Prepared for
Kincaid Generation, LLC

Date
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Project No.
1940106781-010

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

ASH POND

KINCAID POWER PLANT

KINCAID, ILLINOIS

CCR UNIT 141

RAMBOLL Bright ideas. Sustainable change.

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

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ACRONYMS AND ABBREVIATIONS

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

EXECUTIVE SUMMARY

This report has been prepared to provide the information required by Title 40 of the Code of Federal Regulations (40 C.F.R.) § 257.90(e) for the Ash Pond (AP) located at the Kincaid Power Plant (KPP) near Kincaid, Illinois.

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

Since no statistically significant levels (SSLs) of 40 C.F.R. § 257 Appendix IV parameters over groundwater protection standards (GWPSs) were determined in 2024, 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 AP remains in the Assessment Monitoring Program.

1. INTRODUCTION

This report has been prepared by Ramboll Americas Engineering Solutions, Inc. (Ramboll) on behalf of Kincaid Generation, LLC, to provide the information required by 40 C.F.R. § 257.90(e) for the AP located at the KPP near Kincaid, 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 AP 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 AP remains in the Assessment Monitoring Program in accordance with 40 C.F.R. § 257.95.

3. KEY ACTIONS COMPLETED IN 2024

A summary of the samples collected from background and compliance monitoring wells in 2024 under the Assessment Monitoring Program is included in **Table A** on the following page. The groundwater monitoring system, including the CCR unit and all background and compliance monitoring wells, is presented in **Figure 1**.

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

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

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

[1] During the March, May, August, and November 2024 sampling events monitoring well MW-8S went dry during purging; therefore, groundwater samples were not collected. In addition, during the November 2024 sampling event monitoring well MW-27 went dry during purging; therefore, a groundwater sample was not collected.

Table A. 2024 Assessment Monitoring Program Summary

Event ID	Sampling Dates [1, 2]	Analytical Data Receipt Date [3]	SSL(s) Determination Date	SSL(s)	ASD Completion Date
A7	March 4 – March 6, 2024[4]	April 4, 2024	July 3, 2024	None	NA
A7R	May 20 - 21, 2024[4]	June 19, 2024	NA	NA	NA
A7D	August 19 - 21, 2024[4]	September 19, 2024	December 18, 2024	None	NA
A7DR	November 18 - 19, 2024[5]	December 27, 2024	NA	NA	NA

Notes:

ASD: Alternative Source Demonstration

NA: not applicable

SSL: Statistically Significant Level

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

[2] The following background wells were sampled for each event: MW-1 and MW-2

[3] 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

[4] The following compliance wells were sampled: MW-3, MW-5, MW-6, MW-7, MW-7S, MW-8, MW-11, MW-12, MW-20, MW 20S, MW-23, MW-27, MW-28, MW 30, MW-31, MW-31S, MW 32, and PZ-4C

[5] The following compliance wells were sampled: MW-3, MW-5, MW-6, MW-7, MW-7S, MW-8, MW-11, MW-12, MW-20, MW 20S, MW-23, MW-28, MW 30, MW-31, MW-31S, MW 32, and PZ-4C

4. PROBLEMS ENCOUNTERED AND ACTIONS TO RESOLVE THE PROBLEMS

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

5. KEY ACTIVITIES PLANNED FOR 2025

The following key activities are planned for 2025:

- Continuation of the Assessment Monitoring Program with semiannual sampling 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. 40 C.F.R. § 257 Groundwater Monitoring Plan, Ash Pond, Kincaid Power Plant, Kincaid, Illinois. December 28, 2022.

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

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

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

Ramboll Americas Engineering Solutions, Inc. (Ramboll), 2023. 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
KINCAID POWER PLANT
ASH POND
KINCAID, IL

Well ID	Well Type	Monitored Unit	Date	Depth to Groundwater (feet BMP)	Groundwater Elevation (feet NAVD88)
MW-1	Background	UA	01/16/2024	16.09	588.79
MW-1	Background	UA	02/04/2024	15.03	589.84
MW-1	Background	UA	03/04/2024	15.89	588.99
MW-1	Background	UA	04/20/2024	15.14	589.73
MW-1	Background	UA	05/20/2024	15.48	589.40
MW-1	Background	UA	06/19/2024	15.61	589.31
MW-1	Background	UA	07/19/2024	15.72	589.20
MW-1	Background	UA	08/19/2024	16.02	588.91
MW-1	Background	UA	09/18/2024	16.22	588.70
MW-1	Background	UA	10/18/2024	16.91	588.01
MW-1	Background	UA	11/18/2024	16.02	588.91
MW-1	Background	UA	12/18/2024	15.95	588.98
MW-2	Background	UA	01/16/2024	6.98	594.29
MW-2	Background	UA	02/04/2024	6.23	595.03
MW-2	Background	UA	03/04/2024	7.37	593.90
MW-2	Background	UA	04/20/2024	7.08	594.18
MW-2	Background	UA	05/20/2024	7.31	593.96
MW-2	Background	UA	06/19/2024	7.45	593.70
MW-2	Background	UA	07/19/2024	7.34	593.80
MW-2	Background	UA	08/19/2024	7.49	593.66
MW-2	Background	UA	09/18/2024	7.71	593.44
MW-2	Background	UA	10/18/2024	7.77	593.38
MW-2	Background	UA	11/18/2024	5.59	595.56
MW-2	Background	UA	12/18/2024	6.95	594.20
MW-3	Compliance	UA	01/16/2024	8.48	593.15
MW-3	Compliance	UA	02/04/2024	8.08	593.54
MW-3	Compliance	UA	03/04/2024	8.63	593.00
MW-3	Compliance	UA	04/20/2024	8.21	593.41
MW-3	Compliance	UA	05/20/2024	8.74	592.89
MW-3	Compliance	UA	06/19/2024	8.83	592.65
MW-3	Compliance	UA	07/19/2024	8.86	592.62
MW-3	Compliance	UA	08/19/2024	8.67	592.82
MW-3	Compliance	UA	09/18/2024	8.69	592.79
MW-3	Compliance	UA	10/18/2024	8.74	592.73
MW-3	Compliance	UA	11/18/2024	8.14	593.35
MW-3	Compliance	UA	12/18/2024	8.52	592.97
MW-5	Compliance	UA	01/16/2024	26.05	593.56
MW-5	Compliance	UA	02/04/2024	25.49	594.11
MW-5	Compliance	UA	03/04/2024	26.00	593.61
MW-5	Compliance	UA	04/20/2024	26.00	593.60
MW-5	Compliance	UA	05/20/2024	26.46	593.15
MW-5	Compliance	UA	06/19/2024	27.17	592.34
MW-5	Compliance	UA	07/19/2024	27.45	592.06
MW-5	Compliance	UA	08/19/2024	27.95	591.57
MW-5	Compliance	UA	09/18/2024	28.91	590.60
MW-5	Compliance	UA	10/18/2024	29.23	590.28

TABLE 1
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ASH POND
KINCAID, IL

Well ID	Well Type	Monitored Unit	Date	Depth to Groundwater (feet BMP)	Groundwater Elevation (feet NAVD88)
MW-5	Compliance	UA	11/18/2024	27.30	592.22
MW-5	Compliance	UA	12/18/2024	25.77	593.75
MW-6	Compliance	UA	01/16/2024	9.62	591.01
MW-6	Compliance	UA	02/04/2024	7.22	593.40
MW-6	Compliance	UA	03/04/2024	9.46	591.17
MW-6	Compliance	UA	04/20/2024	8.31	592.31
MW-6	Compliance	UA	05/20/2024	9.03	591.60
MW-6	Compliance	UA	06/19/2024	8.54	591.87
MW-6	Compliance	UA	07/19/2024	DM[7]	
MW-6	Compliance	UA	08/19/2024	11.50	588.91
MW-6	Compliance	UA	09/18/2024	DM[7]	
MW-6	Compliance	UA	10/18/2024	DM[7]	
MW-6	Compliance	UA	11/18/2024	10.18	590.23
MW-6	Compliance	UA	12/18/2024	9.98	590.43
MW-7	Compliance	UA	01/16/2024	8.94	588.98
MW-7	Compliance	UA	02/04/2024	8.44	589.47
MW-7	Compliance	UA	03/04/2024	9.23	588.69
MW-7	Compliance	UA	04/20/2024	9.19	588.72
MW-7	Compliance	UA	05/20/2024	9.59	588.33
MW-7	Compliance	UA	06/19/2024	10.09	587.58
MW-7	Compliance	UA	07/19/2024	9.73	587.94
MW-7	Compliance	UA	08/19/2024	10.09	587.59
MW-7	Compliance	UA	09/18/2024	10.19	587.48
MW-7	Compliance	UA	10/18/2024	9.80	587.87
MW-7	Compliance	UA	11/18/2024	2.39	595.29
MW-7	Compliance	UA	12/18/2024	8.29	589.39
MW-7S	Compliance	USCU	01/16/2024	DM[1]	
MW-7S	Compliance	USCU	02/04/2024	DM[1]	
MW-7S	Compliance	USCU	03/04/2024	DM[4]	
MW-7S	Compliance	USCU	04/20/2024	10.06	587.48
MW-7S	Compliance	USCU	05/20/2024	10.48	587.33
MW-7S	Compliance	USCU	06/19/2024	10.07	587.47
MW-7S	Compliance	USCU	07/19/2024	10.07	587.47
MW-7S	Compliance	USCU	08/19/2024	10.46	587.09
MW-7S	Compliance	USCU	09/18/2024	10.04	587.51
MW-7S	Compliance	USCU	10/18/2024	10.06	587.48
MW-7S	Compliance	USCU	11/18/2024	10.39	587.16
MW-7S	Compliance	USCU	12/18/2024	10.52	587.03
MW-8	Compliance	UA	01/16/2024	8.38	594.93
MW-8	Compliance	UA	02/04/2024	7.66	595.64
MW-8	Compliance	UA	03/04/2024	9.40	593.91
MW-8	Compliance	UA	04/20/2024	8.95	594.35
MW-8	Compliance	UA	05/20/2024	9.57	593.74
MW-8	Compliance	UA	06/19/2024	9.50	593.71
MW-8	Compliance	UA	07/19/2024	8.78	594.44
MW-8	Compliance	UA	08/19/2024	9.24	593.98

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MW-8	Compliance	UA	09/18/2024	9.64	593.57
MW-8	Compliance	UA	10/18/2024	9.77	593.44
MW-8	Compliance	UA	11/18/2024	6.53	596.69
MW-8	Compliance	UA	12/18/2024	7.72	595.50
MW-8S	Compliance	USCU	01/16/2024	DM[1]	
MW-8S	Compliance	USCU	02/04/2024	DM[1]	
MW-8S	Compliance	USCU	03/04/2024	DM[4]	
MW-8S	Compliance	USCU	04/20/2024	9.29	594.11
MW-8S	Compliance	USCU	05/20/2024	9.76	593.71
MW-8S	Compliance	USCU	06/19/2024	9.90	593.51
MW-8S	Compliance	USCU	07/19/2024	9.21	594.20
MW-8S	Compliance	USCU	08/19/2024	9.43	593.98
MW-8S	Compliance	USCU	09/18/2024	9.91	593.49
MW-8S	Compliance	USCU	10/18/2024	9.93	593.47
MW-8S	Compliance	USCU	11/18/2024	9.76	593.65
MW-8S	Compliance	USCU	12/18/2024	7.79	595.62
MW-11	Compliance	UA	01/16/2024	11.78	590.20
MW-11	Compliance	UA	02/04/2024	11.73	590.24
MW-11	Compliance	UA	03/04/2024	11.84	590.14
MW-11	Compliance	UA	04/20/2024	11.75	590.22
MW-11	Compliance	UA	05/20/2024	11.89	590.09
MW-11	Compliance	UA	06/19/2024	11.78	590.13
MW-11	Compliance	UA	07/19/2024	11.69	590.21
MW-11	Compliance	UA	08/19/2024	11.88	590.04
MW-11	Compliance	UA	09/18/2024	12.26	589.65
MW-11	Compliance	UA	10/18/2024	12.20	589.71
MW-11	Compliance	UA	11/18/2024	9.78	592.14
MW-11	Compliance	UA	12/18/2024	11.71	590.21
MW-12	Compliance	UA	01/16/2024	8.00	583.57
MW-12	Compliance	UA	02/04/2024	6.25	585.31
MW-12	Compliance	UA	03/04/2024	6.61	584.96
MW-12	Compliance	UA	04/20/2024	6.21	585.35
MW-12	Compliance	UA	05/20/2024	6.52	585.05
MW-12	Compliance	UA	06/19/2024	6.41	585.07
MW-12	Compliance	UA	07/19/2024	6.66	584.82
MW-12	Compliance	UA	08/19/2024	7.14	584.34
MW-12	Compliance	UA	09/18/2024	7.94	583.53
MW-12	Compliance	UA	10/18/2024	DM[7]	
MW-12	Compliance	UA	11/18/2024	6.90	584.58
MW-12	Compliance	UA	12/18/2024	7.20	584.28
MW-20	Compliance	UA	01/16/2024	5.98	594.96
MW-20	Compliance	UA	02/04/2024	5.62	595.31
MW-20	Compliance	UA	03/04/2024	6.27	594.67
MW-20	Compliance	UA	04/20/2024	5.91	595.02
MW-20	Compliance	UA	05/20/2024	6.24	594.70
MW-20	Compliance	UA	06/19/2024	6.85	594.00

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Well ID	Well Type	Monitored Unit	Date	Depth to Groundwater (feet BMP)	Groundwater Elevation (feet NAVD88)
MW-20	Compliance	UA	07/19/2024	8.59	592.25
MW-20	Compliance	UA	08/19/2024	9.71	591.15
MW-20	Compliance	UA	09/18/2024	9.82	591.02
MW-20	Compliance	UA	10/18/2024	9.50	591.34
MW-20	Compliance	UA	11/18/2024	5.84	595.02
MW-20	Compliance	UA	12/17/2024	6.04	594.82
MW-20S	Compliance	USCU	01/16/2024	5.91	594.90
MW-20S	Compliance	USCU	02/04/2024	5.68	595.12
MW-20S	Compliance	USCU	03/04/2024	5.22	595.59
MW-20S	Compliance	USCU	04/20/2024	5.96	594.84
MW-20S	Compliance	USCU	05/20/2024	6.16	594.65
MW-20S	Compliance	USCU	06/19/2024	7.50	593.33
MW-20S	Compliance	USCU	07/19/2024	9.22	591.60
MW-20S	Compliance	USCU	08/19/2024	9.61	591.22
MW-20S	Compliance	USCU	09/18/2024	8.77	592.05
MW-20S	Compliance	USCU	10/18/2024	8.78	592.04
MW-20S	Compliance	USCU	11/18/2024	5.47	595.36
MW-20S	Compliance	USCU	12/17/2024	5.96	594.87
MW-23	Compliance	UA	01/16/2024	16.24	594.25
MW-23	Compliance	UA	02/04/2024	15.96	594.52
MW-23	Compliance	UA	03/04/2024	16.36	594.13
MW-23	Compliance	UA	04/20/2024	16.23	594.25
MW-23	Compliance	UA	05/20/2024	16.58	593.91
MW-23	Compliance	UA	06/19/2024	16.46	593.96
MW-23	Compliance	UA	07/19/2024	16.34	594.08
MW-23	Compliance	UA	08/19/2024	16.57	593.86
MW-23	Compliance	UA	09/18/2024	DM[7]	
MW-23	Compliance	UA	10/18/2024	DM[7]	
MW-23	Compliance	UA	11/18/2024	16.19	594.24
MW-23	Compliance	UA	12/17/2024	15.90	594.53
MW-27	Compliance	USCU	01/16/2024	16.15	584.07
MW-27	Compliance	USCU	02/04/2024	14.35	585.86
MW-27	Compliance	USCU	03/04/2024	14.51	585.71
MW-27	Compliance	USCU	04/20/2024	12.23	587.98
MW-27	Compliance	USCU	05/20/2024	13.11	587.11
MW-27	Compliance	USCU	06/19/2024	14.88	585.09
MW-27	Compliance	USCU	07/19/2024	15.65	584.32
MW-27	Compliance	USCU	08/19/2024	16.35	583.63
MW-27	Compliance	USCU	09/18/2024	17.65	582.32
MW-27	Compliance	USCU	10/18/2024	17.86	582.11
MW-27	Compliance	USCU	11/18/2024	16.14	583.84
MW-27	Compliance	USCU	12/18/2024	15.42	584.56
MW-28	Compliance	UA	01/16/2024	6.46	595.11
MW-28	Compliance	UA	02/04/2024	5.69	595.87
MW-28	Compliance	UA	03/04/2024	6.62	594.95
MW-28	Compliance	UA	04/20/2024	6.18	595.38

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

Well ID	Well Type	Monitored Unit	Date	Depth to Groundwater (feet BMP)	Groundwater Elevation (feet NAVD88)
MW-28	Compliance	UA	05/20/2024	6.73	594.84
MW-28	Compliance	UA	06/19/2024	7.27	594.22
MW-28	Compliance	UA	07/19/2024	7.63	593.85
MW-28	Compliance	UA	08/19/2024	7.85	593.64
MW-28	Compliance	UA	09/18/2024	8.25	593.24
MW-28	Compliance	UA	10/18/2024	8.55	592.94
MW-28	Compliance	UA	11/18/2024	6.11	595.38
MW-28	Compliance	UA	12/18/2024	6.66	594.83
MW-30	Compliance	UA	01/16/2024	24.71	593.93
MW-30	Compliance	UA	02/04/2024	23.60	595.03
MW-30	Compliance	UA	03/04/2024	24.37	594.27
MW-30	Compliance	UA	04/20/2024	24.02	594.61
MW-30	Compliance	UA	05/20/2024	24.52	594.12
MW-30	Compliance	UA	06/19/2024	25.18	593.37
MW-30	Compliance	UA	07/19/2024	25.25	593.30
MW-30	Compliance	UA	08/19/2024	25.22	593.34
MW-30	Compliance	UA	09/18/2024	25.14	593.41
MW-30	Compliance	UA	10/18/2024	25.76	592.79
MW-30	Compliance	UA	11/18/2024	24.78	593.78
MW-30	Compliance	UA	12/17/2024	24.54	594.02
MW-31	Compliance	UA	01/16/2024	30.70	586.81
MW-31	Compliance	UA	02/04/2024	29.57	587.93
MW-31	Compliance	UA	03/04/2024	29.90	587.61
MW-31	Compliance	UA	04/20/2024	29.71	587.79
MW-31	Compliance	UA	05/20/2024	30.50	587.01
MW-31	Compliance	UA	06/19/2024	31.31	586.15
MW-31	Compliance	UA	07/19/2024	31.29	586.17
MW-31	Compliance	UA	08/19/2024	31.97	585.50
MW-31	Compliance	UA	09/18/2024	32.85	584.61
MW-31	Compliance	UA	10/18/2024	33.37	584.09
MW-31	Compliance	UA	11/18/2024	30.60	586.87
MW-31	Compliance	UA	12/17/2024	30.09	587.38
MW-31S	Compliance	USCU	01/16/2024	21.42	596.29
MW-31S	Compliance	USCU	02/04/2024	21.17	596.53
MW-31S	Compliance	USCU	03/04/2024	20.97	596.74
MW-31S	Compliance	USCU	04/20/2024	24.26	593.44
MW-31S	Compliance	USCU	05/20/2024	23.12	594.59
MW-31S	Compliance	USCU	06/19/2024	26.30	591.32
MW-31S	Compliance	USCU	07/19/2024	23.74	593.88
MW-31S	Compliance	USCU	08/19/2024	22.02	595.61
MW-31S	Compliance	USCU	09/18/2024	22.80	594.82
MW-31S	Compliance	USCU	10/18/2024	20.98	596.64
MW-31S	Compliance	USCU	11/18/2024	19.79	597.84
MW-31S	Compliance	USCU	12/17/2024	23.62	594.01
MW-32	Compliance	UA	01/16/2024	22.82	596.84
MW-32	Compliance	UA	02/04/2024	21.95	597.70

