	09:43	65	1800	1600	850
Ni [µg/g]	19-Jan-23	23:42	31-Jan-23	09:43	< 0.5	< 0.5	1.2	< 0.5
P [µg/g]	19-Jan-23	23:42	31-Jan-23	09:43	< 3	6	< 3	< 3
Pb [µg/g]	19-Jan-23	23:42	31-Jan-23	09:43	< 0.1	< 0.1	0.2	< 0.1
Si [µg/g]	19-Jan-23	23:42	31-Jan-23	09:43	100	950	750	59
Sb [µg/g]	19-Jan-23	23:42	31-Jan-23	09:43	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	19-Jan-23	23:42	31-Jan-23	09:43	< 0.7	< 0.7	< 0.7	< 0.7
Sr [µg/g]	19-Jan-23	23:42	31-Jan-23	09:43	0.1	13	5.9	1.4
Sn [µg/g]	19-Jan-23	23:42	31-Jan-23	09:43	< 0.5	< 0.5	< 0.5	< 0.5
Ti [µg/g]	19-Jan-23	23:42	31-Jan-23	09:43	1.1	0.6	0.5	0.6
Tl [µg/g]	19-Jan-23	23:42	31-Jan-23	09:43	< 0.02	< 0.02	< 0.02	< 0.02
U [µg/g]	19-Jan-23	23:42	31-Jan-23	09:43	< 0.002	0.006	0.029	< 0.002
V [µg/g]	19-Jan-23	23:42	31-Jan-23	09:43	< 3	< 3	< 3	< 3
Zn [µg/g]	19-Jan-23	23:42	31-Jan-23	09:43	< 0.7	< 0.7	< 0.7	< 0.7

OnLine LIMS

0003245943

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA19218-NOV22**

Analysis	9: MW-392 (32-33.5)	10: MW-393 (24-25.5)	11: MW-394 (20.5-22)	12: MW-392 (66-68)
Sample Date & Time	27-Sep-22 09:00	04-Oct-22 16:00	25-Sep-22 16:00	26-Sep-22 12:00
Ag [µg/g]	< 0.05	< 0.05	< 0.05	< 0.05
Al [µg/g]	33	26	24	59
As [µg/g]	< 0.5	< 0.5	< 0.5	< 0.5
Ba [µg/g]	0.5	0.3	0.3	0.3
Be [µg/g]	< 0.02	< 0.02	< 0.02	< 0.02
B [µg/g]	< 1	< 1	< 1	5
Bi [µg/g]	< 0.09	< 0.09	< 0.09	< 0.09
Ca [µg/g]	130	28	25	89
Cd [µg/g]	< 0.05	< 0.05	< 0.05	< 0.05
Co [µg/g]	0.02	< 0.01	0.01	0.02
Cr [µg/g]	< 0.5	< 0.5	< 0.5	< 0.5
Cu [µg/g]	< 0.1	< 0.1	< 0.1	< 0.1
Fe [µg/g]	27	14	20	28
K [µg/g]	16	9	12	92
Li [µg/g]	< 2	< 2	< 2	< 2
Mg [µg/g]	40	12	12	44
Mn [µg/g]	1.4	0.7	0.6	< 0.5
Mo [µg/g]	< 0.1	< 0.1	< 0.1	< 0.1
Na [µg/g]	44	49	43	720
Ni [µg/g]	< 0.5	< 0.5	< 0.5	< 0.5
P [µg/g]	< 3	< 3	< 3	< 3
Pb [µg/g]	< 0.1	< 0.1	< 0.1	< 0.1
Si [µg/g]	100	80	91	140
Sb [µg/g]	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	< 0.7	< 0.7	< 0.7	< 0.7
Sr [µg/g]	0.3	< 0.1	< 0.1	1.8
Sn [µg/g]	< 0.5	< 0.5	< 0.5	< 0.5
Ti [µg/g]	0.6	0.6	0.9	0.5
Tl [µg/g]	< 0.02	< 0.02	< 0.02	< 0.02
U [µg/g]	< 0.002	< 0.002	< 0.002	< 0.002
V [µg/g]	< 3	< 3	< 3	< 3
Zn [µg/g]	< 0.7	< 0.7	< 0.7	< 0.7

Water Soluble Fraction

Catharine Arnold

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

0003245943

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

28-February-2023

Ramboll Americas Engineering Solutions, Inc.
Attn : Evvan Plank

P.O# Box 4873
Syrascuse, New York
13221-7873, USA

Phone: 315-463-7554
Fax:

Date Rec. : 24 November 2022
LR Report: **CA19219-NOV22**
Reference: Baldwin Power Plant Drilling

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: MW-358 (13-15)	6: MW-358 (47-49)	7: MW-358 (86-88)	8: MW-392 (80-82)
Sample Date & Time					05-Oct-22 14:05	06-Oct-22 15:00	08-Oct-22 18:00	26-Sep-22 16:00
Ag [µg/g]	19-Jan-23	23:42	31-Jan-23	09:43	< 0.05	< 0.05	< 0.05	< 0.05
Al [µg/g]	19-Jan-23	23:42	31-Jan-23	09:43	9	17	8	9
As [µg/g]	19-Jan-23	23:42	31-Jan-23	09:43	< 0.5	< 0.5	< 0.5	< 0.5
Ba [µg/g]	19-Jan-23	23:42	31-Jan-23	09:43	48	55	15	3.0
Be [µg/g]	19-Jan-23	23:42	31-Jan-23	09:43	< 0.02	< 0.02	< 0.02	< 0.02
B [µg/g]	19-Jan-23	23:42	31-Jan-23	09:43	< 1	< 1	1	< 1
Bi [µg/g]	19-Jan-23	23:42	31-Jan-23	09:43	< 0.09	< 0.09	< 0.09	< 0.09
Ca [µg/g]	19-Jan-23	23:42	31-Jan-23	09:43	2000	2500	1300	3500
Cd [µg/g]	19-Jan-23	23:42	31-Jan-23	09:43	< 0.05	< 0.05	< 0.05	< 0.05
Co [µg/g]	19-Jan-23	23:42	31-Jan-23	09:43	< 0.01	< 0.01	0.58	0.24
Cr [µg/g]	19-Jan-23	23:42	31-Jan-23	09:43	< 0.5	< 0.5	< 0.5	< 0.5
Cu [µg/g]	19-Jan-23	23:42	31-Jan-23	09:43	< 0.1	< 0.1	< 0.1	< 0.1
Fe [µg/g]	19-Jan-23	23:42	31-Jan-23	09:43	2	21	< 1	12
K [µg/g]	19-Jan-23	23:42	31-Jan-23	09:43	37	430	300	160
Li [µg/g]	19-Jan-23	23:42	31-Jan-23	09:43	< 2	< 2	< 2	< 2
Mn [µg/g]	19-Jan-23	23:42	31-Jan-23	09:44	6.5	0.7	1.8	3.6
Mo [µg/g]	19-Jan-23	23:42	31-Jan-23	09:44	< 0.1	< 0.1	< 0.1	< 0.1
Na [µg/g]	19-Jan-23	23:42	31-Jan-23	09:44	45	3200	2600	420
Ni [µg/g]	19-Jan-23	23:42	31-Jan-23	09:44	< 0.5	< 0.5	< 0.5	0.7
Pb [µg/g]	19-Jan-23	23:42	31-Jan-23	09:44	< 0.1	< 0.1	< 0.1	< 0.1
P [µg/g]	19-Jan-23	23:42	31-Jan-23	09:44	< 3	4	< 3	43
Sb [µg/g]	19-Jan-23	23:42	31-Jan-23	09:44	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	19-Jan-23	23:42	31-Jan-23	09:44	< 0.7	< 0.7	< 0.7	< 0.7
Sn [µg/g]	19-Jan-23	23:42	31-Jan-23	09:44	< 0.5	< 0.5	< 0.5	< 0.5
Sr [µg/g]	19-Jan-23	23:42	31-Jan-23	09:44	11	100	52	76
Ti [µg/g]	19-Jan-23	23:42	31-Jan-23	09:44	0.9	0.3	0.2	0.1
Tl [µg/g]	19-Jan-23	23:42	31-Jan-23	09:44	< 0.02	< 0.02	< 0.02	< 0.02
U [µg/g]	19-Jan-23	23:42	31-Jan-23	09:44	< 0.002	0.009	0.006	0.043
V [µg/g]	19-Jan-23	23:42	31-Jan-23	09:44	< 3	< 3	< 3	< 3
Zn [µg/g]	19-Jan-23	23:42	31-Jan-23	09:44	< 0.7	< 0.7	< 0.7	< 0.7

OnLine LIMS

0003245960

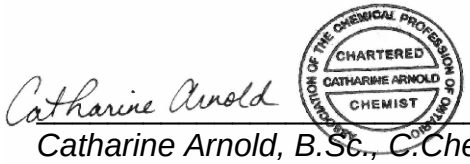
Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA19219-NOV22**

Analysis	9: MW-392 (32-33.5)	10: MW-393 (24-25.5)	11: MW-394 (20.5-22)	12: MW-392 (66-68)
Sample Date & Time	27-Sep-22 09:00	04-Oct-22 16:00	25-Sep-22 16:00	26-Sep-22 12:00
Ag [µg/g]	< 0.05	< 0.05	< 0.05	< 0.05
Al [µg/g]	10	12	12	10
As [µg/g]	< 0.5	< 0.5	< 0.5	< 0.5
Ba [µg/g]	16	16	10	4.3
Be [µg/g]	< 0.02	< 0.02	< 0.02	< 0.02
B [µg/g]	< 1	< 1	< 1	2
Bi [µg/g]	< 0.09	< 0.09	< 0.09	< 0.09
Ca [µg/g]	2500	1400	2100	3700
Cd [µg/g]	< 0.05	< 0.05	< 0.05	< 0.05
Co [µg/g]	0.02	< 0.01	< 0.01	0.02
Cr [µg/g]	< 0.5	< 0.5	< 0.5	< 0.5
Cu [µg/g]	< 0.1	< 0.1	< 0.1	< 0.1
Fe [µg/g]	8	9	8	10
K [µg/g]	44	35	60	360
Li [µg/g]	< 2	< 2	< 2	< 2
Mn [µg/g]	3.5	1.7	3.2	2.5
Mo [µg/g]	< 0.1	< 0.1	< 0.1	< 0.1
Na [µg/g]	17	22	30	480
Ni [µg/g]	< 0.5	< 0.5	< 0.5	< 0.5
Pb [µg/g]	< 0.1	< 0.1	< 0.1	< 0.1
P [µg/g]	< 3	< 3	4	< 3
Sb [µg/g]	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	< 0.7	< 0.7	< 0.7	< 0.7
Sn [µg/g]	< 0.5	< 0.5	< 0.5	< 0.5
Sr [µg/g]	6.5	4.3	7.4	75
Ti [µg/g]	0.1	0.6	0.3	< 0.1
Tl [µg/g]	< 0.02	< 0.02	< 0.02	< 0.02
U [µg/g]	< 0.002	< 0.002	< 0.002	0.004
V [µg/g]	< 3	< 3	< 3	< 3
Zn [µg/g]	< 0.7	< 0.7	< 0.7	< 0.7

Fraction 2 Exchangeable Metals



Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

00032459960

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

28-February-2023

Ramboll Americas Engineering Solutions, Inc.
Attn : Evvan Plank

P.O# Box 4873
Syrascuse, New York
13221-7873, USA

Phone: 315-463-7554
Fax:

Date Rec. : 24 November 2022
LR Report: **CA19220-NOV22**
Reference: Ramboll Power Plant Drilling

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: MW-358 (13-15)	6: MW-358 (47-49)	7: MW-358 (86-88)	8: MW-392 (80-82)
Sample Date & Time					05-Oct-22 14:05	06-Oct-22 15:00	08-Oct-22 18:00	26-Sep-22 16:00
Ag [µg/g]	19-Jan-23	23:42	31-Jan-23	09:45	< 0.05	< 0.05	< 0.05	< 0.05
Al [µg/g]	19-Jan-23	23:42	31-Jan-23	09:45	30	55	56	25
As [µg/g]	19-Jan-23	23:42	31-Jan-23	09:45	< 0.5	< 0.5	< 0.5	< 0.5
Ba [µg/g]	19-Jan-23	23:42	31-Jan-23	09:45	25	23	6.9	2.8
Be [µg/g]	19-Jan-23	23:42	31-Jan-23	09:45	0.09	0.10	0.07	0.03
B [µg/g]	19-Jan-23	23:42	31-Jan-23	09:45	< 1	2	3	4
Bi [µg/g]	19-Jan-23	23:42	31-Jan-23	09:45	< 0.09	< 0.09	< 0.09	< 0.09
Ca [µg/g]	19-Jan-23	23:42	31-Jan-23	09:45	110	1300	770	52000
Cd [µg/g]	19-Jan-23	23:42	31-Jan-23	09:45	< 0.05	< 0.05	< 0.05	< 0.05
Co [µg/g]	19-Jan-23	23:42	31-Jan-23	09:45	0.04	0.02	2.3	1.0
Cr [µg/g]	19-Jan-23	23:42	31-Jan-23	09:45	< 0.5	< 0.5	< 0.5	< 0.5
Cu [µg/g]	19-Jan-23	23:42	31-Jan-23	09:45	0.6	0.2	0.6	0.2
Fe [µg/g]	19-Jan-23	23:42	31-Jan-23	09:45	40	45	42	25
K [µg/g]	19-Jan-23	23:42	31-Jan-23	09:45	15	180	120	90
Li [µg/g]	19-Jan-23	23:42	31-Jan-23	09:45	< 2	< 2	< 2	< 2
Mn [µg/g]	19-Jan-23	23:42	31-Jan-23	09:45	13	7.0	4.3	77
Mo [µg/g]	19-Jan-23	23:42	31-Jan-23	09:45	< 0.1	< 0.1	< 0.1	< 0.1
Ni [µg/g]	19-Jan-23	23:42	31-Jan-23	09:46	< 0.5	< 0.5	1.9	2.7
Pb [µg/g]	19-Jan-23	23:42	31-Jan-23	09:46	0.2	0.1	0.9	1.9
P [µg/g]	19-Jan-23	23:42	31-Jan-23	09:46	< 3	13	< 3	100
Sb [µg/g]	19-Jan-23	23:42	31-Jan-23	09:46	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	19-Jan-23	23:42	31-Jan-23	09:46	< 0.7	< 0.7	< 0.7	< 0.7
Si [µg/g]	19-Jan-23	23:42	31-Jan-23	09:46	96	160	150	33
Sn [µg/g]	19-Jan-23	23:42	31-Jan-23	09:46	< 0.5	< 0.5	< 0.5	< 0.5
Sr [µg/g]	19-Jan-23	23:42	31-Jan-23	09:46	0.5	10	7.3	99
Ti [µg/g]	19-Jan-23	23:42	31-Jan-23	09:46	0.8	0.6	0.5	1.0
Tl [µg/g]	19-Jan-23	23:42	31-Jan-23	09:46	< 0.02	< 0.02	< 0.02	< 0.02
U [µg/g]	19-Jan-23	23:42	31-Jan-23	09:46	0.19	0.094	0.13	0.31
V [µg/g]	19-Jan-23	23:42	31-Jan-23	09:46	< 3	< 3	< 3	< 3
Zn [µg/g]	19-Jan-23	23:42	31-Jan-23	09:46	< 0.7	< 0.7	< 0.7	3.7

OnLine LIMS

0003245975

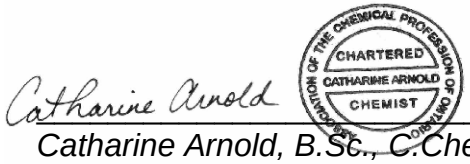
Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA19220-NOV22**

Analysis	9: MW-392 (32-33.5)	10: MW-393 (24-25.5)	11: MW-394 (20.5-22)	12: MW-392 (66-68)
Sample Date & Time	27-Sep-22 09:00	04-Oct-22 16:00	25-Sep-22 16:00	26-Sep-22 12:00
Ag [µg/g]	< 0.05	< 0.05	< 0.05	< 0.05
Al [µg/g]	30	28	23	28
As [µg/g]	< 0.5	< 0.5	< 0.5	< 0.5
Ba [µg/g]	19	15	12	5.0
Be [µg/g]	0.06	0.04	0.04	0.07
B [µg/g]	< 1	< 1	< 1	3
Bi [µg/g]	< 0.09	< 0.09	< 0.09	< 0.09
Ca [µg/g]	1500	56	140	35000
Cd [µg/g]	< 0.05	< 0.05	< 0.05	< 0.05
Co [µg/g]	0.05	0.02	0.03	0.27
Cr [µg/g]	< 0.5	< 0.5	< 0.5	< 0.5
Cu [µg/g]	0.8	0.2	0.2	0.6
Fe [µg/g]	9	14	10	300
K [µg/g]	16	10	15	130
Li [µg/g]	< 2	< 2	< 2	< 2
Mn [µg/g]	20	4.4	7.0	144
Mo [µg/g]	< 0.1	< 0.1	< 0.1	< 0.1
Ni [µg/g]	< 0.5	< 0.5	< 0.5	< 0.5
Pb [µg/g]	0.2	0.1	0.1	0.4
P [µg/g]	< 3	< 3	4	< 3
Sb [µg/g]	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	< 0.7	< 0.7	< 0.7	< 0.7
Si [µg/g]	130	90	99	96
Sn [µg/g]	< 0.5	< 0.5	< 0.5	< 0.5
Sr [µg/g]	1.5	0.3	0.8	59
Ti [µg/g]	0.1	1.9	0.6	< 0.1
Tl [µg/g]	< 0.02	< 0.02	< 0.02	< 0.02
U [µg/g]	0.12	0.14	0.17	0.100
V [µg/g]	< 3	< 3	< 3	< 3
Zn [µg/g]	< 0.7	< 0.7	< 0.7	1.0

Fraction 3 Metals Bound to Carbonates



Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

0003245975

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

28-February-2023

Ramboll Americas Engineering Solutions, Inc.
Attn : Evvan Plank

P.O# Box 4873
Syrascuse, New York
13221-7873, USA

Phone: 315-463-7554
Fax:

Date Rec. : 24 November 2022
LR Report: **CA19221-NOV22**
Reference: Baldwin Power Plant Drilling

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: MW-358 (13-15)	6: MW-358 (47-49)	7: MW-358 (86-88)	8: MW-392 (80-82)	9: MW-392 (32-33.5)
Sample Date & Time			05-Oct-22 14:05	06-Oct-22 15:00	08-Oct-22 18:00	26-Sep-22 16:00	27-Sep-22 09:00
Ag [µg/g]	31-Jan-23	09:47	< 0.01	< 0.01	< 0.01	< 0.01	0.01
Al [µg/g]	31-Jan-23	09:47	290	310	340	220	220
As [µg/g]	31-Jan-23	09:47	< 0.5	< 0.5	< 0.5	1.3	< 0.5
Ba [µg/g]	31-Jan-23	09:47	16	6.4	1.6	4.1	56
Be [µg/g]	31-Jan-23	09:47	0.26	0.16	0.15	0.15	0.21
B [µg/g]	31-Jan-23	09:47	< 1	5	6	6	< 1
Bi [µg/g]	31-Jan-23	09:47	< 0.09	< 0.09	< 0.09	0.14	< 0.09
Ca [µg/g]	31-Jan-23	09:47	71	320	250	130000	2300
Cd [µg/g]	31-Jan-23	09:47	< 0.05	< 0.05	< 0.05	0.13	0.18
Co [µg/g]	31-Jan-23	09:47	3.8	0.33	3.0	2.3	5.1
Cr [µg/g]	31-Jan-23	09:47	2.3	1.2	1.3	1.0	0.9
Cu [µg/g]	31-Jan-23	09:47	1.6	0.4	0.7	0.1	2.9
Fe [µg/g]	31-Jan-23	09:47	1600	1600	1200	1800	1100
K [µg/g]	31-Jan-23	09:47	16	140	110	43	19
Li [µg/g]	31-Jan-23	09:47	< 2	3	5	< 2	< 2
Mn [µg/g]	31-Jan-23	09:47	240	3.1	2.9	190	500
Mo [µg/g]	31-Jan-23	09:47	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Ni [µg/g]	31-Jan-23	09:47	3.1	2.7	4.5	6.5	3.1
Pb [µg/g]	31-Jan-23	09:47	3.3	0.2	1.2	8.4	3.7
P [µg/g]	31-Jan-23	09:47	19	110	77	400	31
Sb [µg/g]	31-Jan-23	09:47	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	31-Jan-23	09:47	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Si [µg/g]	31-Jan-23	09:47	920	910	710	270	600
Sn [µg/g]	31-Jan-23	09:47	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Sr [µg/g]	31-Jan-23	09:47	0.4	3.1	2.8	237	1.7
Ti [µg/g]	31-Jan-23	09:47	0.4	0.1	0.3	< 0.1	< 0.1
Tl [µg/g]	31-Jan-23	09:47	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
U [µg/g]	31-Jan-23	09:47	0.26	0.068	0.17	0.62	0.15
V [µg/g]	31-Jan-23	09:47	5	< 3	< 3	< 3	3
Zn [µg/g]	31-Jan-23	09:47	2.9	1.9	1.9	13	3.8

OnLine LIMS

00032459B2

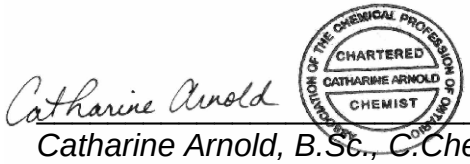
Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA19221-NOV22**

Analysis	10: MW-393 (24-25.5)	11: MW-394 (20.5-22)	12: MW-392 (66-68)
Sample Date & Time	04-Oct-22 16:00	25-Sep-22 16:00	26-Sep-22 12:00
Ag [µg/g]	< 0.01	0.02	< 0.01
Al [µg/g]	290	270	490
As [µg/g]	< 0.5	< 0.5	< 0.5
Ba [µg/g]	45	35	1.5
Be [µg/g]	0.16	0.18	0.18
B [µg/g]	< 1	< 1	4
Bi [µg/g]	< 0.09	< 0.09	0.14
Ca [µg/g]	100	350	7600
Cd [µg/g]	0.06	0.14	< 0.05
Co [µg/g]	4.3	3.5	0.62
Cr [µg/g]	1.2	1.2	2.0
Cu [µg/g]	1.5	2.0	0.9
Fe [µg/g]	1500	1200	2700
K [µg/g]	15	22	120
Li [µg/g]	< 2	< 2	2
Mn [µg/g]	380	260	63
Mo [µg/g]	< 0.1	< 0.1	< 0.1
Ni [µg/g]	3.2	3.7	2.5
Pb [µg/g]	3.5	2.1	0.9
P [µg/g]	17	91	110
Sb [µg/g]	< 0.8	< 0.8	< 0.8
Se [µg/g]	< 0.7	< 0.7	< 0.7
Si [µg/g]	660	850	650
Sn [µg/g]	< 0.5	< 0.5	< 0.5
Sr [µg/g]	0.5	1.3	26
Ti [µg/g]	0.3	0.2	0.2
Tl [µg/g]	< 0.02	< 0.02	< 0.02
U [µg/g]	0.12	0.18	0.082
V [µg/g]	< 3	5	< 3
Zn [µg/g]	4.3	7.8	2.8

Fraction 4 Metals Bound to Fe and Mn Oxides



Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

0003245982

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

28-February-2023

Ramboll Americas Engineering Solutions, Inc.
Attn : Evvan Plank

P.O# Box 4873
Syrascuse, New York
13221-7873, USA

Phone: 315-463-7554
Fax:

Date Rec. : 24 November 2022
LR Report: **CA19222-NOV22**
Reference: Baldwin Power plant Drilling

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: MW-358 (13-15)	6: MW-358 (47-49)	7: MW-358 (86-88)	8: MW-392 (80-82)	9: MW-392 (32-33.5)
Sample Date & Time			05-Oct-22 14:05	06-Oct-22 15:00	08-Oct-22 18:00	26-Sep-22 16:00	27-Sep-22 09:00
Ag [µg/g]	31-Jan-23	09:48	0.14	0.15	0.08	0.07	0.06
Al [µg/g]	31-Jan-23	09:48	980	1300	1100	130	610
As [µg/g]	31-Jan-23	09:48	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Ba [µg/g]	31-Jan-23	09:48	15	11	1.8	3.6	36
Be [µg/g]	31-Jan-23	09:48	0.13	0.32	0.16	0.07	0.12
B [µg/g]	31-Jan-23	09:48	< 1	2	2	2	< 1
Bi [µg/g]	31-Jan-23	09:48	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09
Ca [µg/g]	31-Jan-23	09:48	160	490	220	8600	840
Cd [µg/g]	31-Jan-23	09:48	< 0.05	< 0.05	< 0.05	0.20	< 0.05
Co [µg/g]	31-Jan-23	09:48	1.4	0.45	9.7	3.3	1.3
Cr [µg/g]	31-Jan-23	09:48	2.1	1.0	1.2	< 0.5	1.6
Cu [µg/g]	31-Jan-23	09:48	0.5	1.0	1.8	1.9	0.4
Fe [µg/g]	31-Jan-23	09:48	150	610	1800	220	83
K [µg/g]	31-Jan-23	09:48	15	104	79	25	15
Li [µg/g]	31-Jan-23	09:48	< 2	< 2	3	< 2	< 2
Mg [µg/g]	31-Jan-23	09:48	170	1100	870	200	500
Mn [µg/g]	31-Jan-23	09:48	85	3.6	15	16	92
Mo [µg/g]	31-Jan-23	09:48	< 0.1	< 0.1	< 0.1	0.2	0.4
Na [µg/g]	31-Jan-23	09:48	110	180	150	90	75
Ni [µg/g]	31-Jan-23	09:48	1.9	4.3	13	15	2.1
Pb [µg/g]	31-Jan-23	09:48	1.6	0.1	1.6	3.8	1.3
P [µg/g]	31-Jan-23	09:48	< 3	< 3	< 3	290	5
Sb [µg/g]	31-Jan-23	09:48	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	31-Jan-23	09:48	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Si [µg/g]	31-Jan-23	09:48	590	480	420	130	530
Sn [µg/g]	31-Jan-23	09:48	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Sr [µg/g]	31-Jan-23	09:48	0.5	5.1	2.8	48	0.9
Ti [µg/g]	31-Jan-23	09:48	0.7	< 0.1	< 0.1	< 0.1	2.9
Tl [µg/g]	31-Jan-23	09:48	< 0.02	< 0.02	0.02	0.05	< 0.02
U [µg/g]	31-Jan-23	09:48	0.17	0.13	0.19	0.25	0.060
V [µg/g]	31-Jan-23	09:48	< 3	< 3	< 3	< 3	3
Zn [µg/g]	31-Jan-23	09:48	1.4	< 0.7	1.8	41	1.7

OnLine LIMS

00032459B6

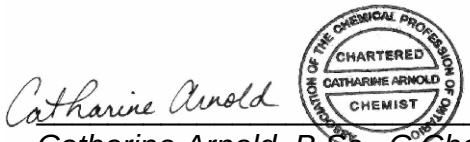
Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA19222-NOV22**

Analysis	10: MW-393 (24-25.5)	11: MW-394 (20.5-22)	12: MW-392 (66-68)
Sample Date & Time	04-Oct-22 16:00	25-Sep-22 16:00	26-Sep-22 12:00
Ag [µg/g]	< 0.05	< 0.05	< 0.05
Al [µg/g]	660	870	820
As [µg/g]	< 0.5	< 0.5	< 0.5
Ba [µg/g]	33	45	1.5
Be [µg/g]	0.08	0.15	0.18
B [µg/g]	< 1	< 1	2
Bi [µg/g]	< 0.09	< 0.09	< 0.09
Ca [µg/g]	88	300	2400
Cd [µg/g]	< 0.05	< 0.05	< 0.05
Co [µg/g]	1.2	2.3	0.68
Cr [µg/g]	1.2	1.5	1.1
Cu [µg/g]	0.3	0.8	1.4
Fe [µg/g]	93	120	680
K [µg/g]	14	21	70
Li [µg/g]	< 2	< 2	< 2
Mg [µg/g]	150	280	730
Mn [µg/g]	100	164	15
Mo [µg/g]	0.1	0.3	< 0.1
Na [µg/g]	48	170	95
Ni [µg/g]	1.6	3.5	2.9
Pb [µg/g]	1.7	1.3	0.9
P [µg/g]	4	8	< 3
Sb [µg/g]	< 0.8	< 0.8	< 0.8
Se [µg/g]	< 0.7	< 0.7	< 0.7
Si [µg/g]	470	650	470
Sn [µg/g]	< 0.5	< 0.5	< 0.5
Sr [µg/g]	0.3	1.2	9.8
Ti [µg/g]	2.1	2.5	< 0.1
Tl [µg/g]	< 0.02	< 0.02	< 0.02
U [µg/g]	0.065	0.16	0.080
V [µg/g]	< 3	4	< 3
Zn [µg/g]	1.6	4.0	0.9

Fraction 5 Bound to Organic Material



Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

0003245986

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

28-February-2023

Ramboll Americas Engineering Solutions, Inc.
Attn : Evvan Plank

P.O# Box 4873
Syrascuse, New York
13221-7873, USA

Phone: 315-463-7554
Fax:

Date Rec. : 24 November 2022
LR Report: **CA19223-NOV22**
Reference: Baldwin Power Plant Drilling

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: MW-358 (13-15)	6: MW-358 (47-49)	7: MW-358 (86-88)	8: MW-392 (80-82)	9: MW-392 (32-33.5)
Sample Date & Time			05-Oct-22 14:05	06-Oct-22 15:00	08-Oct-22 18:00	26-Sep-22 16:00	27-Sep-22 09:00
Ag [µg/g]	31-Jan-23	09:48	0.09	< 0.05	< 0.05	< 0.05	0.07
Al [µg/g]	31-Jan-23	09:48	44000	63000	71000	27000	45000
As [µg/g]	31-Jan-23	09:48	5.8	2.3	9.8	10	8.6
Ba [µg/g]	31-Jan-23	09:48	390	150	140	56	320
Be [µg/g]	31-Jan-23	09:48	0.65	1.4	1.5	0.68	0.87
B [µg/g]	31-Jan-23	09:48	13	60	62	26	21
Bi [µg/g]	31-Jan-23	09:48	0.25	0.26	0.18	0.14	0.25
Ca [µg/g]	31-Jan-23	09:48	2500	150	120	20000	1400
Cd [µg/g]	31-Jan-23	09:48	0.06	< 0.05	< 0.05	0.11	0.08
Co [µg/g]	31-Jan-23	09:48	3.3	7.2	6.4	2.0	6.4
Cr [µg/g]	31-Jan-23	09:48	34	69	75	37	40
Cu [µg/g]	31-Jan-23	09:48	10	9.9	5.7	7.2	15
Fe [µg/g]	31-Jan-23	09:48	22000	42000	22000	14000	28000
K [µg/g]	31-Jan-23	09:48	11000	18000	16000	5100	13000
Li [µg/g]	31-Jan-23	09:48	18	9	65	7	20
Mg [µg/g]	31-Jan-23	09:48	2700	7800	7600	4100	3300
Mn [µg/g]	31-Jan-23	09:48	110	70	51	50	130
Mo [µg/g]	31-Jan-23	09:48	0.9	0.3	0.1	0.1	0.9
Na [µg/g]	31-Jan-23	09:48	6700	560	830	550	5200
Ni [µg/g]	31-Jan-23	09:48	14	32	29	13	21
Pb [µg/g]	31-Jan-23	09:48	10	8.0	7.0	17	12
P [µg/g]	31-Jan-23	09:48	260	240	160	7200	300
Sb [µg/g]	31-Jan-23	09:48	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	31-Jan-23	09:48	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Si [µg/g]	31-Jan-23	09:48	160000	66000	51000	73000	65000
Sn [µg/g]	31-Jan-23	09:48	5.4	5.8	5.8	4.9	5.2
Sr [µg/g]	31-Jan-23	09:48	89	30	25	130	79
Ti [µg/g]	31-Jan-23	09:48	2400	670	570	520	980
Tl [µg/g]	31-Jan-23	09:48	0.47	0.42	0.42	0.17	0.51
U [µg/g]	31-Jan-23	09:48	1.3	0.30	0.99	2.7	1.1
V [µg/g]	31-Jan-23	09:48	54	73	86	95	57
Zn [µg/g]	31-Jan-23	09:48	37	47	32	43	53