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

Well ID	Well Type	Monitored Unit	Date	Depth to Groundwater (feet BMP)	Groundwater Elevation (feet NAVD88)
MW-32	Compliance	UA	03/04/2024	22.86	596.80
MW-32	Compliance	UA	04/20/2024	22.78	596.87
MW-32	Compliance	UA	05/20/2024	23.19	596.47
MW-32	Compliance	UA	06/19/2024	23.28	596.24
MW-32	Compliance	UA	07/19/2024	24.14	595.38
MW-32	Compliance	UA	08/19/2024	25.10	594.43
MW-32	Compliance	UA	09/18/2024	25.21	594.31
MW-32	Compliance	UA	10/18/2024	25.46	594.06
MW-32	Compliance	UA	11/18/2024	23.57	595.96
MW-32	Compliance	UA	12/17/2024	22.88	596.65
PZ-4C	Compliance	UA	01/16/2024	6.83	593.91
PZ-4C	Compliance	UA	02/04/2024	6.67	594.06
PZ-4C	Compliance	UA	03/04/2024	6.92	593.82
PZ-4C	Compliance	UA	04/20/2024	6.94	593.79
PZ-4C	Compliance	UA	05/20/2024	6.92	593.82
PZ-4C	Compliance	UA	06/19/2024	DM[7]	
PZ-4C	Compliance	UA	07/19/2024	DM[7]	
PZ-4C	Compliance	UA	08/19/2024	9.03	591.77
PZ-4C	Compliance	UA	09/18/2024	DM[7]	
PZ-4C	Compliance	UA	10/18/2024	DM[7]	
PZ-4C	Compliance	UA	11/18/2024	6.51	594.29
PZ-4C	Compliance	UA	12/17/2024	6.76	594.04
XSG-01	Water Level	CCR	01/17/2024	DM[1]	
XSG-01	Water Level	CCR	02/04/2024	DM[1]	
XSG-01	Water Level	CCR	03/04/2024	4.79	603.81
XSG-01	Water Level	CCR	04/20/2024	5.08	603.51
XSG-01	Water Level	CCR	05/20/2024	5.21	603.39
XSG-01	Water Level	CCR	06/19/2024	5.60	602.72
XSG-01	Water Level	CCR	07/19/2024	5.35	602.96
XSG-01	Water Level	CCR	08/19/2024	5.12	603.21
XSG-01	Water Level	CCR	09/18/2024	DM[7]	
XSG-01	Water Level	CCR	10/18/2024	DM[7]	
XSG-01	Water Level	CCR	11/18/2024	4.75	603.58
XSG-01	Water Level	CCR	12/17/2024	4.36	603.97
SG-02	Water Level	SW	01/16/2024	18.35	583.15
SG-02	Water Level	SW	02/04/2024	20.31	585.11
SG-02	Water Level	SW	03/04/2024	20.17	584.97
SG-02	Water Level	SW	04/20/2024	20.39	585.19
SG-02	Water Level	SW	05/20/2024	20.37	585.17
SG-02	Water Level	SW	06/19/2024	20.17	584.97
SG-02	Water Level	SW	07/19/2024	19.88	584.68
SG-02	Water Level	SW	08/19/2024	19.68	584.48
SG-02	Water Level	SW	09/18/2024	19.09	583.89
SG-02	Water Level	SW	10/18/2024	18.65	583.45
SG-02	Water Level	SW	11/18/2024	19.34	584.14
SG-02	Water Level	SW	12/18/2024	19.48	584.28

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

NAVD88 = North American Vertical Datum of 1988
Monitored Unit Abbreviations:
- CCR = coal combustion residuals
- SW = surface water
- UA = uppermost aquifer
- USCU = upper semi-confining unit

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

Well ID	HSU	Well Type	Date	Event ID	Parameter	Unit	Result	Comparison Value	Background	SSI Type
MW-1	UA	Background	03/04/2024	A7	Boron, total	mg/L	0.221	--	--	--
MW-1	UA	Background	05/20/2024	A7R	Boron, total	mg/L	0.272	--	--	--
MW-1	UA	Background	08/19/2024	A7D	Boron, total	mg/L	0.292	--	--	--
MW-1	UA	Background	11/18/2024	A7DR	Boron, total	mg/L	0.300	--	--	--
MW-1	UA	Background	03/04/2024	A7	Calcium, total	mg/L	56.1	--	--	--
MW-1	UA	Background	05/20/2024	A7R	Calcium, total	mg/L	58.6	--	--	--
MW-1	UA	Background	08/19/2024	A7D	Calcium, total	mg/L	63.3	--	--	--
MW-1	UA	Background	11/18/2024	A7DR	Calcium, total	mg/L	56.6	--	--	--
MW-1	UA	Background	03/04/2024	A7	Chloride, total	mg/L	16.0	--	--	--
MW-1	UA	Background	05/20/2024	A7R	Chloride, total	mg/L	16.0	--	--	--
MW-1	UA	Background	08/19/2024	A7D	Chloride, total	mg/L	14.1	--	--	--
MW-1	UA	Background	11/18/2024	A7DR	Chloride, total	mg/L	13.6	--	--	--
MW-1	UA	Background	03/04/2024	A7	Fluoride, total	mg/L	0.180	--	--	--
MW-1	UA	Background	05/20/2024	A7R	Fluoride, total	mg/L	0.190	--	--	--
MW-1	UA	Background	08/19/2024	A7D	Fluoride, total	mg/L	0.12 J	--	--	--
MW-1	UA	Background	11/18/2024	A7DR	Fluoride, total	mg/L	0.2 U	--	--	--
MW-1	UA	Background	03/04/2024	A7	pH (field)	SU	6.6	--	--	--
MW-1	UA	Background	05/20/2024	A7R	pH (field)	SU	6.5	--	--	--
MW-1	UA	Background	08/19/2024	A7D	pH (field)	SU	6.1	--	--	--
MW-1	UA	Background	11/18/2024	A7DR	pH (field)	SU	6.4	--	--	--
MW-1	UA	Background	03/04/2024	A7	Sulfate, total	mg/L	97.0	--	--	--
MW-1	UA	Background	05/20/2024	A7R	Sulfate, total	mg/L	91.0	--	--	--
MW-1	UA	Background	08/19/2024	A7D	Sulfate, total	mg/L	87.8	--	--	--
MW-1	UA	Background	11/18/2024	A7DR	Sulfate, total	mg/L	87.0	--	--	--
MW-1	UA	Background	03/04/2024	A7	Total Dissolved Solids	mg/L	324	--	--	--
MW-1	UA	Background	05/20/2024	A7R	Total Dissolved Solids	mg/L	895	--	--	--
MW-1	UA	Background	08/19/2024	A7D	Total Dissolved Solids	mg/L	344	--	--	--
MW-1	UA	Background	11/18/2024	A7DR	Total Dissolved Solids	mg/L	374	--	--	--
MW-2	UA	Background	03/04/2024	A7	Boron, total	mg/L	0.03 U	--	--	--
MW-2	UA	Background	05/20/2024	A7R	Boron, total	mg/L	0.0488	--	--	--
MW-2	UA	Background	08/19/2024	A7D	Boron, total	mg/L	0.0523	--	--	--
MW-2	UA	Background	11/18/2024	A7DR	Boron, total	mg/L	0.0715	--	--	--
MW-2	UA	Background	03/04/2024	A7	Calcium, total	mg/L	97.1	--	--	--
MW-2	UA	Background	05/20/2024	A7R	Calcium, total	mg/L	90.0	--	--	--
MW-2	UA	Background	08/19/2024	A7D	Calcium, total	mg/L	108	--	--	--
MW-2	UA	Background	11/18/2024	A7DR	Calcium, total	mg/L	97.1	--	--	--
MW-2	UA	Background	03/04/2024	A7	Chloride, total	mg/L	18.0	--	--	--
MW-2	UA	Background	05/20/2024	A7R	Chloride, total	mg/L	17.0	--	--	--
MW-2	UA	Background	08/19/2024	A7D	Chloride, total	mg/L	15.6	--	--	--
MW-2	UA	Background	11/18/2024	A7DR	Chloride, total	mg/L	14.2	--	--	--
MW-2	UA	Background	03/04/2024	A7	Fluoride, total	mg/L	0.430	--	--	--
MW-2	UA	Background	05/20/2024	A7R	Fluoride, total	mg/L	0.470	--	--	--
MW-2	UA	Background	08/19/2024	A7D	Fluoride, total	mg/L	0.38 J	--	--	--
MW-2	UA	Background	11/18/2024	A7DR	Fluoride, total	mg/L	0.38 J	--	--	--
MW-2	UA	Background	03/04/2024	A7	pH (field)	SU	7.2	--	--	--
MW-2	UA	Background	05/20/2024	A7R	pH (field)	SU	7.2	--	--	--

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

Well ID	HSU	Well Type	Date	Event ID	Parameter	Unit	Result	Comparison Value	Background	SSI Type
MW-2	UA	Background	08/19/2024	A7D	pH (field)	SU	7.1	--	--	--
MW-2	UA	Background	11/18/2024	A7DR	pH (field)	SU	7.0	--	--	--
MW-2	UA	Background	03/04/2024	A7	Sulfate, total	mg/L	153	--	--	--
MW-2	UA	Background	05/20/2024	A7R	Sulfate, total	mg/L	149	--	--	--
MW-2	UA	Background	08/19/2024	A7D	Sulfate, total	mg/L	140	--	--	--
MW-2	UA	Background	11/18/2024	A7DR	Sulfate, total	mg/L	136	--	--	--
MW-2	UA	Background	03/04/2024	A7	Total Dissolved Solids	mg/L	455	--	--	--
MW-2	UA	Background	05/20/2024	A7R	Total Dissolved Solids	mg/L	504	--	--	--
MW-2	UA	Background	08/19/2024	A7D	Total Dissolved Solids	mg/L	518	--	--	--
MW-2	UA	Background	11/18/2024	A7DR	Total Dissolved Solids	mg/L	560	--	--	--
MW-3	UA	Compliance	03/04/2024	A7	Boron, total	mg/L	1.52	1.52	0.273	Reported
MW-3	UA	Compliance	05/20/2024	A7R	Boron, total	mg/L	1.42	1.42	0.273	Confirmed
MW-3	UA	Compliance	08/19/2024	A7D	Boron, total	mg/L	1.55	1.55	0.273	Reported
MW-3	UA	Compliance	11/18/2024	A7DR	Boron, total	mg/L	1.63	1.63	0.273	Confirmed
MW-3	UA	Compliance	03/04/2024	A7	Calcium, total	mg/L	94.0	94.0	105	No Exceedance
MW-3	UA	Compliance	05/20/2024	A7R	Calcium, total	mg/L	88.9	88.9	105	No Exceedance
MW-3	UA	Compliance	08/19/2024	A7D	Calcium, total	mg/L	101	101	105	No Exceedance
MW-3	UA	Compliance	11/18/2024	A7DR	Calcium, total	mg/L	91.9	91.9	105	No Exceedance
MW-3	UA	Compliance	03/04/2024	A7	Chloride, total	mg/L	30.0	30.0	17.8	Reported
MW-3	UA	Compliance	05/20/2024	A7R	Chloride, total	mg/L	29.0	29.0	17.8	Confirmed
MW-3	UA	Compliance	08/19/2024	A7D	Chloride, total	mg/L	28.8	28.8	17.8	Reported
MW-3	UA	Compliance	11/18/2024	A7DR	Chloride, total	mg/L	28.3	28.3	17.8	Confirmed
MW-3	UA	Compliance	03/04/2024	A7	Fluoride, total	mg/L	0.220	0.220	0.470	No Exceedance
MW-3	UA	Compliance	05/20/2024	A7R	Fluoride, total	mg/L	0.230	0.230	0.470	No Exceedance
MW-3	UA	Compliance	08/19/2024	A7D	Fluoride, total	mg/L	0.15 J	0.25	0.470	No Exceedance
MW-3	UA	Compliance	11/18/2024	A7DR	Fluoride, total	mg/L	0.2 U	0.25	0.470	No Exceedance
MW-3	UA	Compliance	03/04/2024	A7	pH (field)	SU	6.8	6.8	6.3/7.7	No Exceedance
MW-3	UA	Compliance	05/20/2024	A7R	pH (field)	SU	6.7	6.7	6.3/7.7	No Exceedance
MW-3	UA	Compliance	08/19/2024	A7D	pH (field)	SU	6.7	6.7	6.3/7.7	No Exceedance
MW-3	UA	Compliance	11/18/2024	A7DR	pH (field)	SU	6.7	6.7	6.3/7.7	No Exceedance
MW-3	UA	Compliance	03/04/2024	A7	Sulfate, total	mg/L	143	143	202	No Exceedance
MW-3	UA	Compliance	05/20/2024	A7R	Sulfate, total	mg/L	140	140	202	No Exceedance
MW-3	UA	Compliance	08/19/2024	A7D	Sulfate, total	mg/L	126	126	202	No Exceedance
MW-3	UA	Compliance	11/18/2024	A7DR	Sulfate, total	mg/L	126	126	202	No Exceedance
MW-3	UA	Compliance	03/04/2024	A7	Total Dissolved Solids	mg/L	586	586	685	No Exceedance
MW-3	UA	Compliance	05/20/2024	A7R	Total Dissolved Solids	mg/L	578	578	685	No Exceedance
MW-3	UA	Compliance	08/19/2024	A7D	Total Dissolved Solids	mg/L	584	584	685	No Exceedance
MW-3	UA	Compliance	11/18/2024	A7DR	Total Dissolved Solids	mg/L	606	606	685	No Exceedance
MW-5	UA	Compliance	03/04/2024	A7	Boron, total	mg/L	0.482	0.482	0.273	Reported
MW-5	UA	Compliance	05/20/2024	A7R	Boron, total	mg/L	0.602	0.602	0.273	Confirmed
MW-5	UA	Compliance	08/19/2024	A7D	Boron, total	mg/L	0.505	0.505	0.273	Reported
MW-5	UA	Compliance	11/19/2024	A7DR	Boron, total	mg/L	0.699	0.699	0.273	Confirmed
MW-5	UA	Compliance	03/04/2024	A7	Calcium, total	mg/L	156	156	105	Reported
MW-5	UA	Compliance	05/20/2024	A7R	Calcium, total	mg/L	150	150	105	Confirmed
MW-5	UA	Compliance	08/19/2024	A7D	Calcium, total	mg/L	173	173	105	Reported
MW-5	UA	Compliance	11/19/2024	A7DR	Calcium, total	mg/L	161	161	105	Confirmed

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

Well ID	HSU	Well Type	Date	Event ID	Parameter	Unit	Result	Comparison Value	Background	SSI Type
MW-5	UA	Compliance	03/04/2024	A7	Chloride, total	mg/L	47.0	47.0	17.8	Reported
MW-5	UA	Compliance	05/20/2024	A7R	Chloride, total	mg/L	44.0	44.0	17.8	Confirmed
MW-5	UA	Compliance	08/19/2024	A7D	Chloride, total	mg/L	43.5	43.5	17.8	Reported
MW-5	UA	Compliance	11/19/2024	A7DR	Chloride, total	mg/L	42.6	42.6	17.8	Confirmed
MW-5	UA	Compliance	03/04/2024	A7	Fluoride, total	mg/L	0.150	0.150	0.470	No Exceedance
MW-5	UA	Compliance	05/20/2024	A7R	Fluoride, total	mg/L	0.170	0.170	0.470	No Exceedance
MW-5	UA	Compliance	08/19/2024	A7D	Fluoride, total	mg/L	0.06 J	0.25	0.470	No Exceedance
MW-5	UA	Compliance	11/19/2024	A7DR	Fluoride, total	mg/L	0.2 U	0.25	0.470	No Exceedance
MW-5	UA	Compliance	03/04/2024	A7	pH (field)	SU	6.6	6.6	6.3/7.7	No Exceedance
MW-5	UA	Compliance	05/20/2024	A7R	pH (field)	SU	6.5	6.5	6.3/7.7	No Exceedance
MW-5	UA	Compliance	08/19/2024	A7D	pH (field)	SU	6.6	6.6	6.3/7.7	No Exceedance
MW-5	UA	Compliance	11/19/2024	A7DR	pH (field)	SU	6.5	6.5	6.3/7.7	No Exceedance
MW-5	UA	Compliance	03/04/2024	A7	Sulfate, total	mg/L	14.0	14.0	202	No Exceedance
MW-5	UA	Compliance	05/20/2024	A7R	Sulfate, total	mg/L	13.0 J	13.0	202	No Exceedance
MW-5	UA	Compliance	08/19/2024	A7D	Sulfate, total	mg/L	9.8 J	10	202	No Exceedance
MW-5	UA	Compliance	11/19/2024	A7DR	Sulfate, total	mg/L	10.0	10.0	202	No Exceedance
MW-5	UA	Compliance	03/04/2024	A7	Total Dissolved Solids	mg/L	780	780	685	Reported
MW-5	UA	Compliance	05/20/2024	A7R	Total Dissolved Solids	mg/L	785 J	785	685	Confirmed
MW-5	UA	Compliance	08/19/2024	A7D	Total Dissolved Solids	mg/L	774	774	685	Reported
MW-5	UA	Compliance	11/19/2024	A7DR	Total Dissolved Solids	mg/L	740	740	685	Confirmed
MW-6	UA	Compliance	03/05/2024	A7	Boron, total	mg/L	0.971	0.971	0.273	Reported
MW-6	UA	Compliance	05/20/2024	A7R	Boron, total	mg/L	0.759	0.759	0.273	Confirmed
MW-6	UA	Compliance	08/20/2024	A7D	Boron, total	mg/L	1.19	1.19	0.273	Reported
MW-6	UA	Compliance	11/18/2024	A7DR	Boron, total	mg/L	1.32	1.32	0.273	Confirmed
MW-6	UA	Compliance	03/05/2024	A7	Calcium, total	mg/L	99.6	99.6	105	No Exceedance
MW-6	UA	Compliance	05/20/2024	A7R	Calcium, total	mg/L	80.2	80.2	105	No Exceedance
MW-6	UA	Compliance	08/20/2024	A7D	Calcium, total	mg/L	102	102	105	No Exceedance
MW-6	UA	Compliance	11/18/2024	A7DR	Calcium, total	mg/L	91.8	91.8	105	No Exceedance
MW-6	UA	Compliance	03/05/2024	A7	Chloride, total	mg/L	3 J	4	17.8	No Exceedance
MW-6	UA	Compliance	05/20/2024	A7R	Chloride, total	mg/L	1 J	4	17.8	No Exceedance
MW-6	UA	Compliance	08/20/2024	A7D	Chloride, total	mg/L	3.3 J	5	17.8	No Exceedance
MW-6	UA	Compliance	11/18/2024	A7DR	Chloride, total	mg/L	3.2 J	5	17.8	No Exceedance
MW-6	UA	Compliance	03/05/2024	A7	Fluoride, total	mg/L	0.180	0.180	0.470	No Exceedance
MW-6	UA	Compliance	05/20/2024	A7R	Fluoride, total	mg/L	0.210	0.210	0.470	No Exceedance
MW-6	UA	Compliance	08/20/2024	A7D	Fluoride, total	mg/L	0.12 J	0.25	0.470	No Exceedance
MW-6	UA	Compliance	11/18/2024	A7DR	Fluoride, total	mg/L	0.2 U	0.25	0.470	No Exceedance
MW-6	UA	Compliance	03/05/2024	A7	pH (field)	SU	6.4	6.4	6.3/7.7	No Exceedance
MW-6	UA	Compliance	05/20/2024	A7R	pH (field)	SU	6.4	6.4	6.3/7.7	No Exceedance
MW-6	UA	Compliance	08/20/2024	A7D	pH (field)	SU	6.4	6.4	6.3/7.7	No Exceedance
MW-6	UA	Compliance	11/18/2024	A7DR	pH (field)	SU	6.3	6.3	6.3/7.7	No Exceedance
MW-6	UA	Compliance	03/05/2024	A7	Sulfate, total	mg/L	144	144	202	No Exceedance
MW-6	UA	Compliance	05/20/2024	A7R	Sulfate, total	mg/L	116	116	202	No Exceedance
MW-6	UA	Compliance	08/20/2024	A7D	Sulfate, total	mg/L	141	141	202	No Exceedance
MW-6	UA	Compliance	11/18/2024	A7DR	Sulfate, total	mg/L	149	149	202	No Exceedance
MW-6	UA	Compliance	03/05/2024	A7	Total Dissolved Solids	mg/L	486	486	685	No Exceedance
MW-6	UA	Compliance	05/20/2024	A7R	Total Dissolved Solids	mg/L	450	450	685	No Exceedance