OnLine LIMS

0003246014

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA19223-NOV22**

Analysis	10: MW-393 (24-25.5)	11: MW-394 (20.5-22)	12: MW-392 (66-68)
Sample Date & Time	04-Oct-22 16:00	25-Sep-22 16:00	26-Sep-22 12:00
Ag [µg/g]	< 0.05	< 0.05	< 0.05
Al [µg/g]	33000	45000	59000
As [µg/g]	10	9.8	0.9
Ba [µg/g]	300	410	93
Be [µg/g]	0.56	0.83	1.2
B [µg/g]	15	16	53
Bi [µg/g]	0.18	0.27	0.20
Ca [µg/g]	1700	3000	170
Cd [µg/g]	< 0.05	0.11	< 0.05
Co [µg/g]	3.2	5.0	6.4
Cr [µg/g]	24	35	71
Cu [µg/g]	9.9	13	12
Fe [µg/g]	19000	27000	43000
K [µg/g]	12000	14000	17000
Li [µg/g]	13	16	19
Mg [µg/g]	2200	3400	9500
Mn [µg/g]	80	140	47
Mo [µg/g]	0.7	2.7	0.2
Na [µg/g]	5100	7700	490
Ni [µg/g]	13	18	31
Pb [µg/g]	9.1	13	4.1
P [µg/g]	230	460	170
Sb [µg/g]	< 0.8	< 0.8	< 0.8
Se [µg/g]	< 0.7	< 0.7	< 0.7
Si [µg/g]	61000	43000	62000
Sn [µg/g]	4.6	5.2	5.6
Sr [µg/g]	70	110	22
Ti [µg/g]	780	1100	560
Tl [µg/g]	0.35	0.50	0.36
U [µg/g]	0.61	1.1	0.097
V [µg/g]	35	57	70
Zn [µg/g]	37	54	48

Fraction 6 Residual metals

Catharine Arnold

CHARTERED CHEMICAL PROFESSION OF ONTARIO CATHARINE ARNOLD CHEMIST

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

0003246014

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

ATTACHMENT 11
CCR Solids Total Metals Laboratory Analytical Report

October 10, 2022

Andrew Hardwick
Ramboll
300 S. Wacker Drive
Suite 130
Chicago, IL 60606
TEL: (217) 494-2978
FAX: (414) 837-3608

Illinois	100226
Kansas	E-10374
Louisiana	05002
Louisiana	05003
Oklahoma	9978

RE: Baldwin **WorkOrder:** 22091779

Dear Andrew Hardwick:

TEKLAB, INC received 23 samples on 9/28/2022 6:00:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. Unless otherwise documented within this report, Teklab Inc. analyzes samples utilizing the most current methods in compliance with 40CFR. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Elizabeth A. Hurley
Director of Customer Service
(618)344-1004 ex 33
ehurley@teklabinc.com

Report Contents

http://www.teklabinc.com/

Client: Ramboll
Client Project: Baldwin

Work Order: 22091779
Report Date: 10-Oct-22

This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	5
Accreditations	6
Laboratory Results	7
Sample Summary	30
Dates Report	31
Quality Control Results	35
Receiving Check List	46
Chain of Custody	Appended

Client: Ramboll **Work Order:** 22091779

Client Project: Baldwin **Report Date:** 10-Oct-22

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)

Client: Ramboll **Work Order:** 22091779

Client Project: Baldwin **Report Date:** 10-Oct-22

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

http://www.teklabinc.com/

Client: Ramboll
Client Project: Baldwin

Work Order: 22091779
Report Date: 10-Oct-22

Cooler Receipt Temp: 4.4 °C

Locations

Collinsville

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425
Phone (618) 344-1004
Fax (618) 344-1005
Email jhriley@teklabinc.com

Springfield

Address 3920 Pintail Dr
Springfield, IL 62711-9415
Phone (217) 698-1004
Fax (217) 698-1005
Email KKlostermann@teklabinc.com

Kansas City

Address 8421 Nieman Road
Lenexa, KS 66214
Phone (913) 541-1998
Fax (913) 541-1998
Email jhriley@teklabinc.com

Collinsville Air

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425
Phone (618) 344-1004
Fax (618) 344-1005
Email EHurley@teklabinc.com

Chicago

Address 1319 Butterfield Rd.
Downers Grove, IL 60515
Phone (630) 324-6855
Fax
Email arenner@teklabinc.com

Client: Ramboll **Work Order:** 22091779

Client Project: Baldwin **Report Date:** 10-Oct-22

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2023	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2023	Collinsville
Louisiana	LDEQ	05002	NELAP	6/30/2023	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2023	Collinsville
Oklahoma	ODEQ	9978	NELAP	8/31/2023	Collinsville
Arkansas	ADEQ	88-0966		3/14/2023	Collinsville
Illinois	IDPH	17584		5/31/2023	Collinsville
Iowa	IDNR	430		6/1/2024	Collinsville
Kentucky	UST	0073		1/31/2023	Collinsville
Missouri	MDNR	00930		5/31/2023	Collinsville
Missouri	MDNR	930		1/31/2025	Collinsville

Client: Ramboll
Work Order: 22091779
Client Project: Baldwin
Report Date: 10-Oct-22
Lab ID: 22091779-001
Client Sample ID: XPW06 (5-7)
Matrix: SOLID
Collection Date: 09/22/2022 11:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550B, 5035A, ASTM D2974								
Percent Moisture	*	0.1		**7.5**	%	1	09/30/2022 18:20	R318856
SW-846 3050B, 6010B, METALS BY ICP								
Antimony	NELAP	4.7	J	**3.1**	mg/Kg-dry	1	10/05/2022 14:57	182336
Arsenic	NELAP	2.3	J	**1.8**	mg/Kg-dry	1	10/05/2022 16:51	198379
Barium	NELAP	0.45		**115**	mg/Kg-dry	1	10/05/2022 16:51	198379
Beryllium	NELAP	0.05		**0.55**	mg/Kg-dry	1	10/05/2022 16:51	198379
Boron	NELAP	1.82		**30.6**	mg/Kg-dry	1	10/05/2022 16:51	198379
Cadmium	NELAP	0.18		**0.25**	mg/Kg-dry	1	10/05/2022 16:51	198379
Chromium	NELAP	0.45		**14.5**	mg/Kg-dry	1	10/05/2022 16:51	198379
Cobalt	NELAP	0.45		**2.45**	mg/Kg-dry	1	10/05/2022 16:51	198379
Lead	NELAP	1.36		**2.29**	mg/Kg-dry	1	10/05/2022 16:51	198379
Lithium	NELAP	0.45		**3.69**	mg/Kg-dry	1	10/05/2022 16:51	198379
Molybdenum	NELAP	0.91		**3.88**	mg/Kg-dry	1	10/05/2022 16:51	198379
Selenium	NELAP	3.6	J	**1.9**	mg/Kg-dry	1	10/05/2022 16:51	198379
Thallium	NELAP	4.55		**< 4.55**	mg/Kg-dry	1	10/05/2022 16:51	198379
SW-846 7471B								
Mercury	NELAP	0.011		**< 0.011**	mg/Kg-dry	1	10/04/2022 15:45	198345

Client: Ramboll
Work Order: 22091779
Client Project: Baldwin
Report Date: 10-Oct-22
Lab ID: 22091779-002
Client Sample ID: XPW06 (7-9)
Matrix: SOLID
Collection Date: 09/22/2022 11:20

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550B, 5035A, ASTM D2974								
Percent Moisture	*	0.1		**24.1**	%	1	09/30/2022 18:21	R318856
SW-846 3050B, 6010B, METALS BY ICP								
Antimony	NELAP	4.7	J	**3.0**	mg/Kg-dry	1	10/05/2022 14:59	182336
Arsenic	NELAP	2.4	J	**1.8**	mg/Kg-dry	1	10/05/2022 16:52	198379
Barium	NELAP	0.49		**190**	mg/Kg-dry	1	10/05/2022 16:52	198379
Beryllium	NELAP	0.05		**0.60**	mg/Kg-dry	1	10/05/2022 16:52	198379
Boron	NELAP	1.96		**27.8**	mg/Kg-dry	1	10/05/2022 16:52	198379
Cadmium	NELAP	0.20		**0.23**	mg/Kg-dry	1	10/05/2022 16:52	198379
Chromium	NELAP	0.49		**18.3**	mg/Kg-dry	1	10/05/2022 16:52	198379
Cobalt	NELAP	0.49		**2.75**	mg/Kg-dry	1	10/05/2022 16:52	198379
Lead	NELAP	1.47		**2.32**	mg/Kg-dry	1	10/05/2022 16:52	198379
Lithium	NELAP	0.49		**4.11**	mg/Kg-dry	1	10/05/2022 16:52	198379
Molybdenum	NELAP	0.98		**4.06**	mg/Kg-dry	1	10/05/2022 16:52	198379
Selenium	NELAP	3.9	J	**2.1**	mg/Kg-dry	1	10/05/2022 16:52	198379
Thallium	NELAP	4.90		**< 4.90**	mg/Kg-dry	1	10/05/2022 16:52	198379
SW-846 7471B								
Mercury	NELAP	0.013		**0.109**	mg/Kg-dry	1	10/04/2022 15:52	198345

Client: Ramboll **Work Order:** 22091779

Client Project: Baldwin **Report Date:** 10-Oct-22

Lab ID: 22091779-003 **Client Sample ID:** EB-02

Matrix: AQUEOUS **Collection Date:** 09/22/2022 17:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		**< 0.0010**	mg/L	5	10/05/2022 10:59	198257
Arsenic	NELAP	0.0010		**< 0.0010**	mg/L	5	10/05/2022 10:59	198257
Barium	NELAP	0.0010		**< 0.0010**	mg/L	5	10/05/2022 10:59	198257
Beryllium	NELAP	0.0010		**< 0.0010**	mg/L	5	10/05/2022 10:59	198257
Boron	NELAP	0.0250		**< 0.0250**	mg/L	5	10/05/2022 10:59	198257
Cadmium	NELAP	0.0010		**< 0.0010**	mg/L	5	10/05/2022 10:59	198257
Chromium	NELAP	0.0015		**< 0.0015**	mg/L	5	10/06/2022 14:12	198257
Cobalt	NELAP	0.0010		**< 0.0010**	mg/L	5	10/05/2022 10:59	198257
Lead	NELAP	0.0010		**< 0.0010**	mg/L	5	10/05/2022 10:59	198257
Lithium	*	0.0030		**< 0.0030**	mg/L	5	10/05/2022 10:59	198257
Molybdenum	NELAP	0.0015		**< 0.0015**	mg/L	5	10/05/2022 10:59	198257
Selenium	NELAP	0.0010		**< 0.0010**	mg/L	5	10/05/2022 10:59	198257
Thallium	NELAP	0.0020		**< 0.0020**	mg/L	5	10/05/2022 10:59	198257
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	10/05/2022 9:37	198357

Client: Ramboll **Work Order:** 22091779

Client Project: Baldwin **Report Date:** 10-Oct-22

Lab ID: 22091779-004 **Client Sample ID:** XPW01 (8-10)

Matrix: SOLID **Collection Date:** 09/23/2022 14:05

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550B, 5035A, ASTM D2974								
Percent Moisture	*	0.1		**24.3**	%	1	09/30/2022 18:21	R318856
SW-846 3050B, 6010B, METALS BY ICP								
Antimony	NELAP	4.6	J	**2.5**	mg/Kg-dry	1	10/05/2022 15:00	182336
Arsenic	NELAP	2.31		**< 2.31**	mg/Kg-dry	1	10/05/2022 16:54	198379
Barium	NELAP	0.46		**85.4**	mg/Kg-dry	1	10/05/2022 16:54	198379
Beryllium	NELAP	0.05		**0.43**	mg/Kg-dry	1	10/05/2022 16:54	198379
Boron	NELAP	1.85		**20.2**	mg/Kg-dry	1	10/05/2022 16:54	198379
Cadmium	NELAP	0.19	J	**0.10**	mg/Kg-dry	1	10/05/2022 16:54	198379
Chromium	NELAP	0.46		**8.10**	mg/Kg-dry	1	10/05/2022 16:54	198379
Cobalt	NELAP	0.46		**2.14**	mg/Kg-dry	1	10/05/2022 16:54	198379
Lead	NELAP	1.39		**2.06**	mg/Kg-dry	1	10/05/2022 16:54	198379
Lithium	NELAP	0.46		**3.20**	mg/Kg-dry	1	10/05/2022 16:54	198379
Molybdenum	NELAP	0.93		**1.31**	mg/Kg-dry	1	10/05/2022 16:54	198379
Selenium	NELAP	3.70		**< 3.70**	mg/Kg-dry	1	10/05/2022 16:54	198379
Thallium	NELAP	4.63		**< 4.63**	mg/Kg-dry	1	10/05/2022 16:54	198379
SW-846 7471B								
Mercury	NELAP	0.013		**< 0.013**	mg/Kg-dry	1	10/04/2022 15:54	198345

Client: Ramboll **Work Order:** 22091779

Client Project: Baldwin **Report Date:** 10-Oct-22

Lab ID: 22091779-005 **Client Sample ID:** XPW01 (1.3-3.2)

Matrix: SOLID **Collection Date:** 09/23/2022 14:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550B, 5035A, ASTM D2974								
Percent Moisture	*	0.1		**22.5**	%	1	09/30/2022 18:22	R318856
SW-846 3050B, 6010B, METALS BY ICP								
Antimony	NELAP	4.90		**< 4.90**	mg/Kg-dry	1	10/03/2022 18:03	184562
Arsenic	NELAP	2.5	J	**1.0**	mg/Kg-dry	1	10/05/2022 13:03	198356
Barium	NELAP	0.50		**25.5**	mg/Kg-dry	1	10/05/2022 13:03	198356
Beryllium	NELAP	0.05		**0.15**	mg/Kg-dry	1	10/05/2022 13:03	198356
Boron	NELAP	2.00		**2.87**	mg/Kg-dry	1	10/05/2022 13:03	198356
Cadmium	NELAP	0.20	J	**0.05**	mg/Kg-dry	1	10/05/2022 13:03	198356
Chromium	NELAP	0.50	B	**9.99**	mg/Kg-dry	1	10/05/2022 13:03	198356
Cobalt	NELAP	0.50		**1.59**	mg/Kg-dry	1	10/05/2022 13:03	198356
Lead	NELAP	1.50		**3.23**	mg/Kg-dry	1	10/05/2022 13:03	198356
Lithium	NELAP	0.50		**1.52**	mg/Kg-dry	1	10/05/2022 13:03	198356
Molybdenum	NELAP	1.0	J	**0.65**	mg/Kg-dry	1	10/05/2022 13:03	198356
Selenium	NELAP	4.00		**< 4.00**	mg/Kg-dry	1	10/05/2022 13:03	198356
Thallium	NELAP	5.00		**< 5.00**	mg/Kg-dry	1	10/05/2022 13:03	198356
Sample result for Cr exceeds 10 times the method blank contamination. Data is reportable per the TNI Standard.								
SW-846 7471B								
Mercury	NELAP	0.013		**< 0.013**	mg/Kg-dry	1	10/04/2022 15:57	198345

Client: Ramboll **Work Order:** 22091779

Client Project: Baldwin **Report Date:** 10-Oct-22

Lab ID: 22091779-006 **Client Sample ID:** XPW01 (11-12)

Matrix: SOLID **Collection Date:** 09/23/2022 14:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550B, 5035A, ASTM D2974								
Percent Moisture	*	0.1		**8.0**	%	1	09/30/2022 18:22	R318856
SW-846 3050B, 6010B, METALS BY ICP								
Antimony	NELAP	4.55		**< 4.55**	mg/Kg-dry	1	10/03/2022 18:08	184562
Arsenic	NELAP	2.31		**< 2.31**	mg/Kg-dry	1	10/05/2022 13:05	198356
Barium	NELAP	0.46		**6.99**	mg/Kg-dry	1	10/05/2022 13:05	198356
Beryllium	NELAP	0.05		**0.10**	mg/Kg-dry	1	10/05/2022 13:05	198356
Boron	NELAP	1.85		**5.73**	mg/Kg-dry	1	10/05/2022 13:05	198356
Cadmium	NELAP	0.19		**< 0.19**	mg/Kg-dry	1	10/05/2022 13:05	198356
Chromium	NELAP	0.46	B	**5.02**	mg/Kg-dry	1	10/05/2022 13:05	198356
Cobalt	NELAP	0.46		**0.56**	mg/Kg-dry	1	10/05/2022 13:05	198356
Lead	NELAP	1.4	J	**0.78**	mg/Kg-dry	1	10/05/2022 13:05	198356
Lithium	NELAP	0.46		**0.71**	mg/Kg-dry	1	10/05/2022 13:05	198356
Molybdenum	NELAP	0.93		**1.86**	mg/Kg-dry	1	10/05/2022 13:05	198356
Selenium	NELAP	3.7	J	**3.0**	mg/Kg-dry	1	10/05/2022 13:05	198356
Thallium	NELAP	4.63		**< 4.63**	mg/Kg-dry	1	10/05/2022 13:05	198356
Sample result for Cr exceeds 10 times the method blank contamination. Data is reportable per the TNI Standard.								
SW-846 7471B								
Mercury	NELAP	0.010		**< 0.010**	mg/Kg-dry	1	10/04/2022 15:59	198345

Client: Ramboll **Work Order:** 22091779

Client Project: Baldwin **Report Date:** 10-Oct-22

Lab ID: 22091779-007 **Client Sample ID:** EB03

Matrix: AQUEOUS **Collection Date:** 09/23/2022 17:20

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		**< 0.0010**	mg/L	5	10/04/2022 18:21	198257
Arsenic	NELAP	0.0010		**< 0.0010**	mg/L	5	10/04/2022 18:21	198257
Barium	NELAP	0.0010		**< 0.0010**	mg/L	5	10/04/2022 18:21	198257
Beryllium	NELAP	0.0010		**< 0.0010**	mg/L	5	10/04/2022 18:21	198257
Boron	NELAP	0.0250		**< 0.0250**	mg/L	5	10/04/2022 18:21	198257
Cadmium	NELAP	0.0010		**< 0.0010**	mg/L	5	10/04/2022 18:21	198257
Chromium	NELAP	0.0015		**< 0.0015**	mg/L	5	10/04/2022 18:21	198257
Cobalt	NELAP	0.0010		**< 0.0010**	mg/L	5	10/04/2022 18:21	198257
Lead	NELAP	0.0010		**< 0.0010**	mg/L	5	10/04/2022 18:21	198257
Lithium	*	0.0030		**< 0.0030**	mg/L	5	10/04/2022 18:21	198257
Molybdenum	NELAP	0.0015		**< 0.0015**	mg/L	5	10/04/2022 18:21	198257
Selenium	NELAP	0.0010		**< 0.0010**	mg/L	5	10/05/2022 11:43	198257
Thallium	NELAP	0.0020		**< 0.0020**	mg/L	5	10/04/2022 18:21	198257
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	10/05/2022 9:39	198357

Client: Ramboll
Work Order: 22091779
Client Project: Baldwin
Report Date: 10-Oct-22
Lab ID: 22091779-008
Client Sample ID: XPW05 (5-7)
Matrix: SOLID
Collection Date: 09/24/2022 12:15

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550B, 5035A, ASTM D2974								
Percent Moisture	*	0.1		**12.2**	%	1	09/30/2022 18:23	R318856
SW-846 3050B, 6010B, METALS BY ICP								
Antimony	NELAP	4.6	J	**1.9**	mg/Kg-dry	1	10/03/2022 18:22	184562
Arsenic	NELAP	2.4	J	**1.2**	mg/Kg-dry	1	10/05/2022 16:56	198379
Barium	NELAP	0.47		**868**	mg/Kg-dry	1	10/05/2022 16:56	198379
Beryllium	NELAP	0.05		**1.09**	mg/Kg-dry	1	10/05/2022 16:56	198379
Boron	NELAP	1.89		**59.8**	mg/Kg-dry	1	10/05/2022 16:56	198379
Cadmium	NELAP	0.19	J	**0.17**	mg/Kg-dry	1	10/05/2022 16:56	198379
Chromium	NELAP	0.47		**18.5**	mg/Kg-dry	1	10/05/2022 16:56	198379
Cobalt	NELAP	0.47		**6.62**	mg/Kg-dry	1	10/05/2022 16:56	198379
Lead	NELAP	1.42		**1.95**	mg/Kg-dry	1	10/05/2022 16:56	198379
Lithium	NELAP	0.47		**10.9**	mg/Kg-dry	1	10/05/2022 16:56	198379
Molybdenum	NELAP	0.94		**1.64**	mg/Kg-dry	1	10/05/2022 16:56	198379
Selenium	NELAP	3.77		**< 3.77**	mg/Kg-dry	1	10/05/2022 16:56	198379
Thallium	NELAP	4.72		**< 4.72**	mg/Kg-dry	1	10/05/2022 16:56	198379
SW-846 7471B								
Mercury	NELAP	0.011		**< 0.011**	mg/Kg-dry	1	10/04/2022 16:01	198345

Client: Ramboll **Work Order:** 22091779

Client Project: Baldwin **Report Date:** 10-Oct-22

Lab ID: 22091779-009 **Client Sample ID:** XPW05 (12-13)

Matrix: SOLID **Collection Date:** 09/24/2022 12:20

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550B, 5035A, ASTM D2974								
Percent Moisture	*	0.1		**8.4**	%	1	09/30/2022 18:24	R318856
SW-846 3050B, 6010B, METALS BY ICP								
Antimony	NELAP	4.8	J	**1.6**	mg/Kg-dry	1	10/05/2022 15:05	182336
Arsenic	NELAP	2.40		**< 2.40**	mg/Kg-dry	1	10/05/2022 16:57	198379
Barium	NELAP	0.48		**265**	mg/Kg-dry	1	10/05/2022 16:57	198379
Beryllium	NELAP	0.05		**0.48**	mg/Kg-dry	1	10/05/2022 16:57	198379
Boron	NELAP	1.92		**33.1**	mg/Kg-dry	1	10/05/2022 16:57	198379
Cadmium	NELAP	0.19	J	**0.11**	mg/Kg-dry	1	10/05/2022 16:57	198379
Chromium	NELAP	0.48		**8.50**	mg/Kg-dry	1	10/05/2022 16:57	198379
Cobalt	NELAP	0.48		**2.79**	mg/Kg-dry	1	10/05/2022 16:57	198379
Lead	NELAP	1.4	J	**0.88**	mg/Kg-dry	1	10/05/2022 16:57	198379
Lithium	NELAP	0.48		**3.72**	mg/Kg-dry	1	10/05/2022 16:57	198379
Molybdenum	NELAP	0.96		**1.03**	mg/Kg-dry	1	10/05/2022 16:57	198379
Selenium	NELAP	3.85		**< 3.85**	mg/Kg-dry	1	10/05/2022 16:57	198379
Thallium	NELAP	4.81		**< 4.81**	mg/Kg-dry	1	10/05/2022 16:57	198379
SW-846 7471B								
Mercury	NELAP	0.010		**< 0.010**	mg/Kg-dry	1	10/04/2022 16:06	198345

Client: Ramboll **Work Order:** 22091779

Client Project: Baldwin **Report Date:** 10-Oct-22

Lab ID: 22091779-010 **Client Sample ID:** XPW05 (22-24)

Matrix: SOLID **Collection Date:** 09/24/2022 12:25

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550B, 5035A, ASTM D2974								
Percent Moisture	*	0.1		**41.5**	%	1	09/30/2022 18:25	R318856
SW-846 3050B, 6010B, METALS BY ICP								
Antimony	NELAP	4.72		**6.75**	mg/Kg-dry	1	10/05/2022 15:06	182336
Arsenic	NELAP	2.36		**22.8**	mg/Kg-dry	1	10/05/2022 16:59	198379
Barium	NELAP	0.47		**252**	mg/Kg-dry	1	10/05/2022 16:59	198379
Beryllium	NELAP	0.05		**1.99**	mg/Kg-dry	1	10/05/2022 16:59	198379
Boron	NELAP	1.89		**70.5**	mg/Kg-dry	1	10/05/2022 16:59	198379
Cadmium	NELAP	0.19		**2.82**	mg/Kg-dry	1	10/05/2022 16:59	198379
Chromium	NELAP	0.47		**161**	mg/Kg-dry	1	10/05/2022 16:59	198379
Cobalt	NELAP	0.47		**12.7**	mg/Kg-dry	1	10/05/2022 16:59	198379
Lead	NELAP	1.42		**23.7**	mg/Kg-dry	1	10/05/2022 16:59	198379
Lithium	NELAP	0.47		**12.1**	mg/Kg-dry	1	10/05/2022 16:59	198379
Molybdenum	NELAP	0.94		**33.8**	mg/Kg-dry	1	10/05/2022 16:59	198379
Selenium	NELAP	3.77		**140**	mg/Kg-dry	1	10/05/2022 16:59	198379
Thallium	NELAP	4.7	J	**4.4**	mg/Kg-dry	1	10/05/2022 16:59	198379
SW-846 7471B								
Mercury	NELAP	0.016		**0.027**	mg/Kg-dry	1	10/04/2022 16:08	198345

Client: Ramboll
Work Order: 22091779
Client Project: Baldwin
Report Date: 10-Oct-22
Lab ID: 22091779-011
Client Sample ID: XPW05 (26.2-28.2)
Matrix: SOLID
Collection Date: 09/24/2022 12:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550B, 5035A, ASTM D2974								
Percent Moisture	*	0.1		**6.9**	%	1	09/30/2022 18:27	R318856
SW-846 3050B, 6010B, METALS BY ICP								
Antimony	NELAP	5.0	J	**1.5**	mg/Kg-dry	1	10/05/2022 15:08	182336
Arsenic	NELAP	2.4	J	**1.6**	mg/Kg-dry	1	10/05/2022 17:01	198379
Barium	NELAP	0.49		**249**	mg/Kg-dry	1	10/05/2022 17:01	198379
Beryllium	NELAP	0.05		**0.35**	mg/Kg-dry	1	10/05/2022 17:01	198379
Boron	NELAP	1.96		**15.3**	mg/Kg-dry	1	10/05/2022 17:01	198379
Cadmium	NELAP	0.20	J	**0.07**	mg/Kg-dry	1	10/05/2022 17:01	198379
Chromium	NELAP	0.49		**7.49**	mg/Kg-dry	1	10/05/2022 17:01	198379
Cobalt	NELAP	0.49		**1.62**	mg/Kg-dry	1	10/05/2022 17:01	198379
Lead	NELAP	1.5	J	**0.94**	mg/Kg-dry	1	10/05/2022 17:01	198379
Lithium	NELAP	0.49		**4.03**	mg/Kg-dry	1	10/05/2022 17:01	198379
Molybdenum	NELAP	0.98		**1.19**	mg/Kg-dry	1	10/05/2022 17:01	198379
Selenium	NELAP	3.92		**< 3.92**	mg/Kg-dry	1	10/05/2022 17:01	198379
Thallium	NELAP	4.90		**< 4.90**	mg/Kg-dry	1	10/05/2022 17:01	198379
SW-846 7471B								
Mercury	NELAP	0.010		**< 0.010**	mg/Kg-dry	1	10/04/2022 16:10	198345

Client: Ramboll **Work Order:** 22091779

Client Project: Baldwin **Report Date:** 10-Oct-22

Lab ID: 22091779-012 **Client Sample ID:** Dup-01

Matrix: SOLID **Collection Date:** 09/24/2022 12:35

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550B, 5035A, ASTM D2974								
Percent Moisture	*	0.1		**20.8**	%	1	09/30/2022 18:27	R318856
SW-846 3050B, 6010B, METALS BY ICP								
Antimony	NELAP	4.55		**< 4.55**	mg/Kg-dry	1	10/03/2022 18:24	184562
Arsenic	NELAP	2.4	J	**1.1**	mg/Kg-dry	1	10/05/2022 13:09	198356
Barium	NELAP	0.48		**110**	mg/Kg-dry	1	10/05/2022 13:09	198356
Beryllium	NELAP	0.05		**0.29**	mg/Kg-dry	1	10/05/2022 13:09	198356
Boron	NELAP	1.92		**21.4**	mg/Kg-dry	1	10/05/2022 13:09	198356
Cadmium	NELAP	0.19		**0.30**	mg/Kg-dry	1	10/05/2022 13:09	198356
Chromium	NELAP	0.48	B	**9.67**	mg/Kg-dry	1	10/05/2022 13:09	198356
Cobalt	NELAP	0.48		**1.88**	mg/Kg-dry	1	10/05/2022 13:09	198356
Lead	NELAP	1.44		**1.64**	mg/Kg-dry	1	10/05/2022 13:09	198356
Lithium	NELAP	0.48		**2.25**	mg/Kg-dry	1	10/05/2022 13:09	198356
Molybdenum	NELAP	0.96		**2.63**	mg/Kg-dry	1	10/05/2022 13:09	198356
Selenium	NELAP	3.8	J	**2.4**	mg/Kg-dry	1	10/05/2022 13:09	198356
Thallium	NELAP	4.81		**< 4.81**	mg/Kg-dry	1	10/05/2022 13:09	198356
Sample result for Cr exceeds 10 times the method blank contamination. Data is reportable per the TNI Standard.								
SW-846 7471B								
Mercury	NELAP	0.012		**< 0.012**	mg/Kg-dry	1	10/04/2022 16:12	198345

Client: Ramboll **Work Order:** 22091779

Client Project: Baldwin **Report Date:** 10-Oct-22

Lab ID: 22091779-013 **Client Sample ID:** XPW02 (2-3)

Matrix: SOLID **Collection Date:** 09/24/2022 14:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550B, 5035A, ASTM D2974								
Percent Moisture	*	0.1		**19.6**	%	1	09/30/2022 18:27	R318856
SW-846 3050B, 6010B, METALS BY ICP								
Antimony	NELAP	4.8	J	**1.8**	mg/Kg-dry	1	10/03/2022 18:25	184562
Arsenic	NELAP	2.5	J	**1.5**	mg/Kg-dry	1	10/05/2022 13:11	198356
Barium	NELAP	0.50		**430**	mg/Kg-dry	1	10/05/2022 13:11	198356
Beryllium	NELAP	0.05		**0.84**	mg/Kg-dry	1	10/05/2022 13:11	198356
Boron	NELAP	2.00		**38.0**	mg/Kg-dry	1	10/05/2022 13:11	198356
Cadmium	NELAP	0.20	J	**0.15**	mg/Kg-dry	1	10/05/2022 13:11	198356
Chromium	NELAP	0.50	B	**16.6**	mg/Kg-dry	1	10/05/2022 13:11	198356
Cobalt	NELAP	0.50		**3.68**	mg/Kg-dry	1	10/05/2022 13:11	198356
Lead	NELAP	1.50		**1.79**	mg/Kg-dry	1	10/05/2022 13:11	198356
Lithium	NELAP	0.50		**6.72**	mg/Kg-dry	1	10/05/2022 13:11	198356
Molybdenum	NELAP	1.00		**2.34**	mg/Kg-dry	1	10/05/2022 13:11	198356
Selenium	NELAP	4.0	J	**2.0**	mg/Kg-dry	1	10/05/2022 13:11	198356
Thallium	NELAP	5.00		**< 5.00**	mg/Kg-dry	1	10/05/2022 13:11	198356
Sample result for Cr exceeds 10 times the method blank contamination. Data is reportable per the TNI Standard.								
SW-846 7471B								
Mercury	NELAP	0.012		**< 0.012**	mg/Kg-dry	1	10/04/2022 16:15	198345

Client: Ramboll **Work Order:** 22091779

Client Project: Baldwin **Report Date:** 10-Oct-22

Lab ID: 22091779-014 **Client Sample ID:** XPW02 (5-7)

Matrix: SOLID **Collection Date:** 09/24/2022 14:10

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550B, 5035A, ASTM D2974								
Percent Moisture	*	0.1		**10.3**	%	1	09/30/2022 18:27	R318856
SW-846 3050B, 6010B, METALS BY ICP								
Antimony	NELAP	4.6	J	**2.6**	mg/Kg-dry	1	10/03/2022 18:27	184562
Arsenic	NELAP	2.40		**5.33**	mg/Kg-dry	1	10/05/2022 13:20	198356
Barium	NELAP	0.48		**319**	mg/Kg-dry	1	10/05/2022 13:20	198356
Beryllium	NELAP	0.05		**1.40**	mg/Kg-dry	1	10/05/2022 13:20	198356
Boron	NELAP	1.92		**156**	mg/Kg-dry	1	10/05/2022 13:20	198356
Cadmium	NELAP	0.19		**0.50**	mg/Kg-dry	1	10/05/2022 13:20	198356
Chromium	NELAP	0.48	B	**25.8**	mg/Kg-dry	1	10/05/2022 13:20	198356
Cobalt	NELAP	0.48		**4.24**	mg/Kg-dry	1	10/05/2022 13:20	198356
Lead	NELAP	1.44		**5.73**	mg/Kg-dry	1	10/05/2022 13:20	198356
Lithium	NELAP	0.48		**6.44**	mg/Kg-dry	1	10/05/2022 13:20	198356
Molybdenum	NELAP	0.96		**4.66**	mg/Kg-dry	1	10/05/2022 13:20	198356
Selenium	NELAP	3.85		**< 3.85**	mg/Kg-dry	1	10/05/2022 13:20	198356
Thallium	NELAP	4.81		**< 4.81**	mg/Kg-dry	1	10/05/2022 13:20	198356
Sample result for Cr exceeds 10 times the method blank contamination. Data is reportable per the TNI Standard.								
SW-846 7471B								
Mercury	NELAP	0.011		**< 0.011**	mg/Kg-dry	1	10/04/2022 16:21	198345