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

Well ID	HSU	Well Type	Date	Event ID	Parameter	Unit	Result	Comparison Value	Background	SSI Type
MW-6	UA	Compliance	08/20/2024	A7D	Total Dissolved Solids	mg/L	520	520	685	No Exceedance
MW-6	UA	Compliance	11/18/2024	A7DR	Total Dissolved Solids	mg/L	552	552	685	No Exceedance
MW-7	UA	Compliance	03/05/2024	A7	Boron, total	mg/L	0.269	0.269	0.273	No Exceedance
MW-7	UA	Compliance	05/20/2024	A7R	Boron, total	mg/L	0.286	0.286	0.273	Exceedance Not Confirmed
MW-7	UA	Compliance	08/20/2024	A7D	Boron, total	mg/L	0.555	0.555	0.273	Reported
MW-7	UA	Compliance	11/18/2024	A7DR	Boron, total	mg/L	0.651	0.651	0.273	Confirmed
MW-7	UA	Compliance	03/05/2024	A7	Calcium, total	mg/L	140	140	105	Reported
MW-7	UA	Compliance	05/20/2024	A7R	Calcium, total	mg/L	112	112	105	Confirmed
MW-7	UA	Compliance	08/20/2024	A7D	Calcium, total	mg/L	180	180	105	Reported
MW-7	UA	Compliance	11/18/2024	A7DR	Calcium, total	mg/L	174	174	105	Confirmed
MW-7	UA	Compliance	03/05/2024	A7	Chloride, total	mg/L	2 J	4	17.8	No Exceedance
MW-7	UA	Compliance	05/20/2024	A7R	Chloride, total	mg/L	1 J	4	17.8	No Exceedance
MW-7	UA	Compliance	08/20/2024	A7D	Chloride, total	mg/L	6.50	6.50	17.8	No Exceedance
MW-7	UA	Compliance	11/18/2024	A7DR	Chloride, total	mg/L	3.5 J	5	17.8	No Exceedance
MW-7	UA	Compliance	03/05/2024	A7	Fluoride, total	mg/L	0.260	0.260	0.470	No Exceedance
MW-7	UA	Compliance	05/20/2024	A7R	Fluoride, total	mg/L	0.260	0.260	0.470	No Exceedance
MW-7	UA	Compliance	08/20/2024	A7D	Fluoride, total	mg/L	0.19 J	0.25	0.470	No Exceedance
MW-7	UA	Compliance	11/18/2024	A7DR	Fluoride, total	mg/L	0.25 J	0.25	0.470	No Exceedance
MW-7	UA	Compliance	03/05/2024	A7	pH (field)	SU	6.9	6.9	6.3/7.7	No Exceedance
MW-7	UA	Compliance	05/20/2024	A7R	pH (field)	SU	7.0	7.0	6.3/7.7	No Exceedance
MW-7	UA	Compliance	08/20/2024	A7D	pH (field)	SU	6.8	6.8	6.3/7.7	No Exceedance
MW-7	UA	Compliance	11/18/2024	A7DR	pH (field)	SU	6.6	6.6	6.3/7.7	No Exceedance
MW-7	UA	Compliance	03/05/2024	A7	Sulfate, total	mg/L	235	235	202	Exceedance Not Confirmed
MW-7	UA	Compliance	05/20/2024	A7R	Sulfate, total	mg/L	156	156	202	No Exceedance
MW-7	UA	Compliance	08/20/2024	A7D	Sulfate, total	mg/L	347	347	202	Reported
MW-7	UA	Compliance	11/18/2024	A7DR	Sulfate, total	mg/L	417	417	202	Confirmed
MW-7	UA	Compliance	03/05/2024	A7	Total Dissolved Solids	mg/L	620	620	685	No Exceedance
MW-7	UA	Compliance	05/20/2024	A7R	Total Dissolved Solids	mg/L	625	625	685	No Exceedance
MW-7	UA	Compliance	08/20/2024	A7D	Total Dissolved Solids	mg/L	930	930	685	Reported
MW-7	UA	Compliance	11/18/2024	A7DR	Total Dissolved Solids	mg/L	1,110	1,110	685	Confirmed
MW-7S	USCU	Compliance	03/04/2024	A7	Boron, total	mg/L	4.41	4.41	0.273	Reported
MW-7S	USCU	Compliance	05/20/2024	A7R	Boron, total	mg/L	5.54	5.54	0.273	Confirmed
MW-7S	USCU	Compliance	08/20/2024	A7D	Boron, total	mg/L	4.03	4.03	0.273	Reported
MW-7S	USCU	Compliance	11/18/2024	A7DR	Boron, total	mg/L	4.66	4.66	0.273	Confirmed
MW-7S	USCU	Compliance	03/04/2024	A7	Calcium, total	mg/L	172	172	105	Reported
MW-7S	USCU	Compliance	05/20/2024	A7R	Calcium, total	mg/L	168	168	105	Confirmed
MW-7S	USCU	Compliance	08/20/2024	A7D	Calcium, total	mg/L	191	191	105	Reported
MW-7S	USCU	Compliance	11/18/2024	A7DR	Calcium, total	mg/L	175	175	105	Confirmed
MW-7S	USCU	Compliance	03/04/2024	A7	Chloride, total	mg/L	10.0	10.0	17.8	No Exceedance
MW-7S	USCU	Compliance	05/20/2024	A7R	Chloride, total	mg/L	8.00	8.00	17.8	No Exceedance
MW-7S	USCU	Compliance	08/20/2024	A7D	Chloride, total	mg/L	6.85	6.85	17.8	No Exceedance
MW-7S	USCU	Compliance	11/18/2024	A7DR	Chloride, total	mg/L	6.75	6.75	17.8	No Exceedance
MW-7S	USCU	Compliance	03/04/2024	A7	Fluoride, total	mg/L	0.290	0.290	0.470	No Exceedance
MW-7S	USCU	Compliance	05/20/2024	A7R	Fluoride, total	mg/L	0.300	0.300	0.470	No Exceedance
MW-7S	USCU	Compliance	08/20/2024	A7D	Fluoride, total	mg/L	0.23 J	0.25	0.470	No Exceedance

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

Well ID	HSU	Well Type	Date	Event ID	Parameter	Unit	Result	Comparison Value	Background	SSI Type
MW-7S	USCU	Compliance	11/18/2024	A7DR	Fluoride, total	mg/L	0.25 J	0.25	0.470	No Exceedance
MW-7S	USCU	Compliance	03/04/2024	A7	pH (field)	SU	6.8	6.8	6.3/7.7	No Exceedance
MW-7S	USCU	Compliance	05/20/2024	A7R	pH (field)	SU	6.7	6.7	6.3/7.7	No Exceedance
MW-7S	USCU	Compliance	08/20/2024	A7D	pH (field)	SU	6.7	6.7	6.3/7.7	No Exceedance
MW-7S	USCU	Compliance	11/18/2024	A7DR	pH (field)	SU	6.5	6.5	6.3/7.7	No Exceedance
MW-7S	USCU	Compliance	03/04/2024	A7	Sulfate, total	mg/L	478	478	202	Reported
MW-7S	USCU	Compliance	05/20/2024	A7R	Sulfate, total	mg/L	486	486	202	Confirmed
MW-7S	USCU	Compliance	08/20/2024	A7D	Sulfate, total	mg/L	555	555	202	Reported
MW-7S	USCU	Compliance	11/18/2024	A7DR	Sulfate, total	mg/L	547	547	202	Confirmed
MW-7S	USCU	Compliance	03/04/2024	A7	Total Dissolved Solids	mg/L	1,150	1,150	685	Reported
MW-7S	USCU	Compliance	05/20/2024	A7R	Total Dissolved Solids	mg/L	1,140	1,140	685	Confirmed
MW-7S	USCU	Compliance	08/20/2024	A7D	Total Dissolved Solids	mg/L	486	486	685	No Exceedance
MW-7S	USCU	Compliance	11/18/2024	A7DR	Total Dissolved Solids	mg/L	1,290	1,290	685	Exceedance Not Confirmed
MW-8	UA	Compliance	03/05/2024	A7	Boron, total	mg/L	0.994	0.994	0.273	Reported
MW-8	UA	Compliance	05/20/2024	A7R	Boron, total	mg/L	0.889	0.889	0.273	Confirmed
MW-8	UA	Compliance	08/20/2024	A7D	Boron, total	mg/L	0.930	0.930	0.273	Reported
MW-8	UA	Compliance	11/18/2024	A7DR	Boron, total	mg/L	1.04	1.04	0.273	Confirmed
MW-8	UA	Compliance	03/05/2024	A7	Calcium, total	mg/L	163	163	105	Reported
MW-8	UA	Compliance	05/20/2024	A7R	Calcium, total	mg/L	141	141	105	Confirmed
MW-8	UA	Compliance	08/20/2024	A7D	Calcium, total	mg/L	161	161	105	Reported
MW-8	UA	Compliance	11/18/2024	A7DR	Calcium, total	mg/L	144	144	105	Confirmed
MW-8	UA	Compliance	03/05/2024	A7	Chloride, total	mg/L	23.0	23.0	17.8	Reported
MW-8	UA	Compliance	05/20/2024	A7R	Chloride, total	mg/L	21.0	21.0	17.8	Confirmed
MW-8	UA	Compliance	08/20/2024	A7D	Chloride, total	mg/L	20.4	20.4	17.8	Reported
MW-8	UA	Compliance	11/18/2024	A7DR	Chloride, total	mg/L	19.6	19.6	17.8	Confirmed
MW-8	UA	Compliance	03/05/2024	A7	Fluoride, total	mg/L	0.210	0.210	0.470	No Exceedance
MW-8	UA	Compliance	05/20/2024	A7R	Fluoride, total	mg/L	0.220	0.220	0.470	No Exceedance
MW-8	UA	Compliance	08/20/2024	A7D	Fluoride, total	mg/L	0.12 J	0.25	0.470	No Exceedance
MW-8	UA	Compliance	11/18/2024	A7DR	Fluoride, total	mg/L	0.2 U	0.25	0.470	No Exceedance
MW-8	UA	Compliance	03/05/2024	A7	pH (field)	SU	6.7	6.7	6.3/7.7	No Exceedance
MW-8	UA	Compliance	05/20/2024	A7R	pH (field)	SU	6.6	6.6	6.3/7.7	No Exceedance
MW-8	UA	Compliance	08/20/2024	A7D	pH (field)	SU	6.4	6.4	6.3/7.7	No Exceedance
MW-8	UA	Compliance	11/18/2024	A7DR	pH (field)	SU	6.4	6.4	6.3/7.7	No Exceedance
MW-8	UA	Compliance	03/05/2024	A7	Sulfate, total	mg/L	209	209	202	Reported
MW-8	UA	Compliance	05/20/2024	A7R	Sulfate, total	mg/L	217	217	202	Confirmed
MW-8	UA	Compliance	08/20/2024	A7D	Sulfate, total	mg/L	205	205	202	Exceedance Not Confirmed
MW-8	UA	Compliance	11/18/2024	A7DR	Sulfate, total	mg/L	201	201	202	No Exceedance
MW-8	UA	Compliance	03/05/2024	A7	Total Dissolved Solids	mg/L	796	796	685	Reported
MW-8	UA	Compliance	05/20/2024	A7R	Total Dissolved Solids	mg/L	844	844	685	Confirmed
MW-8	UA	Compliance	08/20/2024	A7D	Total Dissolved Solids	mg/L	816	816	685	Reported
MW-8	UA	Compliance	11/18/2024	A7DR	Total Dissolved Solids	mg/L	1,040	1,040	685	Confirmed
MW-8S	USCU	Compliance	--	A7	Boron, total	mg/L	NS[7]	--	0.273	--
MW-8S	USCU	Compliance	--	A7R	Boron, total	mg/L	NS[7]	--	0.273	--
MW-8S	USCU	Compliance	--	A7D	Boron, total	mg/L	NS[7]	--	0.273	--
MW-8S	USCU	Compliance	--	A7DR	Boron, total	mg/L	NS[7]	--	0.273	--

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

Well ID	HSU	Well Type	Date	Event ID	Parameter	Unit	Result	Comparison Value	Background	SSI Type
MW-8S	USCU	Compliance	--	A7	Calcium, total	mg/L	NS[7]	--	105	--
MW-8S	USCU	Compliance	--	A7R	Calcium, total	mg/L	NS[7]	--	105	--
MW-8S	USCU	Compliance	--	A7D	Calcium, total	mg/L	NS[7]	--	105	--
MW-8S	USCU	Compliance	--	A7DR	Calcium, total	mg/L	NS[7]	--	105	--
MW-8S	USCU	Compliance	--	A7	Chloride, total	mg/L	NS[7]	--	17.8	--
MW-8S	USCU	Compliance	--	A7R	Chloride, total	mg/L	NS[7]	--	17.8	--
MW-8S	USCU	Compliance	--	A7D	Chloride, total	mg/L	NS[7]	--	17.8	--
MW-8S	USCU	Compliance	--	A7DR	Chloride, total	mg/L	NS[7]	--	17.8	--
MW-8S	USCU	Compliance	--	A7	Fluoride, total	mg/L	NS[7]	--	0.470	--
MW-8S	USCU	Compliance	--	A7R	Fluoride, total	mg/L	NS[7]	--	0.470	--
MW-8S	USCU	Compliance	--	A7D	Fluoride, total	mg/L	NS[7]	--	0.470	--
MW-8S	USCU	Compliance	--	A7DR	Fluoride, total	mg/L	NS[7]	--	0.470	--
MW-8S	USCU	Compliance	--	A7	pH (field)	SU	NS[7]	--	6.3/7.7	--
MW-8S	USCU	Compliance	--	A7R	pH (field)	SU	NS[7]	--	6.3/7.7	--
MW-8S	USCU	Compliance	--	A7D	pH (field)	SU	NS[7]	--	6.3/7.7	--
MW-8S	USCU	Compliance	--	A7DR	pH (field)	SU	NS[7]	--	6.3/7.7	--
MW-8S	USCU	Compliance	--	A7	Sulfate, total	mg/L	NS[7]	--	202	--
MW-8S	USCU	Compliance	--	A7R	Sulfate, total	mg/L	NS[7]	--	202	--
MW-8S	USCU	Compliance	--	A7D	Sulfate, total	mg/L	NS[7]	--	202	--
MW-8S	USCU	Compliance	--	A7DR	Sulfate, total	mg/L	NS[7]	--	202	--
MW-8S	USCU	Compliance	--	A7	Total Dissolved Solids	mg/L	NS[7]	--	685	--
MW-8S	USCU	Compliance	--	A7R	Total Dissolved Solids	mg/L	NS[7]	--	685	--
MW-8S	USCU	Compliance	--	A7D	Total Dissolved Solids	mg/L	NS[7]	--	685	--
MW-8S	USCU	Compliance	--	A7DR	Total Dissolved Solids	mg/L	NS[7]	--	685	--
MW-11	UA	Compliance	03/05/2024	A7	Boron, total	mg/L	1.51	1.51	0.273	Reported
MW-11	UA	Compliance	05/20/2024	A7R	Boron, total	mg/L	1.41	1.41	0.273	Confirmed
MW-11	UA	Compliance	08/20/2024	A7D	Boron, total	mg/L	1.48	1.48	0.273	Reported
MW-11	UA	Compliance	11/18/2024	A7DR	Boron, total	mg/L	1.35	1.35	0.273	Confirmed
MW-11	UA	Compliance	03/05/2024	A7	Calcium, total	mg/L	128	128	105	Reported
MW-11	UA	Compliance	05/20/2024	A7R	Calcium, total	mg/L	112	112	105	Confirmed
MW-11	UA	Compliance	08/20/2024	A7D	Calcium, total	mg/L	123	123	105	Exceedance Not Confirmed
MW-11	UA	Compliance	11/18/2024	A7DR	Calcium, total	mg/L	98.4	98.4	105	No Exceedance
MW-11	UA	Compliance	03/05/2024	A7	Chloride, total	mg/L	34.0	34.0	17.8	Reported
MW-11	UA	Compliance	05/20/2024	A7R	Chloride, total	mg/L	34.0	34.0	17.8	Confirmed
MW-11	UA	Compliance	08/20/2024	A7D	Chloride, total	mg/L	32.2	32.2	17.8	Reported
MW-11	UA	Compliance	11/18/2024	A7DR	Chloride, total	mg/L	25.2	25.2	17.8	Confirmed
MW-11	UA	Compliance	03/05/2024	A7	Fluoride, total	mg/L	0.440	0.440	0.470	No Exceedance
MW-11	UA	Compliance	05/20/2024	A7R	Fluoride, total	mg/L	0.470	0.470	0.470	No Exceedance
MW-11	UA	Compliance	08/20/2024	A7D	Fluoride, total	mg/L	0.43 J	0.25	0.470	No Exceedance
MW-11	UA	Compliance	11/18/2024	A7DR	Fluoride, total	mg/L	0.41 J	0.25	0.470	No Exceedance
MW-11	UA	Compliance	03/05/2024	A7	pH (field)	SU	6.6	6.6	6.3/7.7	No Exceedance
MW-11	UA	Compliance	05/20/2024	A7R	pH (field)	SU	6.8	6.8	6.3/7.7	No Exceedance
MW-11	UA	Compliance	08/20/2024	A7D	pH (field)	SU	6.7	6.7	6.3/7.7	No Exceedance
MW-11	UA	Compliance	11/18/2024	A7DR	pH (field)	SU	6.7	6.7	6.3/7.7	No Exceedance
MW-11	UA	Compliance	03/05/2024	A7	Sulfate, total	mg/L	115	115	202	No Exceedance