Client: Ramboll **Work Order:** 22091779

Client Project: Baldwin **Report Date:** 10-Oct-22

Lab ID: 22091779-015 **Client Sample ID:** XPW02 (9-11)

Matrix: SOLID **Collection Date:** 09/24/2022 14:15

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550B, 5035A, ASTM D2974								
Percent Moisture	*	0.1		**10.6**	%	1	09/30/2022 18:27	R318856
SW-846 3050B, 6010B, METALS BY ICP								
Antimony	NELAP	4.7	J	**3.8**	mg/Kg-dry	1	10/05/2022 15:32	182336
Arsenic	NELAP	2.3	J	**1.3**	mg/Kg-dry	1	10/05/2022 17:15	198379
Barium	NELAP	0.46		**57.8**	mg/Kg-dry	1	10/05/2022 17:15	198379
Beryllium	NELAP	0.05		**0.76**	mg/Kg-dry	1	10/05/2022 17:15	198379
Boron	NELAP	1.85		**69.3**	mg/Kg-dry	1	10/05/2022 17:15	198379
Cadmium	NELAP	0.19		**0.28**	mg/Kg-dry	1	10/06/2022 10:48	198379
Chromium	NELAP	0.46		**11.6**	mg/Kg-dry	1	10/05/2022 17:15	198379
Cobalt	NELAP	0.46		**1.97**	mg/Kg-dry	1	10/05/2022 17:15	198379
Lead	NELAP	1.39		**2.10**	mg/Kg-dry	1	10/05/2022 17:15	198379
Lithium	NELAP	0.46		**3.42**	mg/Kg-dry	1	10/06/2022 9:29	198379
Molybdenum	NELAP	0.93		**2.59**	mg/Kg-dry	1	10/05/2022 17:15	198379
Selenium	NELAP	3.70		**< 3.70**	mg/Kg-dry	1	10/05/2022 17:15	198379
Thallium	NELAP	4.63		**< 4.63**	mg/Kg-dry	1	10/05/2022 17:15	198379
SW-846 7471B								
Mercury	NELAP	0.011		**< 0.011**	mg/Kg-dry	1	10/04/2022 16:24	198345

Client: Ramboll **Work Order:** 22091779

Client Project: Baldwin **Report Date:** 10-Oct-22

Lab ID: 22091779-016 **Client Sample ID:** XPW04 (3-5)

Matrix: SOLID **Collection Date:** 09/24/2022 16:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550B, 5035A, ASTM D2974								
Percent Moisture	*	0.1		**7.1**	%	1	09/30/2022 18:28	R318856
SW-846 3050B, 6010B, METALS BY ICP								
Antimony	NELAP	4.6	J	**1.8**	mg/Kg-dry	1	10/03/2022 18:29	184562
Arsenic	NELAP	2.31		**2.69**	mg/Kg-dry	1	10/05/2022 15:30	198356
Barium	NELAP	0.46		**98.7**	mg/Kg-dry	1	10/05/2022 13:22	198356
Beryllium	NELAP	0.05		**1.01**	mg/Kg-dry	1	10/05/2022 13:22	198356
Boron	NELAP	1.85		**76.7**	mg/Kg-dry	1	10/05/2022 13:22	198356
Cadmium	NELAP	0.19		**0.39**	mg/Kg-dry	1	10/05/2022 13:22	198356
Chromium	NELAP	0.46	B	**17.0**	mg/Kg-dry	1	10/05/2022 13:22	198356
Cobalt	NELAP	0.46		**4.12**	mg/Kg-dry	1	10/05/2022 13:22	198356
Lead	NELAP	1.39		**6.29**	mg/Kg-dry	1	10/05/2022 13:22	198356
Lithium	NELAP	0.46		**8.34**	mg/Kg-dry	1	10/05/2022 13:22	198356
Molybdenum	NELAP	0.93		**2.81**	mg/Kg-dry	1	10/05/2022 13:22	198356
Selenium	NELAP	3.70		**< 3.70**	mg/Kg-dry	1	10/05/2022 13:22	198356
Thallium	NELAP	4.6	J	**0.86**	mg/Kg-dry	1	10/05/2022 13:22	198356
Sample result for Cr exceeds 10 times the method blank contamination. Data is reportable per the TNI Standard.								
SW-846 7471B								
Mercury	NELAP	0.011		**< 0.011**	mg/Kg-dry	1	10/04/2022 16:30	198345

Client: Ramboll **Work Order:** 22091779

Client Project: Baldwin **Report Date:** 10-Oct-22

Lab ID: 22091779-017 **Client Sample ID:** XPW04 (8-10)

Matrix: SOLID **Collection Date:** 09/24/2022 16:15

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550B, 5035A, ASTM D2974								
Percent Moisture	*	0.1		**17.5**	%	1	09/30/2022 18:28	R318856
SW-846 3050B, 6010B, METALS BY ICP								
Antimony	NELAP	4.81		**< 4.81**	mg/Kg-dry	1	10/03/2022 18:30	184562
Arsenic	NELAP	2.31		**< 2.31**	mg/Kg-dry	1	10/05/2022 13:24	198356
Barium	NELAP	0.46		**23.9**	mg/Kg-dry	1	10/05/2022 13:24	198356
Beryllium	NELAP	0.05		**0.25**	mg/Kg-dry	1	10/05/2022 13:24	198356
Boron	NELAP	1.85		**6.71**	mg/Kg-dry	1	10/05/2022 13:24	198356
Cadmium	NELAP	0.19	J	**0.05**	mg/Kg-dry	1	10/05/2022 13:24	198356
Chromium	NELAP	0.46	B	**7.01**	mg/Kg-dry	1	10/05/2022 13:24	198356
Cobalt	NELAP	0.46		**1.20**	mg/Kg-dry	1	10/05/2022 13:24	198356
Lead	NELAP	1.39		**< 1.39**	mg/Kg-dry	1	10/05/2022 13:24	198356
Lithium	NELAP	0.46		**2.27**	mg/Kg-dry	1	10/05/2022 13:24	198356
Molybdenum	NELAP	0.93	J	**0.56**	mg/Kg-dry	1	10/05/2022 13:24	198356
Selenium	NELAP	3.70		**< 3.70**	mg/Kg-dry	1	10/05/2022 13:24	198356
Thallium	NELAP	4.63		**< 4.63**	mg/Kg-dry	1	10/05/2022 13:24	198356
Sample result for Cr exceeds 10 times the method blank contamination. Data is reportable per the TNI Standard.								
SW-846 7471B								
Mercury	NELAP	0.011		**< 0.011**	mg/Kg-dry	1	10/04/2022 16:33	198345

Client: Ramboll **Work Order:** 22091779

Client Project: Baldwin **Report Date:** 10-Oct-22

Lab ID: 22091779-018 **Client Sample ID:** XPW04 (14.5-16.5)

Matrix: SOLID **Collection Date:** 09/24/2022 16:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550B, 5035A, ASTM D2974								
Percent Moisture	*	0.1		**19.9**	%	1	09/30/2022 18:28	R318856
SW-846 3050B, 6010B, METALS BY ICP								
Antimony	NELAP	4.90		**< 4.90**	mg/Kg-dry	1	10/03/2022 19:01	184562
Arsenic	NELAP	2.27		**< 2.27**	mg/Kg-dry	1	10/05/2022 13:25	198356
Barium	NELAP	0.45		**5.69**	mg/Kg-dry	1	10/05/2022 13:25	198356
Beryllium	NELAP	0.05		**0.05**	mg/Kg-dry	1	10/05/2022 13:25	198356
Boron	NELAP	1.82		**2.40**	mg/Kg-dry	1	10/05/2022 13:25	198356
Cadmium	NELAP	0.18		**< 0.18**	mg/Kg-dry	1	10/05/2022 13:25	198356
Chromium	NELAP	0.45	B	**1.88**	mg/Kg-dry	1	10/05/2022 13:25	198356
Cobalt	NELAP	0.45		**< 0.45**	mg/Kg-dry	1	10/05/2022 13:25	198356
Lead	NELAP	1.36		**< 1.36**	mg/Kg-dry	1	10/05/2022 13:25	198356
Lithium	NELAP	0.45		**0.46**	mg/Kg-dry	1	10/05/2022 13:25	198356
Molybdenum	NELAP	0.91		**< 0.91**	mg/Kg-dry	1	10/05/2022 13:25	198356
Selenium	NELAP	3.64		**< 3.64**	mg/Kg-dry	1	10/05/2022 13:25	198356
Thallium	NELAP	4.55		**< 4.55**	mg/Kg-dry	1	10/05/2022 13:25	198356
Sample result for Cr exceeds 10 times the method blank contamination. Data is reportable per the TNI Standard.								
SW-846 7471B								
Mercury	NELAP	0.012		**< 0.012**	mg/Kg-dry	1	10/04/2022 16:35	198345

Client: Ramboll **Work Order:** 22091779

Client Project: Baldwin **Report Date:** 10-Oct-22

Lab ID: 22091779-019 **Client Sample ID:** EB-04

Matrix: AQUEOUS **Collection Date:** 09/24/2022 18:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		**< 0.0010**	mg/L	5	10/04/2022 18:27	198257
Arsenic	NELAP	0.0010		**< 0.0010**	mg/L	5	10/04/2022 18:27	198257
Barium	NELAP	0.0010		**< 0.0010**	mg/L	5	10/04/2022 18:27	198257
Beryllium	NELAP	0.0010		**< 0.0010**	mg/L	5	10/04/2022 18:27	198257
Boron	NELAP	0.0250		**< 0.0250**	mg/L	5	10/04/2022 18:27	198257
Cadmium	NELAP	0.0010		**< 0.0010**	mg/L	5	10/04/2022 18:27	198257
Chromium	NELAP	0.0015		**< 0.0015**	mg/L	5	10/04/2022 18:27	198257
Cobalt	NELAP	0.0010		**< 0.0010**	mg/L	5	10/04/2022 18:27	198257
Lead	NELAP	0.0010		**< 0.0010**	mg/L	5	10/04/2022 18:27	198257
Lithium	*	0.0030		**< 0.0030**	mg/L	5	10/04/2022 18:27	198257
Molybdenum	NELAP	0.0015		**< 0.0015**	mg/L	5	10/04/2022 18:27	198257
Selenium	NELAP	0.0010		**< 0.0010**	mg/L	5	10/05/2022 11:49	198257
Thallium	NELAP	0.0020		**< 0.0020**	mg/L	5	10/04/2022 18:27	198257
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	10/05/2022 9:41	198357

Client: Ramboll **Work Order:** 22091779

Client Project: Baldwin **Report Date:** 10-Oct-22

Lab ID: 22091779-020 **Client Sample ID:** MW394 (20.5-22)

Matrix: SOLID **Collection Date:** 09/25/2022 16:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550B, 5035A, ASTM D2974								
Percent Moisture	*	0.1		**8.2**	%	1	09/30/2022 18:29	R318856
SW-846 3050B, 6010B, METALS BY ICP								
Antimony	NELAP	5.0	J	**3.1**	mg/Kg-dry	1	10/05/2022 15:41	182336
Arsenic	NELAP	2.36		**11.3**	mg/Kg-dry	1	10/05/2022 17:13	198379
Barium	NELAP	0.47		**494**	mg/Kg-dry	1	10/05/2022 17:13	198379
Beryllium	NELAP	0.05		**0.65**	mg/Kg-dry	1	10/05/2022 17:13	198379
Boron	NELAP	1.9	J	**1.4**	mg/Kg-dry	1	10/05/2022 17:13	198379
Cadmium	NELAP	0.19		**0.85**	mg/Kg-dry	1	10/05/2022 17:13	198379
Chromium	NELAP	0.47		**19.4**	mg/Kg-dry	1	10/05/2022 17:13	198379
Cobalt	NELAP	0.47		**16.3**	mg/Kg-dry	1	10/05/2022 17:13	198379
Lead	NELAP	1.42		**13.7**	mg/Kg-dry	1	10/05/2022 17:13	198379
Lithium	NELAP	0.47		**5.47**	mg/Kg-dry	1	10/05/2022 17:13	198379
Molybdenum	NELAP	0.94		**7.32**	mg/Kg-dry	1	10/05/2022 17:13	198379
Selenium	NELAP	3.77		**< 3.77**	mg/Kg-dry	1	10/05/2022 17:13	198379
Thallium	NELAP	4.7	J	**1.3**	mg/Kg-dry	1	10/05/2022 17:13	198379
SW-846 7471B								
Mercury	NELAP	0.010	J	**0.008**	mg/Kg-dry	1	10/05/2022 13:59	198346

Client: Ramboll **Work Order:** 22091779

Client Project: Baldwin **Report Date:** 10-Oct-22

Lab ID: 22091779-021 **Client Sample ID:** EB-05

Matrix: AQUEOUS **Collection Date:** 09/25/2022 17:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		**< 0.0010**	mg/L	5	10/04/2022 18:33	198257
Arsenic	NELAP	0.0010		**< 0.0010**	mg/L	5	10/04/2022 18:33	198257
Barium	NELAP	0.0010		**< 0.0010**	mg/L	5	10/04/2022 18:33	198257
Beryllium	NELAP	0.0010		**< 0.0010**	mg/L	5	10/04/2022 18:33	198257
Boron	NELAP	0.0250		**< 0.0250**	mg/L	5	10/04/2022 18:33	198257
Cadmium	NELAP	0.0010		**< 0.0010**	mg/L	5	10/04/2022 18:33	198257
Chromium	NELAP	0.0015		**< 0.0015**	mg/L	5	10/04/2022 18:33	198257
Cobalt	NELAP	0.0010		**< 0.0010**	mg/L	5	10/04/2022 18:33	198257
Lead	NELAP	0.0010		**< 0.0010**	mg/L	5	10/04/2022 18:33	198257
Lithium	*	0.0030		**< 0.0030**	mg/L	5	10/04/2022 18:33	198257
Molybdenum	NELAP	0.0015		**< 0.0015**	mg/L	5	10/04/2022 18:33	198257
Selenium	NELAP	0.0010		**< 0.0010**	mg/L	5	10/05/2022 11:55	198257
Thallium	NELAP	0.0020		**< 0.0020**	mg/L	5	10/04/2022 18:33	198257
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	10/05/2022 9:48	198357

Client: Ramboll **Work Order:** 22091779

Client Project: Baldwin **Report Date:** 10-Oct-22

Lab ID: 22091779-022 **Client Sample ID:** EB-06

Matrix: AQUEOUS **Collection Date:** 09/26/2022 17:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		**< 0.0010**	mg/L	5	10/04/2022 18:40	198257
Arsenic	NELAP	0.0010		**< 0.0010**	mg/L	5	10/04/2022 18:40	198257
Barium	NELAP	0.0010		**< 0.0010**	mg/L	5	10/04/2022 18:40	198257
Beryllium	NELAP	0.0010		**< 0.0010**	mg/L	5	10/04/2022 18:40	198257
Boron	NELAP	0.0250		**< 0.0250**	mg/L	5	10/04/2022 18:40	198257
Cadmium	NELAP	0.0010		**< 0.0010**	mg/L	5	10/04/2022 18:40	198257
Chromium	NELAP	0.0015	J	**0.0008**	mg/L	5	10/04/2022 18:40	198257
Cobalt	NELAP	0.0010		**< 0.0010**	mg/L	5	10/04/2022 18:40	198257
Lead	NELAP	0.0010		**< 0.0010**	mg/L	5	10/04/2022 18:40	198257
Lithium	*	0.0030		**< 0.0030**	mg/L	5	10/04/2022 18:40	198257
Molybdenum	NELAP	0.0015		**< 0.0015**	mg/L	5	10/04/2022 18:40	198257
Selenium	NELAP	0.0010		**< 0.0010**	mg/L	5	10/05/2022 12:01	198257
Thallium	NELAP	0.0020		**< 0.0020**	mg/L	5	10/04/2022 18:40	198257
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	10/05/2022 9:50	198357

Client: Ramboll **Work Order:** 22091779

Client Project: Baldwin **Report Date:** 10-Oct-22

Lab ID: 22091779-023 **Client Sample ID:** EB-07

Matrix: AQUEOUS **Collection Date:** 09/28/2022 17:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010	S	**< 0.0010**	mg/L	5	10/04/2022 18:46	198258
Arsenic	NELAP	0.0010	S	**< 0.0010**	mg/L	5	10/04/2022 18:46	198258
Barium	NELAP	0.0010	B	**< 0.0010**	mg/L	5	10/05/2022 12:26	198258
Beryllium	NELAP	0.0010		**< 0.0010**	mg/L	5	10/04/2022 18:46	198258
Boron	NELAP	0.0250		**< 0.0250**	mg/L	5	10/04/2022 18:46	198258
Cadmium	NELAP	0.0010		**< 0.0010**	mg/L	5	10/04/2022 18:46	198258
Chromium	NELAP	0.0015		**< 0.0015**	mg/L	5	10/04/2022 18:46	198258
Cobalt	NELAP	0.0010	S	**< 0.0010**	mg/L	5	10/04/2022 18:46	198258
Lead	NELAP	0.0010		**< 0.0010**	mg/L	5	10/04/2022 18:46	198258
Lithium	*	0.0030		**< 0.0030**	mg/L	5	10/04/2022 18:46	198258
Molybdenum	NELAP	0.0015	S	**< 0.0015**	mg/L	5	10/04/2022 18:46	198258
Selenium	NELAP	0.0010		**< 0.0010**	mg/L	5	10/05/2022 12:26	198258
Thallium	NELAP	0.0020		**< 0.0020**	mg/L	5	10/04/2022 18:46	198258

Contamination present in the MBLK for for Ba. Sample results below the reporting limit are reportable per the TNI Standard.