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

Well ID	HSU	Well Type	Date	Event ID	Parameter	Unit	Result	Comparison Value	Background	SSI Type
MW-11	UA	Compliance	05/20/2024	A7R	Sulfate, total	mg/L	117	117	202	No Exceedance
MW-11	UA	Compliance	08/20/2024	A7D	Sulfate, total	mg/L	121	121	202	No Exceedance
MW-11	UA	Compliance	11/18/2024	A7DR	Sulfate, total	mg/L	89.3	89.3	202	No Exceedance
MW-11	UA	Compliance	03/05/2024	A7	Total Dissolved Solids	mg/L	685	685	685	No Exceedance
MW-11	UA	Compliance	05/20/2024	A7R	Total Dissolved Solids	mg/L	636 J	636	685	No Exceedance
MW-11	UA	Compliance	08/20/2024	A7D	Total Dissolved Solids	mg/L	632	632	685	No Exceedance
MW-11	UA	Compliance	11/18/2024	A7DR	Total Dissolved Solids	mg/L	554	554	685	No Exceedance
MW-12	UA	Compliance	03/05/2024	A7	Boron, total	mg/L	2.59	2.59	0.273	Reported
MW-12	UA	Compliance	05/20/2024	A7R	Boron, total	mg/L	4.23	4.23	0.273	Confirmed
MW-12	UA	Compliance	08/20/2024	A7D	Boron, total	mg/L	3.07	3.07	0.273	Reported
MW-12	UA	Compliance	11/19/2024	A7DR	Boron, total	mg/L	3.88	3.88	0.273	Confirmed
MW-12	UA	Compliance	03/05/2024	A7	Calcium, total	mg/L	217	217	105	Reported
MW-12	UA	Compliance	05/20/2024	A7R	Calcium, total	mg/L	189	189	105	Confirmed
MW-12	UA	Compliance	08/20/2024	A7D	Calcium, total	mg/L	209	209	105	Reported
MW-12	UA	Compliance	11/19/2024	A7DR	Calcium, total	mg/L	196	196	105	Confirmed
MW-12	UA	Compliance	03/05/2024	A7	Chloride, total	mg/L	31.0	31.0	17.8	Reported
MW-12	UA	Compliance	05/20/2024	A7R	Chloride, total	mg/L	26.0	26.0	17.8	Confirmed
MW-12	UA	Compliance	08/20/2024	A7D	Chloride, total	mg/L	29.5	29.5	17.8	Reported
MW-12	UA	Compliance	11/19/2024	A7DR	Chloride, total	mg/L	29.5	29.5	17.8	Confirmed
MW-12	UA	Compliance	03/05/2024	A7	Fluoride, total	mg/L	0.220	0.220	0.470	No Exceedance
MW-12	UA	Compliance	05/20/2024	A7R	Fluoride, total	mg/L	0.170	0.170	0.470	No Exceedance
MW-12	UA	Compliance	08/20/2024	A7D	Fluoride, total	mg/L	0.11 J	0.25	0.470	No Exceedance
MW-12	UA	Compliance	11/19/2024	A7DR	Fluoride, total	mg/L	0.2 U	0.25	0.470	No Exceedance
MW-12	UA	Compliance	03/05/2024	A7	pH (field)	SU	6.7	6.7	6.3/7.7	No Exceedance
MW-12	UA	Compliance	05/20/2024	A7R	pH (field)	SU	6.5	6.5	6.3/7.7	No Exceedance
MW-12	UA	Compliance	08/20/2024	A7D	pH (field)	SU	6.7	6.7	6.3/7.7	No Exceedance
MW-12	UA	Compliance	11/19/2024	A7DR	pH (field)	SU	6.6	6.6	6.3/7.7	No Exceedance
MW-12	UA	Compliance	03/05/2024	A7	Sulfate, total	mg/L	346	346	202	Reported
MW-12	UA	Compliance	05/20/2024	A7R	Sulfate, total	mg/L	386	386	202	Confirmed
MW-12	UA	Compliance	08/20/2024	A7D	Sulfate, total	mg/L	360	360	202	Reported
MW-12	UA	Compliance	11/19/2024	A7DR	Sulfate, total	mg/L	348	348	202	Confirmed
MW-12	UA	Compliance	03/05/2024	A7	Total Dissolved Solids	mg/L	995	995	685	Reported
MW-12	UA	Compliance	05/20/2024	A7R	Total Dissolved Solids	mg/L	1,280	1,280	685	Confirmed
MW-12	UA	Compliance	08/20/2024	A7D	Total Dissolved Solids	mg/L	1,120	1,120	685	Reported
MW-12	UA	Compliance	11/19/2024	A7DR	Total Dissolved Solids	mg/L	952	952	685	Confirmed
MW-20	UA	Compliance	03/05/2024	A7	Boron, total	mg/L	0.603	0.603	0.273	Reported
MW-20	UA	Compliance	05/20/2024	A7R	Boron, total	mg/L	0.628	0.628	0.273	Confirmed
MW-20	UA	Compliance	08/21/2024	A7D	Boron, total	mg/L	0.739	0.739	0.273	Reported
MW-20	UA	Compliance	11/18/2024	A7DR	Boron, total	mg/L	0.794	0.794	0.273	Confirmed
MW-20	UA	Compliance	03/05/2024	A7	Calcium, total	mg/L	142	142	105	Reported
MW-20	UA	Compliance	05/20/2024	A7R	Calcium, total	mg/L	125	125	105	Confirmed
MW-20	UA	Compliance	08/21/2024	A7D	Calcium, total	mg/L	137	137	105	Reported
MW-20	UA	Compliance	11/18/2024	A7DR	Calcium, total	mg/L	122	122	105	Confirmed
MW-20	UA	Compliance	03/05/2024	A7	Chloride, total	mg/L	21.0	21.0	17.8	Reported
MW-20	UA	Compliance	05/20/2024	A7R	Chloride, total	mg/L	21.0	21.0	17.8	Confirmed
MW-20	UA	Compliance	08/21/2024	A7D	Chloride, total	mg/L	20.1	20.1	17.8	Reported

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

Well ID	HSU	Well Type	Date	Event ID	Parameter	Unit	Result	Comparison Value	Background	SSI Type
MW-20	UA	Compliance	11/18/2024	A7DR	Chloride, total	mg/L	19.8	19.8	17.8	Confirmed
MW-20	UA	Compliance	03/05/2024	A7	Fluoride, total	mg/L	0.330	0.330	0.470	No Exceedance
MW-20	UA	Compliance	05/20/2024	A7R	Fluoride, total	mg/L	0.330	0.330	0.470	No Exceedance
MW-20	UA	Compliance	08/21/2024	A7D	Fluoride, total	mg/L	0.28 J	0.25	0.470	No Exceedance
MW-20	UA	Compliance	11/18/2024	A7DR	Fluoride, total	mg/L	0.27 J	0.25	0.470	No Exceedance
MW-20	UA	Compliance	03/05/2024	A7	pH (field)	SU	6.9	6.9	6.3/7.7	No Exceedance
MW-20	UA	Compliance	05/20/2024	A7R	pH (field)	SU	6.9	6.9	6.3/7.7	No Exceedance
MW-20	UA	Compliance	08/21/2024	A7D	pH (field)	SU	6.9	6.9	6.3/7.7	No Exceedance
MW-20	UA	Compliance	11/18/2024	A7DR	pH (field)	SU	6.8	6.8	6.3/7.7	No Exceedance
MW-20	UA	Compliance	03/05/2024	A7	Sulfate, total	mg/L	166	166	202	No Exceedance
MW-20	UA	Compliance	05/20/2024	A7R	Sulfate, total	mg/L	164	164	202	No Exceedance
MW-20	UA	Compliance	08/21/2024	A7D	Sulfate, total	mg/L	147	147	202	No Exceedance
MW-20	UA	Compliance	11/18/2024	A7DR	Sulfate, total	mg/L	158	158	202	No Exceedance
MW-20	UA	Compliance	03/05/2024	A7	Total Dissolved Solids	mg/L	674	674	685	No Exceedance
MW-20	UA	Compliance	05/20/2024	A7R	Total Dissolved Solids	mg/L	720	720	685	Exceedance Not Confirmed
MW-20	UA	Compliance	08/21/2024	A7D	Total Dissolved Solids	mg/L	672	672	685	No Exceedance
MW-20	UA	Compliance	11/18/2024	A7DR	Total Dissolved Solids	mg/L	742	742	685	Exceedance Not Confirmed
MW-20S	USCU	Compliance	03/04/2024	A7	Boron, total	mg/L	1.70	1.70	0.273	Reported
MW-20S	USCU	Compliance	05/21/2024	A7R	Boron, total	mg/L	1.84	1.84	0.273	Confirmed
MW-20S	USCU	Compliance	08/20/2024	A7D	Boron, total	mg/L	1.80	1.80	0.273	Reported
MW-20S	USCU	Compliance	11/19/2024	A7DR	Boron, total	mg/L	1.84	1.84	0.273	Confirmed
MW-20S	USCU	Compliance	03/04/2024	A7	Calcium, total	mg/L	181	181	105	Reported
MW-20S	USCU	Compliance	05/21/2024	A7R	Calcium, total	mg/L	192	192	105	Confirmed
MW-20S	USCU	Compliance	08/20/2024	A7D	Calcium, total	mg/L	205	205	105	Reported
MW-20S	USCU	Compliance	11/19/2024	A7DR	Calcium, total	mg/L	169	169	105	Confirmed
MW-20S	USCU	Compliance	03/04/2024	A7	Chloride, total	mg/L	22.0	22.0	17.8	Reported
MW-20S	USCU	Compliance	05/21/2024	A7R	Chloride, total	mg/L	18.0	18.0	17.8	Confirmed
MW-20S	USCU	Compliance	08/20/2024	A7D	Chloride, total	mg/L	18.0	18.0	17.8	Reported
MW-20S	USCU	Compliance	11/19/2024	A7DR	Chloride, total	mg/L	19.7	19.7	17.8	Confirmed
MW-20S	USCU	Compliance	03/04/2024	A7	Fluoride, total	mg/L	0.160	0.160	0.470	No Exceedance
MW-20S	USCU	Compliance	05/21/2024	A7R	Fluoride, total	mg/L	0.190	0.190	0.470	No Exceedance
MW-20S	USCU	Compliance	08/20/2024	A7D	Fluoride, total	mg/L	0.12 J	0.25	0.470	No Exceedance
MW-20S	USCU	Compliance	11/19/2024	A7DR	Fluoride, total	mg/L	0.2 U	0.25	0.470	No Exceedance
MW-20S	USCU	Compliance	03/04/2024	A7	pH (field)	SU	6.7	6.7	6.3/7.7	No Exceedance
MW-20S	USCU	Compliance	05/21/2024	A7R	pH (field)	SU	6.6	6.6	6.3/7.7	No Exceedance
MW-20S	USCU	Compliance	08/20/2024	A7D	pH (field)	SU	6.6	6.6	6.3/7.7	No Exceedance
MW-20S	USCU	Compliance	11/19/2024	A7DR	pH (field)	SU	6.6	6.6	6.3/7.7	No Exceedance
MW-20S	USCU	Compliance	03/04/2024	A7	Sulfate, total	mg/L	351	351	202	Reported
MW-20S	USCU	Compliance	05/21/2024	A7R	Sulfate, total	mg/L	402	402	202	Confirmed
MW-20S	USCU	Compliance	08/20/2024	A7D	Sulfate, total	mg/L	389	389	202	Reported
MW-20S	USCU	Compliance	11/19/2024	A7DR	Sulfate, total	mg/L	280	280	202	Confirmed
MW-20S	USCU	Compliance	03/04/2024	A7	Total Dissolved Solids	mg/L	990	990	685	Reported
MW-20S	USCU	Compliance	05/21/2024	A7R	Total Dissolved Solids	mg/L	1,120	1,120	685	Confirmed
MW-20S	USCU	Compliance	08/20/2024	A7D	Total Dissolved Solids	mg/L	1,070	1,070	685	Reported
MW-20S	USCU	Compliance	11/19/2024	A7DR	Total Dissolved Solids	mg/L	956	956	685	Confirmed

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

Well ID	HSU	Well Type	Date	Event ID	Parameter	Unit	Result	Comparison Value	Background	SSI Type
MW-23	UA	Compliance	03/05/2024	A7	Boron, total	mg/L	2.15	2.15	0.273	Reported
MW-23	UA	Compliance	05/20/2024	A7R	Boron, total	mg/L	2.51	2.51	0.273	Confirmed
MW-23	UA	Compliance	08/21/2024	A7D	Boron, total	mg/L	2.08	2.08	0.273	Reported
MW-23	UA	Compliance	11/18/2024	A7DR	Boron, total	mg/L	2.22	2.22	0.273	Confirmed
MW-23	UA	Compliance	03/05/2024	A7	Calcium, total	mg/L	120	120	105	Reported
MW-23	UA	Compliance	05/20/2024	A7R	Calcium, total	mg/L	106	106	105	Confirmed
MW-23	UA	Compliance	08/21/2024	A7D	Calcium, total	mg/L	119	119	105	Reported
MW-23	UA	Compliance	11/18/2024	A7DR	Calcium, total	mg/L	106	106	105	Confirmed
MW-23	UA	Compliance	03/05/2024	A7	Chloride, total	mg/L	27.0	27.0	17.8	Reported
MW-23	UA	Compliance	05/20/2024	A7R	Chloride, total	mg/L	26.0	26.0	17.8	Confirmed
MW-23	UA	Compliance	08/21/2024	A7D	Chloride, total	mg/L	25.1	25.1	17.8	Reported
MW-23	UA	Compliance	11/18/2024	A7DR	Chloride, total	mg/L	23.8	23.8	17.8	Confirmed
MW-23	UA	Compliance	03/05/2024	A7	Fluoride, total	mg/L	0.340	0.340	0.470	No Exceedance
MW-23	UA	Compliance	05/20/2024	A7R	Fluoride, total	mg/L	0.340	0.340	0.470	No Exceedance
MW-23	UA	Compliance	08/21/2024	A7D	Fluoride, total	mg/L	0.26 J	0.25	0.470	No Exceedance
MW-23	UA	Compliance	11/18/2024	A7DR	Fluoride, total	mg/L	0.28 J	0.25	0.470	No Exceedance
MW-23	UA	Compliance	03/05/2024	A7	pH (field)	SU	6.7	6.7	6.3/7.7	No Exceedance
MW-23	UA	Compliance	05/20/2024	A7R	pH (field)	SU	6.8	6.8	6.3/7.7	No Exceedance
MW-23	UA	Compliance	08/21/2024	A7D	pH (field)	SU	6.8	6.8	6.3/7.7	No Exceedance
MW-23	UA	Compliance	11/18/2024	A7DR	pH (field)	SU	6.7	6.7	6.3/7.7	No Exceedance
MW-23	UA	Compliance	03/05/2024	A7	Sulfate, total	mg/L	48.0	48.0	202	No Exceedance
MW-23	UA	Compliance	05/20/2024	A7R	Sulfate, total	mg/L	50.0 J+	50.0	202	No Exceedance
MW-23	UA	Compliance	08/21/2024	A7D	Sulfate, total	mg/L	44.5	44.5	202	No Exceedance
MW-23	UA	Compliance	11/18/2024	A7DR	Sulfate, total	mg/L	37.1	37.1	202	No Exceedance
MW-23	UA	Compliance	03/05/2024	A7	Total Dissolved Solids	mg/L	586	586	685	No Exceedance
MW-23	UA	Compliance	05/20/2024	A7R	Total Dissolved Solids	mg/L	614	614	685	No Exceedance
MW-23	UA	Compliance	08/21/2024	A7D	Total Dissolved Solids	mg/L	600	600	685	No Exceedance
MW-23	UA	Compliance	11/18/2024	A7DR	Total Dissolved Solids	mg/L	630	630	685	No Exceedance
MW-27	USCU	Compliance	03/05/2024	A7	Boron, total	mg/L	1.04	1.04	0.273	Reported
MW-27	USCU	Compliance	05/21/2024	A7R	Boron, total	mg/L	1.28	1.28	0.273	Confirmed
MW-27	USCU	Compliance	08/21/2024	A7D	Boron, total	mg/L	0.677	0.677	0.273	Reported
MW-27	USCU	Compliance	--	A7DR	Boron, total	mg/L	NS[7]	--	0.273	--
MW-27	USCU	Compliance	03/05/2024	A7	Calcium, total	mg/L	188	188	105	Reported
MW-27	USCU	Compliance	05/21/2024	A7R	Calcium, total	mg/L	195	195	105	Confirmed
MW-27	USCU	Compliance	08/21/2024	A7D	Calcium, total	mg/L	196	196	105	Reported
MW-27	USCU	Compliance	--	A7DR	Calcium, total	mg/L	NS[7]	--	105	--
MW-27	USCU	Compliance	03/05/2024	A7	Chloride, total	mg/L	17.0	17.0	17.8	No Exceedance
MW-27	USCU	Compliance	05/21/2024	A7R	Chloride, total	mg/L	11.0	11.0	17.8	No Exceedance
MW-27	USCU	Compliance	08/21/2024	A7D	Chloride, total	mg/L	10.4	10.4	17.8	No Exceedance
MW-27	USCU	Compliance	--	A7DR	Chloride, total	mg/L	NS[7]	--	17.8	--
MW-27	USCU	Compliance	03/05/2024	A7	Fluoride, total	mg/L	0.170	0.170	0.470	No Exceedance
MW-27	USCU	Compliance	05/21/2024	A7R	Fluoride, total	mg/L	0.380	0.380	0.470	No Exceedance
MW-27	USCU	Compliance	08/21/2024	A7D	Fluoride, total	mg/L	0.15 J	0.25	0.470	No Exceedance
MW-27	USCU	Compliance	--	A7DR	Fluoride, total	mg/L	NS[7]	--	0.470	--
MW-27	USCU	Compliance	03/05/2024	A7	pH (field)	SU	6.8	6.8	6.3/7.7	No Exceedance
MW-27	USCU	Compliance	05/21/2024	A7R	pH (field)	SU	7.0	7.0	6.3/7.7	No Exceedance