Matrix spike recovered outside upper control limits for Sb, As, Co, and Mo. Sample results are below the reporting limit. Data is reportable.

SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	10/05/2022 9:53	198357

Client: Ramboll
Client Project: Baldwin

Work Order: 22091779
Report Date: 10-Oct-22

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
22091779-001	XPW06 (5-7)	Solid	1	09/22/2022 11:50
22091779-002	XPW06 (7-9)	Solid	1	09/22/2022 11:20
22091779-003	EB-02	Aqueous	1	09/22/2022 17:30
22091779-004	XPW01 (8-10)	Solid	1	09/23/2022 14:05
22091779-005	XPW01 (1.3-3.2)	Solid	1	09/23/2022 14:00
22091779-006	XPW01 (11-12)	Solid	1	09/23/2022 14:30
22091779-007	EB03	Aqueous	1	09/23/2022 17:20
22091779-008	XPW05 (5-7)	Solid	1	09/24/2022 12:15
22091779-009	XPW05 (12-13)	Solid	1	09/24/2022 12:20
22091779-010	XPW05 (22-24)	Solid	1	09/24/2022 12:25
22091779-011	XPW05 (26.2-28.2)	Solid	1	09/24/2022 12:30
22091779-012	Dup-01	Solid	1	09/24/2022 12:35
22091779-013	XPW02 (2-3)	Solid	1	09/24/2022 14:00
22091779-014	XPW02 (5-7)	Solid	1	09/24/2022 14:10
22091779-015	XPW02 (9-11)	Solid	1	09/24/2022 14:15
22091779-016	XPW04 (3-5)	Solid	1	09/24/2022 16:00
22091779-017	XPW04 (8-10)	Solid	1	09/24/2022 16:15
22091779-018	XPW04 (14.5-16.5)	Solid	1	09/24/2022 16:30
22091779-019	EB-04	Aqueous	1	09/24/2022 18:00
22091779-020	MW394 (20.5-22)	Solid	2	09/25/2022 16:00
22091779-021	EB-05	Aqueous	1	09/25/2022 17:30
22091779-022	EB-06	Aqueous	1	09/26/2022 17:00
22091779-023	EB-07	Aqueous	1	09/28/2022 17:00

Client: Ramboll **Work Order:** 22091779

Client Project: Baldwin **Report Date:** 10-Oct-22

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
22091779-001A	XPW06 (5-7)	09/22/2022 11:50	09/28/2022 18:00		
	EPA SW846 3550B, 5035A, ASTM D2974				09/30/2022 18:20
	SW-846 3050B, 6010B, Metals by ICP			10/05/2022 6:51	10/05/2022 14:57
	SW-846 3050B, 6010B, Metals by ICP			10/05/2022 6:39	10/05/2022 16:51
	SW-846 7471B			10/04/2022 10:46	10/04/2022 15:45
22091779-002A	XPW06 (7-9)	09/22/2022 11:20	09/28/2022 18:00		
	EPA SW846 3550B, 5035A, ASTM D2974				09/30/2022 18:21
	SW-846 3050B, 6010B, Metals by ICP			10/05/2022 6:51	10/05/2022 14:59
	SW-846 3050B, 6010B, Metals by ICP			10/05/2022 6:39	10/05/2022 16:52
	SW-846 7471B			10/04/2022 10:46	10/04/2022 15:52
22091779-003A	EB-02	09/22/2022 17:30	09/28/2022 18:00		
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/30/2022 17:12	10/04/2022 17:12
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/30/2022 17:12	10/05/2022 10:59
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/30/2022 17:12	10/06/2022 14:12
	SW-846 7470A (Total)			10/04/2022 14:19	10/05/2022 9:37
22091779-004A	XPW01 (8-10)	09/23/2022 14:05	09/28/2022 18:00		
	EPA SW846 3550B, 5035A, ASTM D2974				09/30/2022 18:21
	SW-846 3050B, 6010B, Metals by ICP			10/05/2022 6:51	10/05/2022 15:00
	SW-846 3050B, 6010B, Metals by ICP			10/05/2022 6:39	10/05/2022 16:54
	SW-846 7471B			10/04/2022 10:46	10/04/2022 15:54
22091779-005A	XPW01 (1.3-3.2)	09/23/2022 14:00	09/28/2022 18:00		
	EPA SW846 3550B, 5035A, ASTM D2974				09/30/2022 18:22
	SW-846 3050B, 6010B, Metals by ICP			09/30/2022 8:50	10/03/2022 18:03
	SW-846 3050B, 6010B, Metals by ICP			10/04/2022 14:10	10/05/2022 13:03
	SW-846 7471B			10/04/2022 10:46	10/04/2022 15:57
22091779-006A	XPW01 (11-12)	09/23/2022 14:30	09/28/2022 18:00		
	EPA SW846 3550B, 5035A, ASTM D2974				09/30/2022 18:22
	SW-846 3050B, 6010B, Metals by ICP			09/30/2022 8:50	10/03/2022 18:08
	SW-846 3050B, 6010B, Metals by ICP			10/04/2022 14:10	10/05/2022 13:05
	SW-846 7471B			10/04/2022 10:46	10/04/2022 15:59
22091779-007A	EB03	09/23/2022 17:20	09/28/2022 18:00		
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/30/2022 17:12	10/04/2022 18:21
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/30/2022 17:12	10/05/2022 11:43
	SW-846 7470A (Total)			10/04/2022 14:19	10/05/2022 9:39
22091779-008A	XPW05 (5-7)	09/24/2022 12:15	09/28/2022 18:00		
	EPA SW846 3550B, 5035A, ASTM D2974				09/30/2022 18:23
	SW-846 3050B, 6010B, Metals by ICP			09/30/2022 8:50	10/03/2022 18:22

Client: Ramboll **Work Order:** 22091779

Client Project: Baldwin **Report Date:** 10-Oct-22

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
	SW-846 3050B, 6010B, Metals by ICP			10/05/2022 6:39	10/05/2022 16:56
	SW-846 7471B			10/04/2022 10:46	10/04/2022 16:01
22091779-009A	XPW05 (12-13)	09/24/2022 12:20	09/28/2022 18:00		
	EPA SW846 3550B, 5035A, ASTM D2974				09/30/2022 18:24
	SW-846 3050B, 6010B, Metals by ICP			10/05/2022 6:51	10/05/2022 15:05
	SW-846 3050B, 6010B, Metals by ICP			10/05/2022 6:39	10/05/2022 16:57
	SW-846 7471B			10/04/2022 10:46	10/04/2022 16:06
22091779-010A	XPW05 (22-24)	09/24/2022 12:25	09/28/2022 18:00		
	EPA SW846 3550B, 5035A, ASTM D2974				09/30/2022 18:25
	SW-846 3050B, 6010B, Metals by ICP			10/05/2022 6:51	10/05/2022 15:06
	SW-846 3050B, 6010B, Metals by ICP			10/05/2022 6:39	10/05/2022 16:59
	SW-846 7471B			10/04/2022 10:46	10/04/2022 16:08
22091779-011A	XPW05 (26.2-28.2)	09/24/2022 12:30	09/28/2022 18:00		
	EPA SW846 3550B, 5035A, ASTM D2974				09/30/2022 18:27
	SW-846 3050B, 6010B, Metals by ICP			10/05/2022 6:51	10/05/2022 15:08
	SW-846 3050B, 6010B, Metals by ICP			10/05/2022 6:39	10/05/2022 17:01
	SW-846 7471B			10/04/2022 10:46	10/04/2022 16:10
22091779-012A	Dup-01	09/24/2022 12:35	09/28/2022 18:00		
	EPA SW846 3550B, 5035A, ASTM D2974				09/30/2022 18:27
	SW-846 3050B, 6010B, Metals by ICP			09/30/2022 8:50	10/03/2022 18:24
	SW-846 3050B, 6010B, Metals by ICP			10/04/2022 14:10	10/05/2022 13:09
	SW-846 7471B			10/04/2022 10:46	10/04/2022 16:12
22091779-013A	XPW02 (2-3)	09/24/2022 14:00	09/28/2022 18:00		
	EPA SW846 3550B, 5035A, ASTM D2974				09/30/2022 18:27
	SW-846 3050B, 6010B, Metals by ICP			09/30/2022 8:50	10/03/2022 18:25
	SW-846 3050B, 6010B, Metals by ICP			10/04/2022 14:10	10/05/2022 13:11
	SW-846 7471B			10/04/2022 10:46	10/04/2022 16:15
22091779-014A	XPW02 (5-7)	09/24/2022 14:10	09/28/2022 18:00		
	EPA SW846 3550B, 5035A, ASTM D2974				09/30/2022 18:27
	SW-846 3050B, 6010B, Metals by ICP			09/30/2022 8:50	10/03/2022 18:27
	SW-846 3050B, 6010B, Metals by ICP			10/04/2022 14:10	10/05/2022 13:20
	SW-846 7471B			10/04/2022 10:46	10/04/2022 16:21
22091779-015A	XPW02 (9-11)	09/24/2022 14:15	09/28/2022 18:00		
	EPA SW846 3550B, 5035A, ASTM D2974				09/30/2022 18:27
	SW-846 3050B, 6010B, Metals by ICP			10/05/2022 6:51	10/05/2022 15:32
	SW-846 3050B, 6010B, Metals by ICP			10/05/2022 6:39	10/05/2022 17:15
	SW-846 3050B, 6010B, Metals by ICP			10/05/2022 6:39	10/06/2022 9:29

Client: Ramboll **Work Order:** 22091779

Client Project: Baldwin **Report Date:** 10-Oct-22

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
	SW-846 3050B, 6010B, Metals by ICP			10/05/2022 6:39	10/06/2022 10:48
	SW-846 7471B			10/04/2022 10:46	10/04/2022 16:24
22091779-016A	XPW04 (3-5)	09/24/2022 16:00	09/28/2022 18:00		
	EPA SW846 3550B, 5035A, ASTM D2974				09/30/2022 18:28
	SW-846 3050B, 6010B, Metals by ICP			09/30/2022 8:50	10/03/2022 18:29
	SW-846 3050B, 6010B, Metals by ICP			10/04/2022 14:10	10/05/2022 13:22
	SW-846 3050B, 6010B, Metals by ICP			10/04/2022 14:10	10/05/2022 15:30
	SW-846 7471B			10/04/2022 10:46	10/04/2022 16:30
22091779-017A	XPW04 (8-10)	09/24/2022 16:15	09/28/2022 18:00		
	EPA SW846 3550B, 5035A, ASTM D2974				09/30/2022 18:28
	SW-846 3050B, 6010B, Metals by ICP			09/30/2022 8:50	10/03/2022 18:30
	SW-846 3050B, 6010B, Metals by ICP			10/04/2022 14:10	10/05/2022 13:24
	SW-846 7471B			10/04/2022 10:46	10/04/2022 16:33
22091779-018A	XPW04 (14.5-16.5)	09/24/2022 16:30	09/28/2022 18:00		
	EPA SW846 3550B, 5035A, ASTM D2974				09/30/2022 18:28
	SW-846 3050B, 6010B, Metals by ICP			09/30/2022 8:50	10/03/2022 19:01
	SW-846 3050B, 6010B, Metals by ICP			10/04/2022 14:10	10/05/2022 13:25
	SW-846 7471B			10/04/2022 10:46	10/04/2022 16:35
22091779-019A	EB-04	09/24/2022 18:00	09/28/2022 18:00		
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/30/2022 17:12	10/04/2022 18:27
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/30/2022 17:12	10/05/2022 11:49
	SW-846 7470A (Total)			10/04/2022 14:19	10/05/2022 9:41
22091779-020A	MW394 (20.5-22)	09/25/2022 16:00	09/28/2022 18:00		
	EPA SW846 3550B, 5035A, ASTM D2974				09/30/2022 18:29
	SW-846 3050B, 6010B, Metals by ICP			10/05/2022 6:51	10/05/2022 15:41
	SW-846 3050B, 6010B, Metals by ICP			10/05/2022 6:39	10/05/2022 17:13
	SW-846 7471B			10/05/2022 11:42	10/05/2022 13:59
22091779-021A	EB-05	09/25/2022 17:30	09/28/2022 18:00		
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/30/2022 17:12	10/04/2022 18:33
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/30/2022 17:12	10/05/2022 11:55
	SW-846 7470A (Total)			10/04/2022 14:19	10/05/2022 9:48
22091779-022A	EB-06	09/26/2022 17:00	09/28/2022 18:00		
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/30/2022 17:12	10/04/2022 18:40
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/30/2022 17:12	10/05/2022 12:01
	SW-846 7470A (Total)			10/04/2022 14:19	10/05/2022 9:50
22091779-023A	EB-07	09/28/2022 17:00	09/28/2022 18:00		
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/30/2022 17:16	10/04/2022 18:46

Dates Report

http://www.teklabinc.com/

Client: Ramboll
Client Project: Baldwin

Work Order: 22091779
Report Date: 10-Oct-22

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			**Prep Date/Time**	**Analysis Date/Time**
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/30/2022 17:16	10/05/2022 12:26
	SW-846 7470A (Total)			10/04/2022 14:19	10/05/2022 9:53

Client: Ramboll **Work Order:** 22091779

Client Project: Baldwin **Report Date:** 10-Oct-22

EPA SW846 3550B, 5035A, ASTM D2974

Batch R318856 **SampType:** LCS Units **%**

SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Percent Moisture	*	0.1		**99.0**	99.00	0	100.0	90	110	09/30/2022

Batch R318856 **SampType:** LCSQC Units **%**

SampID: LCSQC

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Percent Moisture	*	0.1		**99.0**	99.00	0	100.0	90	110	09/30/2022

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 198257 **SampType:** MBLK Units **mg/L**

SampID: MBLK-198257

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	10/04/2022
Arsenic		0.0010		**< 0.0010**	0.0004	0	0	-100	100	10/04/2022
Barium		0.0010		**< 0.0010**	0.0007	0	0	-100	100	10/04/2022
Beryllium		0.0010		**< 0.0010**	0.0002	0	0	-100	100	10/04/2022
Boron		0.0250		**< 0.0250**	0.0093	0	0	-100	100	10/04/2022
Cadmium		0.0010		**< 0.0010**	0.0001	0	0	-100	100	10/04/2022
Chromium		0.0015		**< 0.0015**	0.0007	0	0	-100	100	10/04/2022
Cobalt		0.0010		**< 0.0010**	0.0001	0	0	-100	100	10/04/2022
Lead		0.0010		**< 0.0010**	0.0006	0	0	-100	100	10/04/2022
Lithium	*	0.0030		**< 0.0030**	0.0015	0	0	-100	100	10/04/2022
Molybdenum		0.0015		**< 0.0015**	0.0006	0	0	-100	100	10/04/2022
Selenium		0.0010		**< 0.0010**	0.0006	0	0	-100	100	10/05/2022
Thallium		0.0020		**< 0.0020**	0.0010	0	0	-100	100	10/04/2022