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

Well ID	HSU	Well Type	Date	Event ID	Parameter	Unit	Result	Comparison Value	Background	SSI Type
MW-27	USCU	Compliance	08/21/2024	A7D	pH (field)	SU	6.5	6.5	6.3/7.7	No Exceedance
MW-27	USCU	Compliance	--	A7DR	pH (field)	SU	NS[7]	--	6.3/7.7	--
MW-27	USCU	Compliance	03/05/2024	A7	Sulfate, total	mg/L	311	311	202	Reported
MW-27	USCU	Compliance	05/21/2024	A7R	Sulfate, total	mg/L	400	400	202	Confirmed
MW-27	USCU	Compliance	08/21/2024	A7D	Sulfate, total	mg/L	403	403	202	Reported
MW-27	USCU	Compliance	--	A7DR	Sulfate, total	mg/L	NS[7]	--	202	--
MW-27	USCU	Compliance	03/05/2024	A7	Total Dissolved Solids	mg/L	885	885	685	Reported
MW-27	USCU	Compliance	05/21/2024	A7R	Total Dissolved Solids	mg/L	1,360	1,360	685	Confirmed
MW-27	USCU	Compliance	08/21/2024	A7D	Total Dissolved Solids	mg/L	1,020	1,020	685	Reported
MW-27	USCU	Compliance	--	A7DR	Total Dissolved Solids	mg/L	NS[7]	--	685	--
MW-28	UA	Compliance	03/06/2024	A7	Boron, total	mg/L	10.4	10.4	0.273	Reported
MW-28	UA	Compliance	05/20/2024	A7R	Boron, total	mg/L	10.3	10.3	0.273	Confirmed
MW-28	UA	Compliance	08/20/2024	A7D	Boron, total	mg/L	7.99	7.99	0.273	Reported
MW-28	UA	Compliance	11/19/2024	A7DR	Boron, total	mg/L	8.14	8.14	0.273	Confirmed
MW-28	UA	Compliance	03/06/2024	A7	Calcium, total	mg/L	257	257	105	Reported
MW-28	UA	Compliance	05/20/2024	A7R	Calcium, total	mg/L	278	278	105	Confirmed
MW-28	UA	Compliance	08/20/2024	A7D	Calcium, total	mg/L	318	318	105	Reported
MW-28	UA	Compliance	11/19/2024	A7DR	Calcium, total	mg/L	239	239	105	Confirmed
MW-28	UA	Compliance	03/06/2024	A7	Chloride, total	mg/L	12.0	12.0	17.8	No Exceedance
MW-28	UA	Compliance	05/20/2024	A7R	Chloride, total	mg/L	15.0	15.0	17.8	No Exceedance
MW-28	UA	Compliance	08/20/2024	A7D	Chloride, total	mg/L	9.44	9.44	17.8	No Exceedance
MW-28	UA	Compliance	11/19/2024	A7DR	Chloride, total	mg/L	7.54	7.54	17.8	No Exceedance
MW-28	UA	Compliance	03/06/2024	A7	Fluoride, total	mg/L	0.320	0.320	0.470	No Exceedance
MW-28	UA	Compliance	05/20/2024	A7R	Fluoride, total	mg/L	0.130	0.130	0.470	No Exceedance
MW-28	UA	Compliance	08/20/2024	A7D	Fluoride, total	mg/L	0.03 U	0.25	0.470	No Exceedance
MW-28	UA	Compliance	11/19/2024	A7DR	Fluoride, total	mg/L	0.2 U	0.25	0.470	No Exceedance
MW-28	UA	Compliance	03/06/2024	A7	pH (field)	SU	6.7	6.7	6.3/7.7	No Exceedance
MW-28	UA	Compliance	05/20/2024	A7R	pH (field)	SU	6.6	6.6	6.3/7.7	No Exceedance
MW-28	UA	Compliance	08/20/2024	A7D	pH (field)	SU	6.7	6.7	6.3/7.7	No Exceedance
MW-28	UA	Compliance	11/19/2024	A7DR	pH (field)	SU	6.6	6.6	6.3/7.7	No Exceedance
MW-28	UA	Compliance	03/06/2024	A7	Sulfate, total	mg/L	771	771	202	Reported
MW-28	UA	Compliance	05/20/2024	A7R	Sulfate, total	mg/L	946	946	202	Confirmed
MW-28	UA	Compliance	08/20/2024	A7D	Sulfate, total	mg/L	1,070	1,070	202	Reported
MW-28	UA	Compliance	11/19/2024	A7DR	Sulfate, total	mg/L	815	815	202	Confirmed
MW-28	UA	Compliance	03/06/2024	A7	Total Dissolved Solids	mg/L	1,600	1,600	685	Reported
MW-28	UA	Compliance	05/20/2024	A7R	Total Dissolved Solids	mg/L	2,080	2,080	685	Confirmed
MW-28	UA	Compliance	08/20/2024	A7D	Total Dissolved Solids	mg/L	1,980	1,980	685	Reported
MW-28	UA	Compliance	11/19/2024	A7DR	Total Dissolved Solids	mg/L	1,810 J	1,810	685	Confirmed
MW-30	UA	Compliance	03/06/2024	A7	Boron, total	mg/L	1.68	1.68	0.273	Reported
MW-30	UA	Compliance	05/20/2024	A7R	Boron, total	mg/L	1.02	1.02	0.273	Confirmed
MW-30	UA	Compliance	08/20/2024	A7D	Boron, total	mg/L	1.11	1.11	0.273	Reported
MW-30	UA	Compliance	11/19/2024	A7DR	Boron, total	mg/L	1.14	1.14	0.273	Confirmed
MW-30	UA	Compliance	03/06/2024	A7	Calcium, total	mg/L	111	111	105	Reported
MW-30	UA	Compliance	05/20/2024	A7R	Calcium, total	mg/L	109	109	105	Confirmed
MW-30	UA	Compliance	08/20/2024	A7D	Calcium, total	mg/L	126	126	105	Reported
MW-30	UA	Compliance	11/19/2024	A7DR	Calcium, total	mg/L	108	108	105	Confirmed

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

Well ID	HSU	Well Type	Date	Event ID	Parameter	Unit	Result	Comparison Value	Background	SSI Type
MW-30	UA	Compliance	03/06/2024	A7	Chloride, total	mg/L	42.0	42.0	17.8	Reported
MW-30	UA	Compliance	05/20/2024	A7R	Chloride, total	mg/L	40.0	40.0	17.8	Confirmed
MW-30	UA	Compliance	08/20/2024	A7D	Chloride, total	mg/L	38.5	38.5	17.8	Reported
MW-30	UA	Compliance	11/19/2024	A7DR	Chloride, total	mg/L	36.7	36.7	17.8	Confirmed
MW-30	UA	Compliance	03/06/2024	A7	Fluoride, total	mg/L	0.560	0.560	0.470	Exceedance Not Confirmed
MW-30	UA	Compliance	05/20/2024	A7R	Fluoride, total	mg/L	0.330	0.330	0.470	No Exceedance
MW-30	UA	Compliance	08/20/2024	A7D	Fluoride, total	mg/L	0.23 J	0.25	0.470	No Exceedance
MW-30	UA	Compliance	11/19/2024	A7DR	Fluoride, total	mg/L	0.29 J	0.25	0.470	No Exceedance
MW-30	UA	Compliance	03/06/2024	A7	pH (field)	SU	6.7	6.7	6.3/7.7	No Exceedance
MW-30	UA	Compliance	05/20/2024	A7R	pH (field)	SU	6.7	6.7	6.3/7.7	No Exceedance
MW-30	UA	Compliance	08/20/2024	A7D	pH (field)	SU	6.6	6.6	6.3/7.7	No Exceedance
MW-30	UA	Compliance	11/19/2024	A7DR	pH (field)	SU	6.6	6.6	6.3/7.7	No Exceedance
MW-30	UA	Compliance	03/06/2024	A7	Sulfate, total	mg/L	9 J-	10	202	No Exceedance
MW-30	UA	Compliance	05/20/2024	A7R	Sulfate, total	mg/L	10 UJ	10	202	No Exceedance
MW-30	UA	Compliance	08/20/2024	A7D	Sulfate, total	mg/L	2 J	10	202	No Exceedance
MW-30	UA	Compliance	11/19/2024	A7DR	Sulfate, total	mg/L	3 U	10	202	No Exceedance
MW-30	UA	Compliance	03/06/2024	A7	Total Dissolved Solids	mg/L	615	615	685	No Exceedance
MW-30	UA	Compliance	05/20/2024	A7R	Total Dissolved Solids	mg/L	570 J	570	685	No Exceedance
MW-30	UA	Compliance	08/20/2024	A7D	Total Dissolved Solids	mg/L	244	244	685	No Exceedance
MW-30	UA	Compliance	11/19/2024	A7DR	Total Dissolved Solids	mg/L	546 J	546	685	No Exceedance
MW-31	UA	Compliance	03/06/2024	A7	Boron, total	mg/L	0.376	0.376	0.273	Exceedance Not Confirmed
MW-31	UA	Compliance	05/21/2024	A7R	Boron, total	mg/L	0.256	0.256	0.273	No Exceedance
MW-31	UA	Compliance	08/21/2024	A7D	Boron, total	mg/L	0.202	0.202	0.273	No Exceedance
MW-31	UA	Compliance	11/18/2024	A7DR	Boron, total	mg/L	0.157	0.157	0.273	No Exceedance
MW-31	UA	Compliance	03/06/2024	A7	Calcium, total	mg/L	129	129	105	Reported
MW-31	UA	Compliance	05/21/2024	A7R	Calcium, total	mg/L	119	119	105	Confirmed
MW-31	UA	Compliance	08/21/2024	A7D	Calcium, total	mg/L	141	141	105	Reported
MW-31	UA	Compliance	11/18/2024	A7DR	Calcium, total	mg/L	117	117	105	Confirmed
MW-31	UA	Compliance	03/06/2024	A7	Chloride, total	mg/L	52.0	52.0	17.8	Reported
MW-31	UA	Compliance	05/21/2024	A7R	Chloride, total	mg/L	42.0	42.0	17.8	Confirmed
MW-31	UA	Compliance	08/21/2024	A7D	Chloride, total	mg/L	43.4	43.4	17.8	Reported
MW-31	UA	Compliance	11/18/2024	A7DR	Chloride, total	mg/L	38.3	38.3	17.8	Confirmed
MW-31	UA	Compliance	03/06/2024	A7	Fluoride, total	mg/L	0.390	0.390	0.470	No Exceedance
MW-31	UA	Compliance	05/21/2024	A7R	Fluoride, total	mg/L	0.240	0.240	0.470	No Exceedance
MW-31	UA	Compliance	08/21/2024	A7D	Fluoride, total	mg/L	0.06 J	0.25	0.470	No Exceedance
MW-31	UA	Compliance	11/18/2024	A7DR	Fluoride, total	mg/L	0.2 U	0.25	0.470	No Exceedance
MW-31	UA	Compliance	03/06/2024	A7	pH (field)	SU	6.8	6.8	6.3/7.7	No Exceedance
MW-31	UA	Compliance	05/21/2024	A7R	pH (field)	SU	6.7	6.7	6.3/7.7	No Exceedance
MW-31	UA	Compliance	08/21/2024	A7D	pH (field)	SU	6.7	6.7	6.3/7.7	No Exceedance
MW-31	UA	Compliance	11/18/2024	A7DR	pH (field)	SU	6.6	6.6	6.3/7.7	No Exceedance
MW-31	UA	Compliance	03/06/2024	A7	Sulfate, total	mg/L	8 J	10	202	No Exceedance
MW-31	UA	Compliance	05/21/2024	A7R	Sulfate, total	mg/L	10 UJ	10	202	No Exceedance
MW-31	UA	Compliance	08/21/2024	A7D	Sulfate, total	mg/L	0.74 J	10	202	No Exceedance
MW-31	UA	Compliance	11/18/2024	A7DR	Sulfate, total	mg/L	3 U	10	202	No Exceedance
MW-31	UA	Compliance	03/06/2024	A7	Total Dissolved Solids	mg/L	680	680	685	No Exceedance

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

Well ID	HSU	Well Type	Date	Event ID	Parameter	Unit	Result	Comparison Value	Background	SSI Type
MW-31	UA	Compliance	05/21/2024	A7R	Total Dissolved Solids	mg/L	618	618	685	No Exceedance
MW-31	UA	Compliance	08/21/2024	A7D	Total Dissolved Solids	mg/L	500	500	685	No Exceedance
MW-31	UA	Compliance	11/18/2024	A7DR	Total Dissolved Solids	mg/L	575	575	685	No Exceedance
MW-31S	USCU	Compliance	03/04/2024	A7	Boron, total	mg/L	0.03 U	0.0125	0.273	No Exceedance
MW-31S	USCU	Compliance	05/21/2024	A7R	Boron, total	mg/L	0.223	0.223	0.273	No Exceedance
MW-31S	USCU	Compliance	08/21/2024	A7D	Boron, total	mg/L	0.105	0.105	0.273	No Exceedance
MW-31S	USCU	Compliance	11/19/2024	A7DR	Boron, total	mg/L	0.105	0.105	0.273	No Exceedance
MW-31S	USCU	Compliance	03/04/2024	A7	Calcium, total	mg/L	149	149	105	Reported
MW-31S	USCU	Compliance	05/21/2024	A7R	Calcium, total	mg/L	133	133	105	Confirmed
MW-31S	USCU	Compliance	08/21/2024	A7D	Calcium, total	mg/L	151	151	105	Reported
MW-31S	USCU	Compliance	11/19/2024	A7DR	Calcium, total	mg/L	149	149	105	Confirmed
MW-31S	USCU	Compliance	03/04/2024	A7	Chloride, total	mg/L	15.0	15.0	17.8	No Exceedance
MW-31S	USCU	Compliance	05/21/2024	A7R	Chloride, total	mg/L	40.0	40.0	17.8	Exceedance Not Confirmed
MW-31S	USCU	Compliance	08/21/2024	A7D	Chloride, total	mg/L	18.4	18.4	17.8	Exceedance Not Confirmed
MW-31S	USCU	Compliance	11/19/2024	A7DR	Chloride, total	mg/L	10.2	10.2	17.8	No Exceedance
MW-31S	USCU	Compliance	03/04/2024	A7	Fluoride, total	mg/L	0.290	0.290	0.470	No Exceedance
MW-31S	USCU	Compliance	05/21/2024	A7R	Fluoride, total	mg/L	0.210	0.210	0.470	No Exceedance
MW-31S	USCU	Compliance	08/21/2024	A7D	Fluoride, total	mg/L	0.08 J	0.25	0.470	No Exceedance
MW-31S	USCU	Compliance	11/19/2024	A7DR	Fluoride, total	mg/L	0.2 U	0.25	0.470	No Exceedance
MW-31S	USCU	Compliance	03/04/2024	A7	pH (field)	SU	6.7	6.7	6.3/7.7	No Exceedance
MW-31S	USCU	Compliance	05/21/2024	A7R	pH (field)	SU	6.8	6.8	6.3/7.7	No Exceedance
MW-31S	USCU	Compliance	08/21/2024	A7D	pH (field)	SU	6.7	6.7	6.3/7.7	No Exceedance
MW-31S	USCU	Compliance	11/19/2024	A7DR	pH (field)	SU	6.5	6.5	6.3/7.7	No Exceedance
MW-31S	USCU	Compliance	03/04/2024	A7	Sulfate, total	mg/L	14 J	20	202	No Exceedance
MW-31S	USCU	Compliance	05/21/2024	A7R	Sulfate, total	mg/L	12.0 J	12.0	202	No Exceedance
MW-31S	USCU	Compliance	08/21/2024	A7D	Sulfate, total	mg/L	2.1 J	10	202	No Exceedance
MW-31S	USCU	Compliance	11/19/2024	A7DR	Sulfate, total	mg/L	3 U	10	202	No Exceedance
MW-31S	USCU	Compliance	03/04/2024	A7	Total Dissolved Solids	mg/L	730	730	685	Reported
MW-31S	USCU	Compliance	05/21/2024	A7R	Total Dissolved Solids	mg/L	760	760	685	Confirmed
MW-31S	USCU	Compliance	08/21/2024	A7D	Total Dissolved Solids	mg/L	650	650	685	No Exceedance
MW-31S	USCU	Compliance	11/19/2024	A7DR	Total Dissolved Solids	mg/L	780 J	780	685	Exceedance Not Confirmed
MW-32	UA	Compliance	03/06/2024	A7	Boron, total	mg/L	2.33	2.33	0.273	Reported
MW-32	UA	Compliance	05/20/2024	A7R	Boron, total	mg/L	1.56	1.56	0.273	Confirmed
MW-32	UA	Compliance	08/20/2024	A7D	Boron, total	mg/L	1.59	1.59	0.273	Reported
MW-32	UA	Compliance	11/18/2024	A7DR	Boron, total	mg/L	1.75	1.75	0.273	Confirmed
MW-32	UA	Compliance	03/06/2024	A7	Calcium, total	mg/L	166	166	105	Reported
MW-32	UA	Compliance	05/20/2024	A7R	Calcium, total	mg/L	159	159	105	Confirmed
MW-32	UA	Compliance	08/20/2024	A7D	Calcium, total	mg/L	165	165	105	Reported
MW-32	UA	Compliance	11/18/2024	A7DR	Calcium, total	mg/L	154	154	105	Confirmed
MW-32	UA	Compliance	03/06/2024	A7	Chloride, total	mg/L	11.0	11.0	17.8	No Exceedance
MW-32	UA	Compliance	05/20/2024	A7R	Chloride, total	mg/L	10.0	10.0	17.8	No Exceedance
MW-32	UA	Compliance	08/20/2024	A7D	Chloride, total	mg/L	10.1	10.1	17.8	No Exceedance
MW-32	UA	Compliance	11/18/2024	A7DR	Chloride, total	mg/L	9.44	9.44	17.8	No Exceedance
MW-32	UA	Compliance	03/06/2024	A7	Fluoride, total	mg/L	0.400	0.400	0.470	No Exceedance

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

Well ID	HSU	Well Type	Date	Event ID	Parameter	Unit	Result	Comparison Value	Background	SSI Type
MW-32	UA	Compliance	05/20/2024	A7R	Fluoride, total	mg/L	0.170	0.170	0.470	No Exceedance
MW-32	UA	Compliance	08/20/2024	A7D	Fluoride, total	mg/L	0.07 J	0.25	0.470	No Exceedance
MW-32	UA	Compliance	11/18/2024	A7DR	Fluoride, total	mg/L	0.2 U	0.25	0.470	No Exceedance
MW-32	UA	Compliance	03/06/2024	A7	pH (field)	SU	6.6	6.6	6.3/7.7	No Exceedance
MW-32	UA	Compliance	05/20/2024	A7R	pH (field)	SU	6.4	6.4	6.3/7.7	No Exceedance
MW-32	UA	Compliance	08/20/2024	A7D	pH (field)	SU	6.4	6.4	6.3/7.7	No Exceedance
MW-32	UA	Compliance	11/18/2024	A7DR	pH (field)	SU	6.4	6.4	6.3/7.7	No Exceedance
MW-32	UA	Compliance	03/06/2024	A7	Sulfate, total	mg/L	358	358	202	Reported
MW-32	UA	Compliance	05/20/2024	A7R	Sulfate, total	mg/L	341	341	202	Confirmed
MW-32	UA	Compliance	08/20/2024	A7D	Sulfate, total	mg/L	335	335	202	Reported
MW-32	UA	Compliance	11/18/2024	A7DR	Sulfate, total	mg/L	313	313	202	Confirmed
MW-32	UA	Compliance	03/06/2024	A7	Total Dissolved Solids	mg/L	1,020	1,020	685	Reported
MW-32	UA	Compliance	05/20/2024	A7R	Total Dissolved Solids	mg/L	1,030 J	1,030	685	Confirmed
MW-32	UA	Compliance	08/20/2024	A7D	Total Dissolved Solids	mg/L	1,010	1,010	685	Reported
MW-32	UA	Compliance	11/18/2024	A7DR	Total Dissolved Solids	mg/L	1,040	1,040	685	Confirmed
PZ-4C	UA	Compliance	03/06/2024	A7	Boron, total	mg/L	1.48	1.48	0.273	Reported
PZ-4C	UA	Compliance	05/21/2024	A7R	Boron, total	mg/L	1.45	1.45	0.273	Confirmed
PZ-4C	UA	Compliance	08/21/2024	A7D	Boron, total	mg/L	1.37	1.37	0.273	Reported
PZ-4C	UA	Compliance	11/19/2024	A7DR	Boron, total	mg/L	1.56	1.56	0.273	Confirmed
PZ-4C	UA	Compliance	03/06/2024	A7	Calcium, total	mg/L	113	113	105	Reported
PZ-4C	UA	Compliance	05/21/2024	A7R	Calcium, total	mg/L	112	112	105	Confirmed
PZ-4C	UA	Compliance	08/21/2024	A7D	Calcium, total	mg/L	131	131	105	Reported
PZ-4C	UA	Compliance	11/19/2024	A7DR	Calcium, total	mg/L	116	116	105	Confirmed
PZ-4C	UA	Compliance	03/06/2024	A7	Chloride, total	mg/L	34.0	34.0	17.8	Reported
PZ-4C	UA	Compliance	05/21/2024	A7R	Chloride, total	mg/L	32.0	32.0	17.8	Confirmed
PZ-4C	UA	Compliance	08/21/2024	A7D	Chloride, total	mg/L	34.2	34.2	17.8	Reported
PZ-4C	UA	Compliance	11/19/2024	A7DR	Chloride, total	mg/L	32.7	32.7	17.8	Confirmed
PZ-4C	UA	Compliance	03/06/2024	A7	Fluoride, total	mg/L	0.340	0.340	0.470	No Exceedance
PZ-4C	UA	Compliance	05/21/2024	A7R	Fluoride, total	mg/L	0.380	0.380	0.470	No Exceedance
PZ-4C	UA	Compliance	08/21/2024	A7D	Fluoride, total	mg/L	0.3 J	0.25	0.470	No Exceedance
PZ-4C	UA	Compliance	11/19/2024	A7DR	Fluoride, total	mg/L	0.32 J	0.25	0.470	No Exceedance
PZ-4C	UA	Compliance	03/06/2024	A7	pH (field)	SU	6.9	6.9	6.3/7.7	No Exceedance
PZ-4C	UA	Compliance	05/21/2024	A7R	pH (field)	SU	6.8	6.8	6.3/7.7	No Exceedance
PZ-4C	UA	Compliance	08/21/2024	A7D	pH (field)	SU	6.8	6.8	6.3/7.7	No Exceedance
PZ-4C	UA	Compliance	11/19/2024	A7DR	pH (field)	SU	6.8	6.8	6.3/7.7	No Exceedance
PZ-4C	UA	Compliance	03/06/2024	A7	Sulfate, total	mg/L	77.0	77.0	202	No Exceedance
PZ-4C	UA	Compliance	05/21/2024	A7R	Sulfate, total	mg/L	79.0 J+	79.0	202	No Exceedance
PZ-4C	UA	Compliance	08/21/2024	A7D	Sulfate, total	mg/L	65.3	65.3	202	No Exceedance
PZ-4C	UA	Compliance	11/19/2024	A7DR	Sulfate, total	mg/L	68.5	68.5	202	No Exceedance
PZ-4C	UA	Compliance	03/06/2024	A7	Total Dissolved Solids	mg/L	630	630	685	No Exceedance
PZ-4C	UA	Compliance	05/21/2024	A7R	Total Dissolved Solids	mg/L	625 J	625	685	No Exceedance
PZ-4C	UA	Compliance	08/21/2024	A7D	Total Dissolved Solids	mg/L	570	570	685	No Exceedance
PZ-4C	UA	Compliance	11/19/2024	A7DR	Total Dissolved Solids	mg/L	591 J	591	685	No Exceedance

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

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
HSU = hydrostratigraphic unit:
UA = Uppermost Aquifer
USCU = Upper Semi-Confining 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.
UJ = The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
Statistically Significant Increase (SSI) Type:
No Exceedance: No exceedance of the background.
Exceedance Not Confirmed: An exceedance was determined in the parent event, a resample was collected, and the resample did not confirm the exceedance; or an exceedance was not determined in the parent event but a subsequent sample collected exhibited a concentration higher than background.
Reported: An exceedance in the parent event was observed and reported.
Confirmed: A resample confirmed an observed exceedance in the parent event.
SU = Standard Units

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TABLE 3
ANALYTICAL RESULTS - APPENDIX IV PARAMETERS
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
KINCAID POWER PLANT
ASH POND
KINCAID, 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-1	B	03/04/2024	A7	0.0004 U	0.0004 J	0.0534	0.0002 U	0.0002 U	0.00180	0.0003 J	0.180	0.0006 U	0.0022 J	0.00006 U	0.001 J	0.387	0.0006 U	0.001 U
MW-1	B	05/20/2024	A7R	0.00130	0.00200	0.103	0.0002 U	0.0002 U	0.00970	0.00260	0.190	0.00250	0.00400	0.00006 J	0.00190	1.75	0.0006 U	0.001 U
MW-1	B	08/19/2024	A7D	0.0008 J	0.0005 J	0.0661	0.0002 U	0.0002 U	0.0009 J	0.0006 J	0.12 J	0.0006 U	0.0019 J	0.00006 U	0.0007 J	0.811	0.0006 U	0.001 U
MW-1	B	11/18/2024	A7DR	0.0004 U	0.0004 U	0.0553	0.0002 U	0.0002 U	0.0007 U	0.0001 J	0.2 U	0.0006 U	0.0019 J	0.00006 U	0.0006 U	0.0144	0.0006 U	0.001 U
MW-2	B	03/04/2024	A7	0.0004 U	0.00230	0.126	0.0003 J	0.0002 U	0.00610	0.00140	0.430	0.00190	0.00870	0.00006 U	0.00500	0.153	0.0006 U	0.001 U
MW-2	B	05/20/2024	A7R	0.0007 U	0.00120	0.108	0.0002 U	0.0002 U	0.00150	0.0004 J	0.470	0.00100 J	0.00500	0.00006 U	0.00450	0.634	0.0006 U	0.001 U
MW-2	B	08/19/2024	A7D	0.00130	0.00200	0.132	0.0002 U	0.0002 U	0.00490	0.00150	0.38 J	0.00140	0.00800	0.00006 U	0.00580	0.530	0.0006 U	0.001 U
MW-2	B	11/18/2024	A7DR	0.0004 U	0.00150	0.117	0.0002 U	0.0002 U	0.0014 J	0.0006 J	0.38 J	0.0006 U	0.00480	0.00006 U	0.00430	0.757	0.0006 U	0.001 U
MW-3	C	03/04/2024	A7	0.0004 U	0.0005 J	0.0478	0.0002 U	0.0002 U	0.0008 U	0.00210	0.220	0.0006 U	0.0021 J	0.00006 U	0.0009 J	0.395	0.0006 U	0.0017 J
MW-3	C	05/20/2024	A7R	0.0007 U	0.0004 U	0.0419	0.0002 U	0.0002 U	0.0007 U	0.0006 J	0.230	0.0006 U	0.0016 J	0.00009 J	0.0006 J	0.635	0.0006 U	0.001 U
MW-3	C	08/19/2024	A7D	0.0006 J	0.0004 U	0.0436	0.0002 U	0.0002 U	0.0007 U	0.0001 J	0.15 J	0.0006 U	0.0021 J	0.00006 U	0.0006 U	0.206	0.0006 U	0.001 U
MW-3	C	11/18/2024	A7DR	0.0004 U	0.0004 U	0.0426	0.0002 U	0.0002 U	0.0007 U	0.0005 J	0.2 U	0.0006 U	0.0022 J	0.00006 U	0.0006 U	0.0257	0.0006 U	0.001 U
MW-5	C	03/04/2024	A7	0.0004 U	0.00180	0.161	0.0002 U	0.0002 U	0.00300	0.00140	0.150	0.00140	0.00400	0.00006 U	0.00200	1.34	0.0006 U	0.0012 U
MW-5	C	05/20/2024	A7R	0.0007 U	0.00280	0.195	0.0002 U	0.0002 U	0.00290	0.00240	0.170	0.00100	0.00450	0.0001 J	0.0012 J	0.183	0.0006 U	0.001 U
MW-5	C	08/19/2024	A7D	0.0004 U	0.00140	0.175	0.0002 U	0.0002 U	0.00480	0.00160	0.06 J	0.00140	0.00510	0.00006 U	0.0007 J	0.325	0.0006 U	0.001 U
MW-5	C	11/19/2024	A7DR	0.0004 U	0.00190	0.245	0.0002 U	0.0002 U	0.0007 J	0.00140	0.2 U	0.0006 U	0.00370	0.00006 U	0.0011 J	0.177	0.0006 U	0.001 U
MW-6	C	03/05/2024	A7	0.0004 U	0.0004 J	0.0408	0.0002 U	0.0002 U	0.00280	0.0003 J	0.180	0.0006 U	0.0015 U	0.00013 U	0.0006 U	0.724	0.0008 J	0.001 U
MW-6	C	05/20/2024	A7R	0.0004 U	0.0004 U	0.0371	0.0002 U	0.0002 U	0.0012 J	0.0002 J	0.210	0.0006 U	0.0015 U	0.00009 J	0.0006 U	0.605	0.00140	0.001 U
MW-6	C	08/20/2024	A7D	0.0004 U	0.0007 J	0.0572	0.0002 U	0.0002 U	0.00490	0.00140	0.12 J	0.00220	0.00420	0.00006 U	0.0006 U	0.607	0.0006 U	0.001 U
MW-6	C	11/18/2024	A7DR	0.0004 U	0.0004 U	0.0414	0.0002 U	0.0002 U	0.0011 J	0.0001 J	0.2 U	0.0006 U	0.0015 U	0.00006 U	0.0006 U	0.107	0.0006 U	0.001 U
MW-7	C	03/05/2024	A7	0.0004 U	0.00120	0.0394	0.0002 U	0.0002 U	0.0014 J	0.00100	0.260	0.0006 U	0.0025 J	0.00013 U	0.00190	0.399	0.0006 U	0.001 U
MW-7	C	05/20/2024	A7R	0.0004 U	0.00170	0.0395	0.0002 U	0.0002 U	0.0012 J	0.00190	0.260	0.0007 J	0.0022 J	0.00006 U	0.00230	0.384	0.0006 U	0.001 U
MW-7	C	08/20/2024	A7D	0.0004 U	0.00250	0.0942	0.0002 U	0.0002 U	0.0007 U	0.00290	0.19 J	0.0006 U	0.0029 J	0.00006 U	0.00220	2.46	0.0006 U	0.001 U
MW-7	C	11/18/2024	A7DR	0.0004 U	0.00310	0.0667	0.0002 U	0.0002 U	0.0007 U	0.00220	0.25 J	0.0006 U	0.00410	0.00006 U	0.00170	0.465	0.0006 U	0.001 U
MW-7S	C	03/04/2024	A7	0.0004 U	0.00690	0.0390	0.0002 U	0.0002 U	0.00250	0.0008 J	0.290	0.0006 U	0.0015 U	0.00006 U	0.0014 J	0.608	0.0006 U	0.001 U
MW-7S	C	05/20/2024	A7R	0.001 UJ	0.00890	0.0471	0.0002 U	0.0002 U	0.00410	0.00160	0.300	0.0006 U	0.0015 U	0.00009 J	0.00180	0.589	0.0006 U	0.001 U
MW-7S	C	08/20/2024	A7D	0.0004 U	0.00940	0.0435	0.0002 U	0.0002 U	0.0008 J	0.00180	0.23 J	0.0006 U	0.0015 U	0.00006 U	0.001 J	0.868	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
KINCAID POWER PLANT
ASH POND
KINCAID, 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-7S	C	11/18/2024	A7DR	0.0004 U	0.00960	0.0393	0.0002 U	0.0002 U	0.0007 U	0.00120	0.25 J	0.0006 U	0.0015 U	0.00006 U	0.00150 J	0.168	0.0006 U	0.001 U
MW-8	C	03/05/2024	A7	0.0004 U	0.0004 U	0.0216	0.0002 U	0.0002 U	0.0013 J	0.00160	0.210	0.0006 U	0.0021 J	0.00013 U	0.0006 U	0.255	0.0006 U	0.001 U
MW-8	C	05/20/2024	A7R	0.001 UJ	0.0006 J	0.0222	0.0002 U	0.0002 U	0.0007 U	0.00200 J	0.220	0.0008 J	0.0018 J	0.00009 J	0.0007 J	0.122	0.0006 J	0.001 U
MW-8	C	08/20/2024	A7D	0.0004 U	0.0004 U	0.0276	0.0002 U	0.0002 U	0.0007 U	0.00120	0.12 J	0.0006 U	0.0021 J	0.00006 U	0.0006 U	0.440	0.0006 U	0.001 U
MW-8	C	11/18/2024	A7DR	0.0004 U	0.0004 U	0.0287	0.0002 U	0.0002 U	0.0007 U	0.00140	0.2 U	0.0006 U	0.002 J	0.00006 U	0.0006 U	0.116	0.0006 U	0.001 U
MW-8S	C	--	A7	NS[7]	NS[7]	NS[7]	NS[7]	NS[7]	NS[7]	NS[7]	NS[7]	NS[7]	NS[7]	NS[7]	NS[7]	NS[7]	NS[7]	NS[7]
MW-8S	C	--	A7R	NS[7]	NS[7]	NS[7]	NS[7]	NS[7]	NS[7]	NS[7]	NS[7]	NS[7]	NS[7]	NS[7]	NS[7]	NS[7]	NS[7]	NS[7]
MW-8S	C	--	A7D	NS[7]	NS[7]	NS[7]	NS[7]	NS[7]	NS[7]	NS[7]	NS[7]	NS[7]	NS[7]	NS[7]	NS[7]	NS[7]	NS[7]	NS[7]
MW-8S	C	--	A7DR	NS[7]	NS[7]	NS[7]	NS[7]	NS[7]	NS[7]	NS[7]	NS[7]	NS[7]	NS[7]	NS[7]	NS[7]	NS[7]	NS[7]	NS[7]
MW-11	C	03/05/2024	A7	0.0004 U	0.0005 J	0.114	0.0002 U	0.0002 U	0.0012 J	0.0003 J	0.440	0.0006 U	0.002 J	0.00013 U	0.00260	0.560	0.0006 U	0.001 U
MW-11	C	05/20/2024	A7R	0.0007 U	0.0006 J	0.113	0.0002 U	0.0002 U	0.0007 U	0.0002 J	0.470	0.0006 U	0.0021 J	0.00009 J	0.00190	0.588	0.0006 U	0.001 U
MW-11	C	08/20/2024	A7D	0.0004 U	0.0007 J	0.115	0.0002 U	0.0002 U	0.0007 U	0.0006 J	0.43 J	0.0319	0.00320	0.00006 U	0.00210	1.04	0.0006 U	0.001 U
MW-11	C	11/18/2024	A7DR	0.0004 U	0.0006 J	0.116	0.0002 U	0.0002 U	0.0007 U	0.0003 J	0.41 J	0.0006 U	0.0023 J	0.00006 U	0.00200	0.506	0.0006 U	0.001 U
MW-12	C	03/05/2024	A7	0.0004 U	0.00190	0.143	0.0002 U	0.0002 U	0.00210	0.0003 J	0.220	0.00110	0.0103	0.00013 U	0.00160	0.742	0.0006 U	0.001 U
MW-12	C	05/20/2024	A7R	0.0007 U	0.0004 U	0.0841	0.0002 U	0.0002 U	0.0007 U	0.0003 J	0.170	0.0006 U	0.00890	0.00009 J	0.0007 J	0.876	0.0006 U	0.001 U
MW-12	C	08/20/2024	A7D	0.0007 J	0.0005 J	0.0779	0.0002 U	0.0002 U	0.0009 J	0.0002 J	0.11 J	0.0006 U	0.00980	0.00006 U	0.0009 J	0.793	0.0006 U	0.001 U
MW-12	C	11/19/2024	A7DR	0.0004 U	0.00140	0.103	0.0002 U	0.0002 U	0.0007 U	0.0001 J	0.2 U	0.0006 U	0.0138	0.00006 U	0.0013 J	0.184	0.0006 U	0.001 U
MW-20	C	03/05/2024	A7	0.0004 U	0.0006 J	0.0922	0.0002 U	0.0002 U	0.00150 J	0.0004 J	0.330	0.0006 U	0.00450	0.00013 U	0.00320	0.354	0.0006 U	0.001 U
MW-20	C	05/20/2024	A7R	0.0007 U	0.0004 J	0.0872	0.0002 U	0.0002 U	0.0008 J	0.0002 J	0.330	0.0006 U	0.00450	0.00009 J	0.00250	0.617	0.0006 U	0.001 U
MW-20	C	08/21/2024	A7D	0.0004 U	0.0006 J	0.0975	0.0002 U	0.0002 U	0.00180	0.0005 J	0.28 J	0.0006 U	0.00400	0.00006 U	0.00340	0.628	0.0006 U	0.001 U
MW-20	C	11/18/2024	A7DR	0.0004 U	0.0004 U	0.0888	0.0002 U	0.0002 U	0.0007 U	0.0002 J	0.27 J	0.0006 U	0.00470	0.00006 U	0.00290	0.640	0.0006 U	0.001 U
MW-20S	C	03/04/2024	A7	0.0004 U	0.0004 U	0.0328	0.0002 U	0.0002 U	0.0014 J	0.0004 J	0.160	0.0006 U	0.0015 U	0.00006 U	0.0006 U	0.505	0.0006 U	0.0012 U
MW-20S	C	05/21/2024	A7R	0.0005 J	0.0004 J	0.0359	0.0002 U	0.0002 U	0.0013 J	0.0003 J	0.190	0.0008 J	0.0015 U	0.0001 J	0.0006 U	0.172	0.0006 U	0.001 U
MW-20S	C	08/20/2024	A7D	0.0004 U	0.0004 U	0.0363	0.0002 U	0.0002 U	0.0007 J	0.0002 J	0.12 J	0.0006 U	0.0015 U	0.00006 U	0.0006 J	0.450	0.0006 U	0.001 U
MW-20S	C	11/19/2024	A7DR	0.0004 U	0.00110	0.0370	0.0002 U	0.0002 U	0.0007 U	0.0002 J	0.2 U	0.0006 U	0.0015 U	0.00006 U	0.0006 U	0.600	0.0006 U	0.001 U
MW-23	C	03/05/2024	A7	0.0004 U	0.00120	0.0928	0.0002 U	0.0002 U	0.0013 J	0.0006 J	0.340	0.0006 U	0.0015 U	0.00013 U	0.0013 J	0.690	0.0006 U	0.001 U
MW-23	C	05/20/2024	A7R	0.0004 U	0.00230	0.0857	0.0002 U	0.0002 U	0.0007 U	0.00150	0.340	0.0006 U	0.0015 U	0.0001 J	0.0011 J	0	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
KINCAID POWER PLANT
ASH POND
KINCAID, 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-23	C	08/21/2024	A7D	0.0005 J	0.00320	0.109	0.0002 U	0.0002 U	0.0007 U	0.0009 J	0.26 J	0.0006 U	0.0015 U	0.00006 U	0.001 J	0.619	0.0006 U	0.001 U
MW-23	C	11/18/2024	A7DR	0.0004 U	0.00270	0.104	0.0002 U	0.0002 U	0.0007 U	0.00110	0.28 J	0.0006 U	0.0015 U	0.00006 U	0.0007 J	0.132	0.0006 U	0.001 U
MW-27	C	03/05/2024	A7	0.00130	0.0114	0.201	0.0005 J	0.0002 J	0.0246	0.0103	0.170	0.0116	0.0108	0.00013 U	0.0101	1.23	0.0006 U	0.001 J
MW-27	C	05/21/2024	A7R	0.0007 U	0.00530	0.116	0.0005 J	0.0002 U	0.0323	0.00640	0.380	0.00930	0.0100	0.00013 J	0.00260	1.66	0.0006 U	0.001 U
MW-27	C	08/21/2024	A7D	0.0004 U	0.00400	0.122	0.0002 U	0.0002 U	0.00330	0.00360	0.15 J	0.00120	0.00350	0.00006 U	0.00270	0.919	0.0006 U	0.001 U
MW-27	C	--	A7DR	NS[7]	NS[7]	NS[7]	NS[7]	NS[7]	NS[7]	NS[7]	NS[7]	NS[7]	NS[7]	NS[7]	NS[7]	NS[7]	NS[7]	NS[7]
MW-28	C	03/06/2024	A7	0.0004 U	0.0006 J	0.0257	0.0002 U	0.0002 U	0.0009 J	0.0009 J	0.320	0.0006 U	0.00750	0.00006 U	0.0006 U	0.789	0.0006 U	0.001 U
MW-28	C	05/20/2024	A7R	0.0007 U	0.0005 J	0.0309	0.0002 U	0.0002 U	0.0007 U	0.0005 J	0.130	0.0006 U	0.00800	0.00006 U	0.0006 U	0.128	0.0006 U	0.001 U
MW-28	C	08/20/2024	A7D	0.0004 U	0.0004 U	0.0249	0.0002 U	0.0002 U	0.0007 U	0.0005 J	0.03 U	0.0006 U	0.00600	0.00006 U	0.0006 U	0.692	0.0006 U	0.001 U
MW-28	C	11/19/2024	A7DR	0.0004 U	0.0005 J	0.0314	0.0002 U	0.0002 U	0.0007 U	0.0007 J	0.2 U	0.0006 U	0.00580	0.00006 U	0.0006 U	0.431	0.0006 U	0.001 U
MW-30	C	03/06/2024	A7	0.0004 U	0.00660	0.152	0.0002 U	0.0002 U	0.001 J	0.00400	0.560	0.0006 U	0.0015 U	0.00006 U	0.00220	1.52	0.0006 U	0.001 U
MW-30	C	05/20/2024	A7R	0.0004 U	0.0111	0.160	0.0002 U	0.0002 U	0.0007 U	0.00260	0.330	0.0006 U	0.0015 U	0.00006 U	0.00150 J	0.412	0.0006 U	0.001 U
MW-30	C	08/20/2024	A7D	0.0004 U	0.0133	0.179	0.0002 U	0.0002 U	0.0007 U	0.00170	0.23 J	0.0006 U	0.0015 U	0.00006 U	0.0012 J	0.797	0.0006 U	0.001 U
MW-30	C	11/19/2024	A7DR	0.0004 U	0.0211	0.192	0.0002 U	0.0002 U	0.0007 U	0.00240	0.29 J	0.0006 U	0.0015 U	0.00006 U	0.00170	0.650	0.0006 U	0.001 U
MW-31	C	03/06/2024	A7	0.0004 U	0.00320	0.187	0.0002 U	0.0002 U	0.0008 U	0.00120	0.390	0.0006 U	0.00660	0.00006 U	0.0007 J	1.44	0.0006 U	0.001 U
MW-31	C	05/21/2024	A7R	0.0004 U	0.00320	0.204	0.0002 U	0.0002 U	0.0007 U	0.00130	0.240	0.0006 U	0.00340	0.00006 U	0.0007 J	0.419	0.0006 U	0.001 U
MW-31	C	08/21/2024	A7D	0.0004 U	0.00220	0.219	0.0002 U	0.0002 U	0.0007 U	0.0007 J	0.06 J	0.0006 U	0.00430	0.00006 U	0.0006 U	0.679	0.0006 U	0.001 U
MW-31	C	11/18/2024	A7DR	0.0004 U	0.00620	0.206	0.0002 U	0.0002 U	0.0007 U	0.00100 J	0.2 U	0.0006 U	0.00410	0.00006 U	0.0006 U	0.473	0.0006 U	0.001 U
MW-31S	C	03/04/2024	A7	0.0004 U	0.0113	0.234	0.0002 U	0.0002 U	0.0012 J	0.00480	0.290	0.0008 J	0.0015 U	0.00013 U	0.0007 J	1.28	0.0007 J	0.001 U
MW-31S	C	05/21/2024	A7R	0.0004 U	0.00520	0.216	0.0002 U	0.0002 U	0.001 J	0.00120	0.210	0.0006 U	0.00400	0.00006 U	0.001 J	0.871	0.0006 U	0.001 U
MW-31S	C	08/21/2024	A7D	0.0004 U	0.0166	0.262	0.0002 U	0.0002 U	0.0007 U	0.00120	0.08 J	0.0006 U	0.002 J	0.00006 U	0.0006 U	1.10	0.0006 U	0.001 U
MW-31S	C	11/19/2024	A7DR	0.0004 U	0.0211	0.274	0.0002 U	0.0002 U	0.001 J	0.00330	0.2 U	0.0006 U	0.0015 U	0.00006 U	0.0008 J	0.542	0.0006 U	0.001 U
MW-32	C	03/06/2024	A7	0.0004 U	0.0007 J	0.0462	0.0002 U	0.0002 U	0.0009 J	0.0008 J	0.400	0.0006 U	0.0019 J	0.00006 U	0.0006 U	1.42	0.0006 U	0.001 U
MW-32	C	05/20/2024	A7R	0.0004 U	0.0004 U	0.0441	0.0002 U	0.0002 U	0.0007 U	0.0004 J	0.170	0.0006 U	0.0015 J	0.00006 U	0.0006 U	0.287	0.0006 U	0.001 U
MW-32	C	08/20/2024	A7D	0.00150	0.0004 U	0.0497	0.0002 U	0.0002 U	0.0007 U	0.0005 J	0.07 J	0.0006 U	0.0018 J	0.00006 U	0.0006 U	0.343	0.0006 U	0.001 U
MW-32	C	11/18/2024	A7DR	0.0004 U	0.0004 U	0.0443	0.0002 U	0.0002 U	0.0007 U	0.0005 J	0.2 U	0.0006 U	0.0015 J	0.00006 U	0.0006 U	0.738	0.0006 U	0.001 U
PZ-4C	C	03/06/2024	A7	0.00270	0.00180	0.247	0.0002 U	0.0002 U	0.00150 J	0.0002 J	0.340	0.0006 J	0.00990	0.00006 U	0.00170	1.79	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
KINCAID POWER PLANT
ASH POND
KINCAID, 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-4C	C	05/21/2024	A7R	0.0004 U	0.00120	0.251	0.0002 U	0.0002 U	0.00160	0.0005 J	0.380	0.0007 J	0.00680	0.00006 U	0.001 J	1.47	0.0006 U	0.001 U
PZ-4C	C	08/21/2024	A7D	0.0004 U	0.00220	0.295	0.0002 U	0.0002 U	0.00760	0.00260	0.3 J	0.00400	0.0119	0.00006 U	0.0006 J	1.05	0.0006 U	0.001 U
PZ-4C	C	11/19/2024	A7DR	0.0004 U	0.00140	0.264	0.0002 U	0.0002 U	0.0012 J	0.0005 J	0.32 J	0.0006 U	0.00810	0.00006 U	0.0014 J	1.32	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.
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
ID = identification
mg/L = milligrams per liter
pCi/L = picoCuries per liter
Result Code (if applicable):
NR[1] = Parameter not analyzed.
NS[1] = Well has been, or will be, abandoned; therefore, a sample was not collected.
NS[2] = Well either needs or was undergoing maintenance; therefore, a sample was not collected.
NS[3] = The location was not accessible; therefore, a sample was not collected.
NS[4] = The location could not be found; therefore, a sample was not collected.
NS[5] = The location was damaged; therefore, a sample was not collected.
NS[6] = Sampling pump could not yield a sample.
NS[7] = Well was either dry or purged dry and did not recover sufficiently to yield adequate volume for a sample.
NS[8] = A sample was not collected.
PM[1] = Parameter not analyzed as the well purged dry during sample collection and did not sufficiently recover to yield adequate sample volume for analysis.
Well Type:
B = Background
C = Compliance