Client: Ramboll **Work Order:** 22091779

Client Project: Baldwin **Report Date:** 10-Oct-22

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 198257 **SampType:** LCS Units **mg/L**

SampID: LCS-198257

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		**0.552**	0.5000	0	110.3	80	120	10/04/2022
Arsenic		0.0010		**0.547**	0.5000	0	109.5	80	120	10/04/2022
Barium		0.0010		**2.14**	2.000	0	106.8	80	120	10/04/2022
Beryllium		0.0010		**0.0491**	0.0500	0	98.2	80	120	10/04/2022
Boron		0.0250		**0.513**	0.5000	0	102.6	80	120	10/04/2022
Cadmium		0.0010		**0.0514**	0.0500	0	102.8	80	120	10/04/2022
Chromium		0.0015		**0.206**	0.2000	0	103.2	80	120	10/04/2022
Cobalt		0.0010		**0.527**	0.5000	0	105.5	80	120	10/04/2022
Lead		0.0010		**0.522**	0.5000	0	104.5	80	120	10/04/2022
Lithium	*	0.0030		**0.512**	0.5000	0	102.4	80	120	10/04/2022
Molybdenum		0.0015		**0.549**	0.5000	0	109.8	80	120	10/04/2022
Selenium		0.0010		**0.480**	0.5000	0	96.0	80	120	10/05/2022
Thallium		0.0020		**0.255**	0.2500	0	102.2	80	120	10/04/2022

Batch 198257 **SampType:** MS Units **mg/L**

SampID: 22091779-003AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		**0.466**	0.5000	0	93.2	75	125	10/05/2022
Arsenic		0.0010		**0.485**	0.5000	0	97.0	75	125	10/05/2022
Barium		0.0010		**1.87**	2.000	0	93.3	75	125	10/05/2022
Beryllium		0.0010		**0.0445**	0.0500	0	89.0	75	125	10/05/2022
Boron		0.0250		**0.465**	0.5000	0	93.0	75	125	10/05/2022
Cadmium		0.0010		**0.0445**	0.0500	0	88.9	75	125	10/05/2022
Chromium		0.0015		**0.184**	0.2000	0	91.8	75	125	10/06/2022
Cobalt		0.0010		**0.478**	0.5000	0	95.6	75	125	10/05/2022
Lead		0.0010		**0.489**	0.5000	0	97.8	75	125	10/05/2022
Lithium	*	0.0030		**0.473**	0.5000	0	94.6	75	125	10/05/2022
Molybdenum		0.0015		**0.454**	0.5000	0	90.9	75	125	10/05/2022
Selenium		0.0010		**0.438**	0.5000	0	87.6	75	125	10/05/2022
Thallium		0.0020		**0.208**	0.2500	0	83.2	75	125	10/05/2022

Client: Ramboll **Work Order:** 22091779

Client Project: Baldwin **Report Date:** 10-Oct-22

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 198257 **SampType:** MSD Units **mg/L** RPD Limit: **20**

SampID: 22091779-003AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		0.0010		**0.523**	0.5000	0	104.7	0.4661	11.57	10/05/2022
Arsenic		0.0010		**0.506**	0.5000	0	101.2	0.4852	4.18	10/05/2022
Barium		0.0010		**2.03**	2.000	0	101.5	1.867	8.40	10/05/2022
Beryllium		0.0010		**0.0501**	0.0500	0	100.2	0.04448	11.90	10/05/2022
Boron		0.0250		**0.502**	0.5000	0	100.5	0.4648	7.76	10/05/2022
Cadmium		0.0010		**0.0492**	0.0500	0	98.4	0.04447	10.11	10/05/2022
Chromium		0.0015		**0.192**	0.2000	0	96.0	0.1835	4.52	10/06/2022
Cobalt		0.0010		**0.511**	0.5000	0	102.1	0.4781	6.55	10/05/2022
Lead		0.0010		**0.498**	0.5000	0	99.6	0.4891	1.83	10/05/2022
Lithium	*	0.0030		**0.521**	0.5000	0	104.3	0.4729	9.75	10/05/2022
Molybdenum		0.0015		**0.483**	0.5000	0	96.6	0.4543	6.10	10/05/2022
Selenium		0.0010		**0.467**	0.5000	0	93.4	0.4382	6.39	10/05/2022
Thallium		0.0020		**0.231**	0.2500	0	92.4	0.2081	10.44	10/05/2022

Batch 198258 **SampType:** MBLK Units **mg/L**

SampID: MBLK-198258

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	10/04/2022
Arsenic		0.0010		**< 0.0010**	0.0004	0	0	-100	100	10/04/2022
Barium		0.0010	S	**0.0020**	0.0007	0	292.9	-100	100	10/05/2022
Beryllium		0.0010		**< 0.0010**	0.0002	0	0	-100	100	10/04/2022
Boron		0.0250		**< 0.0250**	0.0093	0	0	-100	100	10/04/2022
Cadmium		0.0010		**< 0.0010**	0.0001	0	0	-100	100	10/04/2022
Chromium		0.0015		**< 0.0015**	0.0007	0	0	-100	100	10/04/2022
Cobalt		0.0010		**< 0.0010**	0.0001	0	0	-100	100	10/04/2022
Lead		0.0010		**< 0.0010**	0.0006	0	0	-100	100	10/04/2022
Lithium	*	0.0030		**< 0.0030**	0.0015	0	0	-100	100	10/04/2022
Molybdenum		0.0015		**< 0.0015**	0.0006	0	0	-100	100	10/04/2022
Selenium		0.0010		**< 0.0010**	0.0006	0	0	-100	100	10/05/2022
Thallium		0.0020		**< 0.0020**	0.0010	0	0	-100	100	10/04/2022

Client: Ramboll **Work Order:** 22091779

Client Project: Baldwin **Report Date:** 10-Oct-22

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 198258 **SampType:** LCS Units **mg/L**

SampID: LCS-198258

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		**0.490**	0.5000	0	98.0	85	115	10/04/2022
Arsenic		0.0010		**0.504**	0.5000	0	100.8	85	115	10/04/2022
Barium		0.0010	B	**1.92**	2.000	0	96.1	85	115	10/05/2022
Beryllium		0.0010		**0.0456**	0.0500	0	91.2	85	115	10/04/2022
Boron		0.0250		**0.472**	0.5000	0	94.5	85	115	10/04/2022
Cadmium		0.0010		**0.0456**	0.0500	0	91.3	85	115	10/04/2022
Chromium		0.0015		**0.194**	0.2000	0	96.8	85	115	10/04/2022
Cobalt		0.0010		**0.536**	0.5000	0	107.3	85	115	10/04/2022
Lead		0.0010		**0.487**	0.5000	0	97.4	85	115	10/04/2022
Lithium	*	0.0030		**0.463**	0.5000	0	92.7	85	115	10/04/2022
Molybdenum		0.0015		**0.492**	0.5000	0	98.4	85	115	10/04/2022
Selenium		0.0010		**0.455**	0.5000	0	90.9	85	115	10/05/2022
Thallium		0.0020		**0.232**	0.2500	0	92.9	85	115	10/04/2022

Batch 198258 **SampType:** MS Units **mg/L**

SampID: 22091779-023AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010	S	**0.658**	0.5000	0	131.7	75	125	10/04/2022
Arsenic		0.0010	S	**0.636**	0.5000	0	127.1	75	125	10/04/2022
Barium		0.0010	B	**1.91**	2.000	0	95.5	75	125	10/05/2022
Beryllium		0.0010		**0.0567**	0.0500	0	113.4	75	125	10/04/2022
Boron		0.0250		**0.559**	0.5000	0	111.9	75	125	10/04/2022
Cadmium		0.0010		**0.0618**	0.0500	0	123.5	75	125	10/04/2022
Chromium		0.0015		**0.247**	0.2000	0	123.4	75	125	10/04/2022
Cobalt		0.0010	S	**0.653**	0.5000	0	130.6	75	125	10/04/2022
Lead		0.0010		**0.620**	0.5000	0	124.0	75	125	10/04/2022
Lithium	*	0.0030		**0.575**	0.5000	0	114.9	75	125	10/04/2022
Molybdenum		0.0015	S	**0.642**	0.5000	0	128.5	75	125	10/04/2022
Selenium		0.0010		**0.445**	0.5000	0	89.0	75	125	10/05/2022
Thallium		0.0020		**0.299**	0.2500	0	119.6	75	125	10/04/2022

Client: Ramboll **Work Order:** 22091779

Client Project: Baldwin **Report Date:** 10-Oct-22

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 198258 **SampType:** MSD Units **mg/L** RPD Limit: **20**

SampID: 22091779-023AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		0.0010		**0.596**	0.5000	0	119.2	0.6585	9.96	10/04/2022
Arsenic		0.0010		**0.591**	0.5000	0	118.2	0.6357	7.26	10/04/2022
Barium		0.0010	B	**1.86**	2.000	0	93.2	1.909	2.36	10/05/2022
Beryllium		0.0010		**0.0534**	0.0500	0	106.7	0.05670	6.07	10/04/2022
Boron		0.0250		**0.527**	0.5000	0	105.4	0.5594	5.95	10/04/2022
Cadmium		0.0010		**0.0581**	0.0500	0	116.3	0.06175	6.03	10/04/2022
Chromium		0.0015		**0.220**	0.2000	0	110.1	0.2469	11.41	10/04/2022
Cobalt		0.0010		**0.604**	0.5000	0	120.7	0.6532	7.89	10/04/2022
Lead		0.0010		**0.569**	0.5000	0	113.9	0.6201	8.53	10/04/2022
Lithium	*	0.0030		**0.549**	0.5000	0	109.8	0.5746	4.54	10/04/2022
Molybdenum		0.0015		**0.573**	0.5000	0	114.5	0.6423	11.45	10/04/2022
Selenium		0.0010		**0.451**	0.5000	0	90.1	0.4452	1.20	10/05/2022
Thallium		0.0020		**0.287**	0.2500	0	114.9	0.2991	4.05	10/04/2022

SW-846 3050B, 6010B, METALS BY ICP

Batch 182336 **SampType:** MBLK Units **mg/Kg-dry**

SampID: MBLK-182336

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		5.00		**< 5.00**	1.230	0	0	-100	100	10/05/2022

Batch 182336 **SampType:** LCS Units **mg/Kg-dry**

SampID: LCS-182336

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		5.00		**102**	100.0	0	102.1	85	115	10/05/2022

Batch 182336 **SampType:** MS Units **mg/Kg-dry**

SampID: 22091779-015AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		4.81		**101**	96.15	3.840	100.9	75	125	10/05/2022

Batch 182336 **SampType:** MSD Units **mg/Kg-dry** RPD Limit: **20**

SampID: 22091779-015AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		4.81		**100**	96.15	3.840	100.4	100.9	0.50	10/05/2022

Client: Ramboll **Work Order:** 22091779

Client Project: Baldwin **Report Date:** 10-Oct-22

SW-846 3050B, 6010B, METALS BY ICP

Batch 184562 **SampType:** MS Units **mg/Kg-dry**

SampID: 22091779-005AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		4.81		**50.0**	48.08	0	104.0	75	125	10/03/2022

Batch 184562 **SampType:** MSD Units **mg/Kg-dry** RPD Limit: **20**

SampID: 22091779-005AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		4.81		**48.5**	48.08	0	100.9	50.00	3.05	10/03/2022

Batch 198356 **SampType:** MBLK Units **mg/Kg-dry**

SampID: MBLK-198356

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		2.50		**< 2.50**	0.9700	0	0	-100	100	10/05/2022
Barium		0.50		**< 0.50**	0.1700	0	0	-100	100	10/05/2022
Beryllium		0.05		**< 0.05**	0.0410	0	0	-100	100	10/05/2022
Boron		2.00		**< 2.00**	0.8600	0	0	-100	100	10/05/2022
Cadmium		0.20		**< 0.20**	0.0500	0	0	-100	100	10/05/2022
Chromium		0.50	S	**1.27**	0.2300	0	552.2	-100	100	10/05/2022
Cobalt		0.50		**< 0.50**	0.1900	0	0	-100	100	10/05/2022
Lead		1.50		**< 1.50**	0.5900	0	0	-100	100	10/05/2022
Lithium		0.50		**< 0.50**	0.1500	0	0	-100	100	10/05/2022
Molybdenum		1.00		**< 1.00**	0.5000	0	0	-100	100	10/05/2022
Selenium		4.00		**< 4.00**	1.680	0	0	-100	100	10/05/2022
Thallium		5.00		**< 5.00**	0.7600	0	0	-100	100	10/05/2022

Client: Ramboll **Work Order:** 22091779

Client Project: Baldwin **Report Date:** 10-Oct-22

SW-846 3050B, 6010B, METALS BY ICP

Batch 198356 **SampType:** LCS Units **mg/Kg-dry**

SampID: LCS-198356

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		2.50		**52.7**	50.00	0	105.5	85	115	10/05/2022
Barium		0.50		**202**	200.0	0	101.0	85	115	10/05/2022
Beryllium		0.05		**5.20**	5.000	0	104.0	85	115	10/05/2022
Boron		2.00		**49.5**	50.00	0	99.0	85	115	10/05/2022
Cadmium		0.20		**4.89**	5.000	0	97.8	85	115	10/05/2022
Chromium		0.50	B	**20.7**	20.00	0	103.4	85	115	10/05/2022
Cobalt		0.50		**51.4**	50.00	0	102.8	85	115	10/05/2022
Lead		1.50		**50.0**	50.00	0	99.9	85	115	10/05/2022
Lithium		0.50		**50.0**	50.00	0	100.0	85	115	10/05/2022
Molybdenum		1.00		**49.3**	50.00	0	98.7	85	115	10/05/2022
Selenium		4.00		**47.7**	50.00	0	95.5	85	115	10/05/2022
Thallium		5.00		**24.9**	25.00	0	99.7	85	115	10/05/2022

Batch 198356 **SampType:** MS Units **mg/Kg-dry**

SampID: 22091779-006AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		2.36		**51.2**	47.17	0	108.6	75	125	10/05/2022
Barium		0.47		**201**	188.7	6.991	102.8	75	125	10/05/2022
Beryllium		0.05		**5.15**	4.717	0.1019	107.0	75	125	10/05/2022
Boron		1.89		**59.6**	47.17	5.731	114.1	75	125	10/05/2022
Cadmium		0.19		**4.89**	4.717	0	103.6	75	125	10/05/2022
Chromium		0.47	B	**25.6**	18.87	5.019	109.3	75	125	10/05/2022
Cobalt		0.47		**49.6**	47.17	0.5648	104.0	75	125	10/05/2022
Lead		1.42		**48.7**	47.17	0.7778	101.5	75	125	10/05/2022
Lithium		0.47		**48.6**	47.17	0.7130	101.6	75	125	10/05/2022
Molybdenum		0.94		**48.5**	47.17	1.861	98.9	75	125	10/05/2022
Selenium		3.77		**49.4**	47.17	2.963	98.4	75	125	10/05/2022
Thallium		4.72		**23.3**	23.58	0	98.9	75	125	10/05/2022

Client: Ramboll **Work Order:** 22091779

Client Project: Baldwin **Report Date:** 10-Oct-22

SW-846 3050B, 6010B, METALS BY ICP

Batch 198356 **SampType:** MSD Units **mg/Kg-dry** RPD Limit: **20**

SampID: 22091779-006AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		2.31		**50.2**	46.30	0	108.4	51.22	2.05	10/05/2022
Barium		0.46		**199**	185.2	6.991	103.7	200.9	0.93	10/05/2022
Beryllium		0.05		**5.06**	4.630	0.1019	107.0	5.151	1.87	10/05/2022
Boron		1.85		**58.4**	46.30	5.731	113.7	59.56	2.04	10/05/2022
Cadmium		0.19		**4.69**	4.630	0	101.4	4.887	4.02	10/05/2022
Chromium		0.46	B	**28.1**	18.52	5.019	124.8	25.64	9.25	10/05/2022
Cobalt		0.46		**48.4**	46.30	0.5648	103.3	49.64	2.59	10/05/2022
Lead		1.39		**48.1**	46.30	0.7778	102.1	48.67	1.27	10/05/2022
Lithium		0.46		**47.4**	46.30	0.7130	100.8	48.64	2.65	10/05/2022
Molybdenum		0.93		**48.3**	46.30	1.861	100.2	48.51	0.50	10/05/2022
Selenium		3.70		**51.5**	46.30	2.963	104.9	49.38	4.23	10/05/2022
Thallium		4.63		**22.6**	23.15	0	97.8	23.33	3.01	10/05/2022