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

Parameter	Date Range	Sample Count	Percent Non-Detects	Statistical Calculation	Statistical Background Value (LPL/UPL)
Boron (mg/L)	12/15/2015 - 07/18/2017	16	0	Non-parametric UPL	0.273
Calcium (mg/L)	12/15/2015 - 07/18/2017	16	0	Non-parametric UPL	105
Chloride (mg/L)	12/15/2015 - 07/18/2017	16	0	Parametric UPL	17.8
Fluoride (mg/L)	12/15/2015 - 07/18/2017	16	0	Non-parametric UPL	0.470
pH (field) (SU)	12/15/2015 - 07/18/2017	16	0	Parametric LPL/UPL	6.3/7.7
Sulfate (mg/L)	12/15/2015 - 07/18/2017	16	0	Parametric UPL	202
Total Dissolved Solids (mg/L)	12/15/2015 - 07/18/2017	16	0	Parametric UPL	685

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

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TABLE 5
GROUNDWATER PROTECTION STANDARDS
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
KINCAID POWER PLANT
ASH POND
KINCAID, 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)	12/15/2015 - 07/18/2017	16	100	All ND - Last Reporting Limit	0.001	0.006	0.006	MCL/HBL
Arsenic (mg/L)	12/15/2015 - 07/18/2017	16	75	Non-parametric UTL	0.00220	0.010	0.010	MCL/HBL
Barium (mg/L)	12/15/2015 - 07/18/2017	16	0	Non-parametric UTL	0.127	2.0	2.0	MCL/HBL
Beryllium (mg/L)	12/15/2015 - 07/18/2017	16	100	All ND - Last Reporting Limit	0.001	0.004	0.004	MCL/HBL
Cadmium (mg/L)	12/15/2015 - 07/18/2017	16	100	All ND - Last Reporting Limit	0.001	0.005	0.005	MCL/HBL
Chromium (mg/L)	12/15/2015 - 07/18/2017	16	81	Non-parametric UTL	0.00250	0.1	0.1	MCL/HBL
Cobalt (mg/L)	12/15/2015 - 07/18/2017	16	94	Non-parametric UTL	0.00120	0.006	0.006	MCL/HBL
Fluoride (mg/L)	12/15/2015 - 07/18/2017	16	0	Non-parametric UTL	0.470	4.0	4.0	MCL/HBL
Lead (mg/L)	12/15/2015 - 07/18/2017	16	94	Non-parametric UTL	0.00140	0.015	0.015	MCL/HBL
Lithium (mg/L)	12/15/2015 - 07/18/2017	16	0	Non-parametric UTL	0.00680	0.04	0.04	MCL/HBL
Mercury (mg/L)	12/15/2015 - 07/18/2017	16	100	All ND - Last Reporting Limit	0.0002	0.002	0.002	MCL/HBL
Molybdenum (mg/L)	12/15/2015 - 07/18/2017	16	50	Non-parametric UTL	0.00530	0.1	0.1	MCL/HBL
Radium 226 + Radium 228 (pCi/L)	12/15/2015 - 07/18/2017	16	0	Parametric UTL	1.96	5	5	MCL/HBL
Selenium (mg/L)	12/15/2015 - 07/18/2017	16	88	Non-parametric UTL	0.00480	0.05	0.05	MCL/HBL
Thallium (mg/L)	12/15/2015 - 07/18/2017	16	100	All ND - Last Reporting Limit	0.001	0.002	0.002	MCL/HBL

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

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

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-3	UA	A7	Antimony, total	mg/L	12/15/15 - 03/04/24	27	96	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-3	UA	A7R	Antimony, total	mg/L	12/15/15 - 05/20/24	28	96	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-3	UA	A7D	Antimony, total	mg/L	12/15/15 - 08/19/24	29	96	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-3	UA	A7DR	Antimony, total	mg/L	12/15/15 - 11/18/24	30	96	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-3	UA	A7	Arsenic, total	mg/L	12/15/15 - 03/04/24	27	100	All ND - Last	0.001	0.010	MCL/HBL	No Exceedance
MW-3	UA	A7R	Arsenic, total	mg/L	12/15/15 - 05/20/24	28	100	All ND - Last	0.001	0.010	MCL/HBL	No Exceedance
MW-3	UA	A7D	Arsenic, total	mg/L	12/15/15 - 08/19/24	29	100	All ND - Last	0.001	0.010	MCL/HBL	No Exceedance
MW-3	UA	A7DR	Arsenic, total	mg/L	12/15/15 - 11/18/24	30	100	All ND - Last	0.001	0.010	MCL/HBL	No Exceedance
MW-3	UA	A7	Barium, total	mg/L	12/15/15 - 03/04/24	27	0	CI around median	0.0461	2.0	MCL/HBL	No Exceedance
MW-3	UA	A7R	Barium, total	mg/L	12/15/15 - 05/20/24	28	0	CI around median	0.0453	2.0	MCL/HBL	No Exceedance
MW-3	UA	A7D	Barium, total	mg/L	12/15/15 - 08/19/24	29	0	CI around median	0.0453	2.0	MCL/HBL	No Exceedance
MW-3	UA	A7DR	Barium, total	mg/L	12/15/15 - 11/18/24	30	0	CI around median	0.0451	2.0	MCL/HBL	No Exceedance
MW-3	UA	A7	Beryllium, total	mg/L	12/15/15 - 03/04/24	27	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-3	UA	A7R	Beryllium, total	mg/L	12/15/15 - 05/20/24	28	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-3	UA	A7D	Beryllium, total	mg/L	12/15/15 - 08/19/24	29	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-3	UA	A7DR	Beryllium, total	mg/L	12/15/15 - 11/18/24	30	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-3	UA	A7	Cadmium, total	mg/L	12/15/15 - 03/04/24	27	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-3	UA	A7R	Cadmium, total	mg/L	12/15/15 - 05/20/24	28	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-3	UA	A7D	Cadmium, total	mg/L	12/15/15 - 08/19/24	29	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-3	UA	A7DR	Cadmium, total	mg/L	12/15/15 - 11/18/24	30	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-3	UA	A7	Chromium, total	mg/L	12/15/15 - 03/04/24	27	96	CB around T-S line	0.00150	0.1	MCL/HBL	No Exceedance
MW-3	UA	A7R	Chromium, total	mg/L	12/15/15 - 05/20/24	28	96	CB around T-S line	0.00150	0.1	MCL/HBL	No Exceedance
MW-3	UA	A7D	Chromium, total	mg/L	12/15/15 - 08/19/24	29	96	CB around T-S line	0.00150	0.1	MCL/HBL	No Exceedance
MW-3	UA	A7DR	Chromium, total	mg/L	12/15/15 - 11/18/24	30	96	CB around T-S line	0.00150	0.1	MCL/HBL	No Exceedance
MW-3	UA	A7	Cobalt, total	mg/L	12/15/15 - 03/04/24	27	85	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-3	UA	A7R	Cobalt, total	mg/L	12/15/15 - 05/20/24	28	85	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-3	UA	A7D	Cobalt, total	mg/L	12/15/15 - 08/19/24	29	86	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
KINCAID POWER PLANT
ASH POND
KINCAID, IL