Batch 198379 **SampType:** MBLK Units **mg/Kg-dry**

SampID: MBLK-198379

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		2.50		**< 2.50**	0.9700	0	0	-100	100	10/05/2022
Barium		0.50		**< 0.50**	0.1700	0	0	-100	100	10/05/2022
Beryllium		0.05		**< 0.05**	0.0400	0	0	-100	100	10/05/2022
Boron		2.00		**< 2.00**	0.8600	0	0	-100	100	10/05/2022
Cadmium		0.20		**< 0.20**	0.0500	0	0	-100	100	10/05/2022
Chromium		0.50		**< 0.50**	0.2300	0	0	-100	100	10/05/2022
Cobalt		0.50		**< 0.50**	0.1900	0	0	-100	100	10/05/2022
Lead		1.50		**< 1.50**	0.5900	0	0	-100	100	10/05/2022
Lithium		0.50		**< 0.50**	0.1500	0	0	-100	100	10/05/2022
Molybdenum		1.00		**< 1.00**	0.5000	0	0	-100	100	10/05/2022
Selenium		4.00		**< 4.00**	1.680	0	0	-100	100	10/05/2022
Thallium		5.00		**< 5.00**	0.7600	0	0	-100	100	10/05/2022

Client: Ramboll **Work Order:** 22091779

Client Project: Baldwin **Report Date:** 10-Oct-22

SW-846 3050B, 6010B, METALS BY ICP

Batch 198379 **SampType:** LCS Units **mg/Kg-dry**

SampID: LCS-198379

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		2.50		**111**	100.0	0	111.2	85	115	10/05/2022
Barium		0.50		**414**	400.0	0	103.5	85	115	10/05/2022
Beryllium		0.05		**11.0**	10.00	0	109.9	85	115	10/05/2022
Boron		2.00		**103**	100.0	0	102.8	85	115	10/05/2022
Cadmium		0.20		**10.5**	10.00	0	104.8	85	115	10/05/2022
Chromium		0.50		**42.2**	40.00	0	105.6	85	115	10/05/2022
Cobalt		0.50		**107**	100.0	0	106.9	85	115	10/05/2022
Lead		1.50		**105**	100.0	0	105.0	85	115	10/05/2022
Lithium		0.50		**103**	100.0	0	103.0	85	115	10/05/2022
Molybdenum		1.00		**103**	100.0	0	102.7	85	115	10/05/2022
Selenium		4.00		**101**	100.0	0	101.0	85	115	10/05/2022
Thallium		5.00		**50.7**	50.00	0	101.5	85	115	10/05/2022

Batch 198379 **SampType:** MS Units **mg/Kg-dry**

SampID: 22091779-015AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		2.50		**108**	100.0	1.259	106.5	75	125	10/05/2022
Barium		0.50		**454**	400.0	57.81	99.0	75	125	10/05/2022
Beryllium		0.05		**11.4**	10.00	0.7593	106.7	75	125	10/05/2022
Boron		2.00		**182**	100.0	69.29	113.1	75	125	10/05/2022
Cadmium		0.20		**10.4**	10.00	0.2778	101.6	75	125	10/06/2022
Chromium		0.50		**53.8**	40.00	11.59	105.5	75	125	10/05/2022
Cobalt		0.50		**105**	100.0	1.972	102.9	75	125	10/05/2022
Lead		1.50		**103**	100.0	2.102	101.3	75	125	10/05/2022
Lithium		0.50		**115**	100.0	3.417	111.6	75	125	10/06/2022
Molybdenum		1.00		**102**	100.0	2.593	99.0	75	125	10/05/2022
Selenium		4.00		**98.0**	100.0	0	98.0	75	125	10/05/2022
Thallium		5.00		**49.8**	50.00	0	99.7	75	125	10/05/2022

Client: Ramboll **Work Order:** 22091779

Client Project: Baldwin **Report Date:** 10-Oct-22

SW-846 3050B, 6010B, METALS BY ICP

Batch 198379 **SampType:** MSD Units **mg/Kg-dry** RPD Limit: **20**

SampID: 22091779-015AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		2.36		**97.0**	94.34	1.259	101.5	107.8	10.55	10/05/2022
Barium		0.47		**405**	377.4	57.81	91.9	454.0	11.48	10/05/2022
Beryllium		0.05		**10.2**	9.434	0.7593	100.4	11.43	11.12	10/05/2022
Boron		1.89		**150**	94.34	69.29	86.0	182.4	19.25	10/05/2022
Cadmium		0.19		**9.76**	9.434	0.2778	100.6	10.44	6.69	10/06/2022
Chromium		0.47		**47.2**	37.74	11.59	94.4	53.80	13.03	10/05/2022
Cobalt		0.47		**94.2**	94.34	1.972	97.8	104.8	10.68	10/05/2022
Lead		1.42		**92.9**	94.34	2.102	96.2	103.4	10.70	10/05/2022
Lithium		0.47		**107**	94.34	3.417	109.4	115.0	7.58	10/06/2022
Molybdenum		0.94		**90.6**	94.34	2.593	93.3	101.6	11.38	10/05/2022
Selenium		3.77		**87.8**	94.34	0	93.0	98.05	11.07	10/05/2022
Thallium		4.72		**44.8**	47.17	0	94.9	49.83	10.69	10/05/2022

SW-846 7470A (TOTAL)

Batch 198357 **SampType:** MBLK Units **mg/L**

SampID: MBLK-198357

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	10/05/2022

Batch 198357 **SampType:** LCS Units **mg/L**

SampID: LCS-198357

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00499**	0.0050	0	99.7	85	115	10/05/2022

Batch 198357 **SampType:** MS Units **mg/L**

SampID: 22091779-019AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00482**	0.0050	0	96.5	75	125	10/05/2022

Batch 198357 **SampType:** MSD Units **mg/L** RPD Limit: **15**

SampID: 22091779-019AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00496**	0.0050	0	99.1	0.004825	2.70	10/05/2022

Client: Ramboll **Work Order:** 22091779

Client Project: Baldwin **Report Date:** 10-Oct-22

SW-846 7471B

Batch 198345 **SampType:** MBLK Units **mg/Kg**
SampID: MBLK-198345

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.010		< 0.010	0.0045	0	0	-100	100	10/04/2022

Batch 198345 **SampType:** LCS Units **mg/Kg**
SampID: LCS-198345

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.010		**0.250**	0.2500	0	99.9	85	115	10/04/2022

Batch 198345 **SampType:** MS Units **mg/Kg-dry**
SampID: 22091779-015AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.011		**0.274**	0.2761	0	99.4	75	125	10/04/2022

Batch 198345 **SampType:** MSD Units **mg/Kg-dry** RPD Limit: **15**
SampID: 22091779-015AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.011		**0.271**	0.2761	0	98.0	0.2745	1.45	10/04/2022

Batch 198346 **SampType:** MBLK Units **mg/Kg**
SampID: MBLK-198346

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.010		< 0.010	0.0045	0	0	-100	100	10/05/2022

Batch 198346 **SampType:** LCS Units **mg/Kg**
SampID: LCS-198346

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.010		**0.241**	0.2500	0	96.2	85	115	10/05/2022

Batch 198346 **SampType:** MS Units **mg/Kg-dry**
SampID: 22091779-020AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.010		**0.270**	0.2624	0.007583	100.2	75	125	10/05/2022

Batch 198346 **SampType:** MSD Units **mg/Kg-dry** RPD Limit: **15**
SampID: 22091779-020AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.010		**0.264**	0.2624	0.007583	97.9	0.2704	2.23	10/05/2022

Receiving Check List

http://www.teklabinc.com/

Client: Ramboll
Client Project: Baldwin

Work Order: 22091779
Report Date: 10-Oct-22

Carrier: Evvan Plank

Completed by: Timothy W. Mathis
On: 29-Sep-22

Received By: TWM

Reviewed by: Marvin L. Darling
On: 29-Sep-22

Pages to follow: Chain of custody 3 Extra pages included 0

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C 4.4
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 #83484. - TMathis - 9/29/2022 8:41:22 AM

No samples containers were received for Dup-02. Client was notified via workorder summary. TWM 9/29/22

CHAIN OF CUSTODY

pg. 1 of 3 Work order # 22091779

TEKLAB, INC. 5445 Horseshoe Lake Road - Collinsville, IL 62234 - Phone: (618) 344-1004 - Fax: (618) 344-1005

Client:	Ramboll		
Address:	234 W. Florida St Fifth Floor, Milwaukee, WI 53204		
City / State / Zip	Milwaukee, WI 53204		
Contact:	Andrew Hardwick	**Phone:**	(217) 494-2978
E-Mail:	evan.plank@ramboll.com	**Fax:**	

Samples on: ☒ ICE ☒ BLUE ICE ☒ NO ICE 4.4 °C LTG# C

Preserved in: ☒ LAB ☒ FIELD

FOR LAB USE ONLY

Lab Notes TM ~~8372~~ 83484

* NO SAMPLE RECEIVED FOR DUP-02

Are these samples known to be involved in litigation? If yes, a surcharge will apply ☐ Yes ☐ No

Are these samples known to be hazardous? ☐ Yes ☐ No

Are there any required reporting limits to be met on the requested analysis?. If yes, please provide limits in the comment section. ☐ Yes ☐ No

Client Comments:

Total Metals* = Part 845 List: 9. antimony, arsenic, barium, beryllium, boron, cadmium, chromium, cobalt, lead, lithium, mercury, molybdenum, selenium, and thallium

Project Name/Number: Baldwin

Sample Collector's Name: Evvan Plank

Results Requested: ☐ Standard ☐ 1-2 Day (100% Surcharge) ☐ Other ____ ☐ 3 Day (50% Surcharge)

Billing Instructions:

Lab Use Only	Sample Identification	Date/Time Sampled	# and Type of Containers: UNPRES	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	OTHER	MATRIX: Aqueous	Drinking Water	Soil	Sludge	Special Waste	Groundwater	INDICATE ANALYSIS REQUESTED: CEC	Chloride	Fluoride	Iron Oxide	Manganese Oxide	Ra226/228	Sulfate	TOC	Total Metals*	Total Nitrogen
22091779 001	XPW06 (5-7)	09/22/22 / 11:50	X										X											X		
002	XPW06 (7-9)	/ 11:20	X										X											X		
003	EB-02	/ 17:30	X	X							X													X		
004	XPW01 (8-10)	09/23/22 / 14:05	X										X											X		
005	XPW01 (13-13.2)	/ 14:00	X										X											X		
006	XPW01 (11-12)	/ 14:30	X										X											X		
007	EB03	/ 17:20		X							X													X		
008	XPW05 (5-7)	09/24/22 / 12:15	X										X											X		
009	XPW05 (12-13)	/ 12:20	X										X											X		
010	XPW05 (22-24)	/ 12:25	X										X											X		

Relinquished By	Date/Time	Received By	Date/Time
	09/25/22 / 18:00		9.28.22 18:00

The individual signing this agreement on behalf of the client, acknowledges that he/she has read and understands the terms and conditions of this agreement, and that he/she has the authority to sign on behalf of the client. See www.teklabinc.com for terms and conditions.

BottleOrder: 74894

CHAIN OF CUSTODY

pg. 2 of 3 Work order # 22091779

TEKLAB, INC. 5445 Horseshoe Lake Road - Collinsville, IL 62234 - Phone: (618) 344-1004 - Fax: (618) 344-1005

Client:	Ramboll		
Address:	234 W. Florida St Fifth Floor, Milwaukee, WI 53204		
City / State / Zip	Milwaukee, WI 53204		
Contact:	Andrew Hardwick	**Phone:**	(217) 494-2978
E-Mail:	evan.plank@ramboll.com	**Fax:**	

Samples on: ☒ ICE ☒ BLUE ICE ☒ NO ICE _____ °C LTG# _____

Preserved in: ☒ LAB ☒ FIELD **FOR LAB USE ONLY**

Lab Notes

Client Comments:
Total Metals* = Part 845 List: 9. antimony, arsenic, barium, beryllium, boron, cadmium, chromium, cobalt, lead, lithium, mercury, molybdenum, selenium, and thallium

Are these samples known to be involved in litigation? If yes, a surcharge will apply ☐ Yes ☐ No

Are these samples known to be hazardous? ☐ Yes ☐ No

Are there any required reporting limits to be met on the requested analysis?. If yes, please provide limits in the comment section. ☐ Yes ☐ No

Project Name/Number: Baldwin

Sample Collector's Name: Evan Plank

Results Requested: ☐ Standard ☐ 1-2 Day (100% Surcharge) ☐ Other ____ ☐ 3 Day (50% Surcharge)

Billing Instructions:

Lab Use Only	Sample Identification	Date/Time Sampled	# and Type of Containers: UNPRES	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	OTHER	MATRIX: Aqueous	Drinking Water	Soil	Sludge	Special Waste	Groundwater	CEC	Chloride	Fluoride	Iron Oxide	Manganese Oxide	Ra226/228	Sulfate	TOC	Total Metals*	Total Nitrogen
011	XPW05(26.2-28.2)	09/24/22 / 12:30	X										X												X	
012	Dup-01	/ 12:35	X										X												X	
013	XPW02(2-3)	/ 14:00	X										X												X	
014	XPW02(5-7)	/ 14:10	X										X												X	
015	XPW02(9-11)	/ 14:15	X										X												X	
016	XPW04(3-5)	/ 16:00	X										X												X	
017	XPW04(8-10)	/ 16:15	X										X												X	
018	XPW04(14.5-16.5)	/ 16:30	X										X												X	
~~019~~	Dup-02 *	/ 16:35	X										X												X	
019 ~~020~~	EB-04	/ 18:00		X							X														X	

Relinquished By	Date/Time	Received By	Date/Time
	09/28/22 / 18:00		9.28.22 1800

The individual signing this agreement on behalf of the client, acknowledges that he/she has read and understands the terms and conditions of this agreement, and that he/she has the authority to sign on behalf of the client. See www.teklabinc.com for terms and conditions.

BottleOrder: 74894

CHAIN OF CUSTODY

pg. 3 of 3 Work order # 22091729

TEKLAB, INC. 5445 Horseshoe Lake Road - Collinsville, IL 62234 - Phone: (618) 344-1004 - Fax: (618) 344-1005

Client:	Ramboll
Address:	234 W. Florida St Fifth Floor, Milwaukee, WI 53204
City / State / Zip	Milwaukee, WI 53204
Contact:	Andrew Hardwick **Phone:** (217) 494-2978
E-Mail:	evan.plank@ramboll.com **Fax:**

Samples on: ☒ ICE ☒ BLUE ICE ☒ NO ICE _____ °C LTG# _____

Preserved in: ☒ LAB ☒ FIELD

FOR LAB USE ONLY

Lab Notes

Client Comments:
Total Metals* = Part 845 List: 9. antimony, arsenic, barium, beryllium, boron, cadmium, chromium, cobalt, lead, lithium, mercury, molybdenum, selenium, and thallium

Are these samples known to be involved in litigation? If yes, a surcharge will apply ☐ Yes ☐ No

Are these samples known to be hazardous? ☐ Yes ☐ No

Are there any required reporting limits to be met on the requested analysis?. If yes, please provide limits in the comment section. ☐ Yes ☐ No

Project Name/Number: Baldwin

Sample Collector's Name: Evan Plank

Results Requested: ☐ Standard ☐ 1-2 Day (100% Surcharge) ☐ Other ____ ☐ 3 Day (50% Surcharge)

Billing Instructions:

Lab Use Only	Sample Identification	Date/Time Sampled	# and Type of Containers: UNPRES	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	OTHER	MATRIX: Aqueous	Drinking Water	Soil	Sludge	Special Waste	Groundwater	INDICATE ANALYSIS REQUESTED: CEC	Chloride	Fluoride	Iron Oxide	Manganese Oxide	Ra226/228	Sulfate	TOC	Total Metals*	Total Nitrogen
020	MW394(20.5-22)	09/25/22 16:00	X								X		X												X	
021	EB-05	09/25/22 17:30		X							X														X	
022	EB-06	09/26/22 17:00		X							X														X	
023	EB-07	09/28/22 17:00		X							X														X	
												FIELD			09/28/22											

Relinquished By	Date/Time	Received By	Date/Time
	09/28/22 18:00		9.28.22 18:00

The individual signing this agreement on behalf of the client, acknowledges that he/she has read and understands the terms and conditions of this agreement, and that he/she has the authority to sign on behalf of the client. See www.teklabinc.com for terms and conditions.

BottleOrder: 74894