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-3	UA	A7DR	Cobalt, total	mg/L	12/15/15 - 11/18/24	30	86	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-3	UA	A7	Fluoride, total	mg/L	12/15/15 - 03/04/24	27	0	CI around mean	0.242	4.0	MCL/HBL	No Exceedance
MW-3	UA	A7R	Fluoride, total	mg/L	12/15/15 - 05/20/24	28	0	CI around mean	0.241	4.0	MCL/HBL	No Exceedance
MW-3	UA	A7D	Fluoride, total	mg/L	12/15/15 - 08/19/24	29	3	CI around mean	0.242	4.0	MCL/HBL	No Exceedance
MW-3	UA	A7DR	Fluoride, total	mg/L	12/15/15 - 11/18/24	30	6	CI around mean	0.242	4.0	MCL/HBL	No Exceedance
MW-3	UA	A7	Lead, total	mg/L	12/15/15 - 03/04/24	27	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
MW-3	UA	A7R	Lead, total	mg/L	12/15/15 - 05/20/24	28	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
MW-3	UA	A7D	Lead, total	mg/L	12/15/15 - 08/19/24	29	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
MW-3	UA	A7DR	Lead, total	mg/L	12/15/15 - 11/18/24	30	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
MW-3	UA	A7	Lithium, total	mg/L	02/25/21 - 03/04/24	13	92	CI around median	0.00300	0.04	MCL/HBL	No Exceedance
MW-3	UA	A7R	Lithium, total	mg/L	02/25/21 - 05/20/24	14	92	CI around median	0.00300	0.04	MCL/HBL	No Exceedance
MW-3	UA	A7D	Lithium, total	mg/L	02/25/21 - 08/19/24	15	93	CI around median	0.00300	0.04	MCL/HBL	No Exceedance
MW-3	UA	A7DR	Lithium, total	mg/L	02/25/21 - 11/18/24	16	93	CI around median	0.00300	0.04	MCL/HBL	No Exceedance
MW-3	UA	A7	Mercury, total	mg/L	12/15/15 - 03/04/24	27	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-3	UA	A7R	Mercury, total	mg/L	12/15/15 - 05/20/24	28	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-3	UA	A7D	Mercury, total	mg/L	12/15/15 - 08/19/24	29	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-3	UA	A7DR	Mercury, total	mg/L	12/15/15 - 11/18/24	30	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-3	UA	A7	Molybdenum, total	mg/L	02/25/21 - 03/04/24	13	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
MW-3	UA	A7R	Molybdenum, total	mg/L	02/25/21 - 05/20/24	14	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
MW-3	UA	A7D	Molybdenum, total	mg/L	02/25/21 - 08/19/24	15	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
MW-3	UA	A7DR	Molybdenum, total	mg/L	02/25/21 - 11/18/24	16	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
MW-3	UA	A7	Radium 226 + Radium 228, total	pCi/L	11/06/17 - 03/04/24	23	0	CI around median	0.271	5	MCL/HBL	No Exceedance
MW-3	UA	A7R	Radium 226 + Radium 228, total	pCi/L	11/06/17 - 05/20/24	24	0	CI around median	0.360	5	MCL/HBL	No Exceedance
MW-3	UA	A7D	Radium 226 + Radium 228, total	pCi/L	11/06/17 - 08/19/24	25	0	CI around median	0.271	5	MCL/HBL	No Exceedance
MW-3	UA	A7DR	Radium 226 + Radium 228, total	pCi/L	11/06/17 - 11/18/24	26	0	CI around median	0.271	5	MCL/HBL	No Exceedance
MW-3	UA	A7	Selenium, total	mg/L	12/15/15 - 03/04/24	27	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-3	UA	A7R	Selenium, total	mg/L	12/15/15 - 05/20/24	28	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
KINCAID POWER PLANT
ASH POND
KINCAID, IL

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-3	UA	A7D	Selenium, total	mg/L	12/15/15 - 08/19/24	29	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-3	UA	A7DR	Selenium, total	mg/L	12/15/15 - 11/18/24	30	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-3	UA	A7	Thallium, total	mg/L	12/15/15 - 03/04/24	27	96	CB around T-S line	0.00200	0.002	MCL/HBL	No Exceedance
MW-3	UA	A7R	Thallium, total	mg/L	12/15/15 - 05/20/24	28	96	CB around T-S line	0.00200	0.002	MCL/HBL	No Exceedance
MW-3	UA	A7D	Thallium, total	mg/L	12/15/15 - 08/19/24	29	96	CB around T-S line	0.00200	0.002	MCL/HBL	No Exceedance
MW-3	UA	A7DR	Thallium, total	mg/L	12/15/15 - 11/18/24	30	96	CB around T-S line	0.00200	0.002	MCL/HBL	No Exceedance
MW-5	UA	A7	Antimony, total	mg/L	12/15/15 - 03/04/24	29	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-5	UA	A7R	Antimony, total	mg/L	12/15/15 - 05/20/24	30	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-5	UA	A7D	Antimony, total	mg/L	12/15/15 - 08/19/24	31	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-5	UA	A7DR	Antimony, total	mg/L	12/15/15 - 11/19/24	32	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-5	UA	A7	Arsenic, total	mg/L	12/15/15 - 03/04/24	31	83	CB around T-S line	0.00100	0.010	MCL/HBL	No Exceedance
MW-5	UA	A7R	Arsenic, total	mg/L	12/15/15 - 05/20/24	32	81	CB around T-S line	0.00100	0.010	MCL/HBL	No Exceedance
MW-5	UA	A7D	Arsenic, total	mg/L	12/15/15 - 08/19/24	33	78	CB around T-S line	0.00100	0.010	MCL/HBL	No Exceedance
MW-5	UA	A7DR	Arsenic, total	mg/L	12/15/15 - 11/19/24	34	76	CB around T-S line	0.00100	0.010	MCL/HBL	No Exceedance
MW-5	UA	A7	Barium, total	mg/L	12/15/15 - 03/04/24	31	0	CB around linear reg	0.145	2.0	MCL/HBL	No Exceedance
MW-5	UA	A7R	Barium, total	mg/L	12/15/15 - 05/20/24	32	0	CB around T-S line	0.147	2.0	MCL/HBL	No Exceedance
MW-5	UA	A7D	Barium, total	mg/L	12/15/15 - 08/19/24	33	0	CB around T-S line	0.147	2.0	MCL/HBL	No Exceedance
MW-5	UA	A7DR	Barium, total	mg/L	12/15/15 - 11/19/24	34	0	CB around T-S line	0.150	2.0	MCL/HBL	No Exceedance
MW-5	UA	A7	Beryllium, total	mg/L	12/15/15 - 03/04/24	29	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-5	UA	A7R	Beryllium, total	mg/L	12/15/15 - 05/20/24	30	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-5	UA	A7D	Beryllium, total	mg/L	12/15/15 - 08/19/24	31	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-5	UA	A7DR	Beryllium, total	mg/L	12/15/15 - 11/19/24	32	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-5	UA	A7	Cadmium, total	mg/L	12/15/15 - 03/04/24	28	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-5	UA	A7R	Cadmium, total	mg/L	12/15/15 - 05/20/24	29	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-5	UA	A7D	Cadmium, total	mg/L	12/15/15 - 08/19/24	30	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-5	UA	A7DR	Cadmium, total	mg/L	12/15/15 - 11/19/24	31	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-5	UA	A7	Chromium, total	mg/L	12/15/15 - 03/04/24	31	93	CB around T-S line	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
KINCAID POWER PLANT
ASH POND
KINCAID, IL

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-5	UA	A7R	Chromium, total	mg/L	12/15/15 - 05/20/24	32	90	CB around T-S line	0.00150	0.1	MCL/HBL	No Exceedance
MW-5	UA	A7D	Chromium, total	mg/L	12/15/15 - 08/19/24	33	87	CB around T-S line	0.00150	0.1	MCL/HBL	No Exceedance
MW-5	UA	A7DR	Chromium, total	mg/L	12/15/15 - 11/19/24	34	88	CB around T-S line	0.00150	0.1	MCL/HBL	No Exceedance
MW-5	UA	A7	Cobalt, total	mg/L	12/15/15 - 03/04/24	31	87	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-5	UA	A7R	Cobalt, total	mg/L	12/15/15 - 05/20/24	32	84	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-5	UA	A7D	Cobalt, total	mg/L	12/15/15 - 08/19/24	33	81	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-5	UA	A7DR	Cobalt, total	mg/L	12/15/15 - 11/19/24	34	79	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-5	UA	A7	Fluoride, total	mg/L	12/15/15 - 03/04/24	31	3	CI around median	0.160	4.0	MCL/HBL	No Exceedance
MW-5	UA	A7R	Fluoride, total	mg/L	12/15/15 - 05/20/24	32	3	CI around median	0.160	4.0	MCL/HBL	No Exceedance
MW-5	UA	A7D	Fluoride, total	mg/L	12/15/15 - 08/19/24	33	6	CB around T-S line	0.160	4.0	MCL/HBL	No Exceedance
MW-5	UA	A7DR	Fluoride, total	mg/L	12/15/15 - 11/19/24	34	8	CB around T-S line	0.167	4.0	MCL/HBL	No Exceedance
MW-5	UA	A7	Lead, total	mg/L	12/15/15 - 03/04/24	31	93	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
MW-5	UA	A7R	Lead, total	mg/L	12/15/15 - 05/20/24	32	90	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
MW-5	UA	A7D	Lead, total	mg/L	12/15/15 - 08/19/24	33	87	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
MW-5	UA	A7DR	Lead, total	mg/L	12/15/15 - 11/19/24	34	88	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
MW-5	UA	A7	Lithium, total	mg/L	12/15/15 - 03/04/24	23	34	CB around T-S line	0.00299	0.04	MCL/HBL	No Exceedance
MW-5	UA	A7R	Lithium, total	mg/L	12/15/15 - 05/20/24	24	33	CB around T-S line	0.00300	0.04	MCL/HBL	No Exceedance
MW-5	UA	A7D	Lithium, total	mg/L	12/15/15 - 08/19/24	25	32	CB around T-S line	0.00300	0.04	MCL/HBL	No Exceedance
MW-5	UA	A7DR	Lithium, total	mg/L	12/15/15 - 11/19/24	26	30	CB around T-S line	0.00300	0.04	MCL/HBL	No Exceedance
MW-5	UA	A7	Mercury, total	mg/L	12/15/15 - 03/04/24	28	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-5	UA	A7R	Mercury, total	mg/L	12/15/15 - 05/20/24	29	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-5	UA	A7D	Mercury, total	mg/L	12/15/15 - 08/19/24	30	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-5	UA	A7DR	Mercury, total	mg/L	12/15/15 - 11/19/24	31	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-5	UA	A7	Molybdenum, total	mg/L	12/15/15 - 03/04/24	23	95	CB around T-S line	0.00146	0.1	MCL/HBL	No Exceedance
MW-5	UA	A7R	Molybdenum, total	mg/L	12/15/15 - 05/20/24	24	95	CB around T-S line	0.00145	0.1	MCL/HBL	No Exceedance
MW-5	UA	A7D	Molybdenum, total	mg/L	12/15/15 - 08/19/24	25	96	CB around T-S line	0.00145	0.1	MCL/HBL	No Exceedance
MW-5	UA	A7DR	Molybdenum, total	mg/L	12/15/15 - 11/19/24	26	96	CB around T-S line	0.00146	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
KINCAID POWER PLANT
ASH POND
KINCAID, IL

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-5	UA	A7	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 03/04/24	32	0	CI around median	0.300	5	MCL/HBL	No Exceedance
MW-5	UA	A7R	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 05/20/24	33	0	CI around median	0.265	5	MCL/HBL	No Exceedance
MW-5	UA	A7D	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 08/19/24	34	0	CI around median	0.300	5	MCL/HBL	No Exceedance
MW-5	UA	A7DR	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 11/19/24	35	0	CI around median	0.265	5	MCL/HBL	No Exceedance
MW-5	UA	A7	Selenium, total	mg/L	12/15/15 - 03/04/24	31	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-5	UA	A7R	Selenium, total	mg/L	12/15/15 - 05/20/24	32	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-5	UA	A7D	Selenium, total	mg/L	12/15/15 - 08/19/24	33	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-5	UA	A7DR	Selenium, total	mg/L	12/15/15 - 11/19/24	34	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-5	UA	A7	Thallium, total	mg/L	12/15/15 - 03/04/24	28	96	CB around T-S line	0.00187	0.002	MCL/HBL	No Exceedance
MW-5	UA	A7R	Thallium, total	mg/L	12/15/15 - 05/20/24	29	96	CB around T-S line	0.00184	0.002	MCL/HBL	No Exceedance
MW-5	UA	A7D	Thallium, total	mg/L	12/15/15 - 08/19/24	30	96	CB around T-S line	0.00195	0.002	MCL/HBL	No Exceedance
MW-5	UA	A7DR	Thallium, total	mg/L	12/15/15 - 11/19/24	31	96	CB around T-S line	0.00200	0.002	MCL/HBL	No Exceedance
MW-6	UA	A7	Antimony, total	mg/L	12/15/15 - 03/05/24	29	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-6	UA	A7R	Antimony, total	mg/L	12/15/15 - 05/20/24	30	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-6	UA	A7D	Antimony, total	mg/L	12/15/15 - 08/20/24	31	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-6	UA	A7DR	Antimony, total	mg/L	12/15/15 - 11/18/24	32	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-6	UA	A7	Arsenic, total	mg/L	12/15/15 - 03/05/24	31	100	All ND - Last	0.001	0.010	MCL/HBL	No Exceedance
MW-6	UA	A7R	Arsenic, total	mg/L	12/15/15 - 05/20/24	32	100	All ND - Last	0.001	0.010	MCL/HBL	No Exceedance
MW-6	UA	A7D	Arsenic, total	mg/L	12/15/15 - 08/20/24	33	100	All ND - Last	0.001	0.010	MCL/HBL	No Exceedance
MW-6	UA	A7DR	Arsenic, total	mg/L	12/15/15 - 11/18/24	34	100	All ND - Last	0.001	0.010	MCL/HBL	No Exceedance
MW-6	UA	A7	Barium, total	mg/L	12/15/15 - 03/05/24	31	0	CB around T-S line	0.0372	2.0	MCL/HBL	No Exceedance
MW-6	UA	A7R	Barium, total	mg/L	12/15/15 - 05/20/24	32	0	CB around T-S line	0.0379	2.0	MCL/HBL	No Exceedance
MW-6	UA	A7D	Barium, total	mg/L	12/15/15 - 08/20/24	33	0	CB around linear reg	0.0381	2.0	MCL/HBL	No Exceedance
MW-6	UA	A7DR	Barium, total	mg/L	12/15/15 - 11/18/24	34	0	CB around T-S line	0.0379	2.0	MCL/HBL	No Exceedance
MW-6	UA	A7	Beryllium, total	mg/L	12/15/15 - 03/05/24	29	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-6	UA	A7R	Beryllium, total	mg/L	12/15/15 - 05/20/24	30	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-6	UA	A7D	Beryllium, total	mg/L	12/15/15 - 08/20/24	31	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
KINCAID POWER PLANT
ASH POND
KINCAID, IL

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-6	UA	A7DR	Beryllium, total	mg/L	12/15/15 - 11/18/24	32	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-6	UA	A7	Cadmium, total	mg/L	12/15/15 - 03/05/24	28	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-6	UA	A7R	Cadmium, total	mg/L	12/15/15 - 05/20/24	29	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-6	UA	A7D	Cadmium, total	mg/L	12/15/15 - 08/20/24	30	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-6	UA	A7DR	Cadmium, total	mg/L	12/15/15 - 11/18/24	31	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-6	UA	A7	Chromium, total	mg/L	12/15/15 - 03/05/24	31	83	CB around T-S line	0.00150	0.1	MCL/HBL	No Exceedance
MW-6	UA	A7R	Chromium, total	mg/L	12/15/15 - 05/20/24	32	84	CB around T-S line	0.00150	0.1	MCL/HBL	No Exceedance
MW-6	UA	A7D	Chromium, total	mg/L	12/15/15 - 08/20/24	33	81	CB around T-S line	0.00150	0.1	MCL/HBL	No Exceedance
MW-6	UA	A7DR	Chromium, total	mg/L	12/15/15 - 11/18/24	34	82	CB around T-S line	0.00150	0.1	MCL/HBL	No Exceedance
MW-6	UA	A7	Cobalt, total	mg/L	12/15/15 - 03/05/24	31	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-6	UA	A7R	Cobalt, total	mg/L	12/15/15 - 05/20/24	32	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-6	UA	A7D	Cobalt, total	mg/L	12/15/15 - 08/20/24	33	96	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-6	UA	A7DR	Cobalt, total	mg/L	12/15/15 - 11/18/24	34	97	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-6	UA	A7	Fluoride, total	mg/L	12/15/15 - 03/05/24	31	0	CI around mean	0.186	4.0	MCL/HBL	No Exceedance
MW-6	UA	A7R	Fluoride, total	mg/L	12/15/15 - 05/20/24	32	0	CB around linear reg	0.192	4.0	MCL/HBL	No Exceedance
MW-6	UA	A7D	Fluoride, total	mg/L	12/15/15 - 08/20/24	33	3	CB around linear reg	0.197	4.0	MCL/HBL	No Exceedance
MW-6	UA	A7DR	Fluoride, total	mg/L	12/15/15 - 11/18/24	34	5	CB around linear reg	0.202	4.0	MCL/HBL	No Exceedance
MW-6	UA	A7	Lead, total	mg/L	12/15/15 - 03/05/24	31	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
MW-6	UA	A7R	Lead, total	mg/L	12/15/15 - 05/20/24	32	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
MW-6	UA	A7D	Lead, total	mg/L	12/15/15 - 08/20/24	33	96	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
MW-6	UA	A7DR	Lead, total	mg/L	12/15/15 - 11/18/24	34	97	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
MW-6	UA	A7	Lithium, total	mg/L	12/15/15 - 03/05/24	23	86	CB around T-S line	0.00274	0.04	MCL/HBL	No Exceedance
MW-6	UA	A7R	Lithium, total	mg/L	12/15/15 - 05/20/24	24	87	CB around T-S line	0.00281	0.04	MCL/HBL	No Exceedance
MW-6	UA	A7D	Lithium, total	mg/L	12/15/15 - 08/20/24	25	84	CB around T-S line	0.00287	0.04	MCL/HBL	No Exceedance
MW-6	UA	A7DR	Lithium, total	mg/L	12/15/15 - 11/18/24	26	84	CB around T-S line	0.00291	0.04	MCL/HBL	No Exceedance
MW-6	UA	A7	Mercury, total	mg/L	12/15/15 - 03/05/24	28	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-6	UA	A7R	Mercury, total	mg/L	12/15/15 - 05/20/24	29	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
KINCAID POWER PLANT
ASH POND
KINCAID, IL

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-6	UA	A7D	Mercury, total	mg/L	12/15/15 - 08/20/24	30	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-6	UA	A7DR	Mercury, total	mg/L	12/15/15 - 11/18/24	31	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-6	UA	A7	Molybdenum, total	mg/L	12/15/15 - 03/05/24	23	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
MW-6	UA	A7R	Molybdenum, total	mg/L	12/15/15 - 05/20/24	24	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
MW-6	UA	A7D	Molybdenum, total	mg/L	12/15/15 - 08/20/24	25	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
MW-6	UA	A7DR	Molybdenum, total	mg/L	12/15/15 - 11/18/24	26	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
MW-6	UA	A7	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 03/05/24	32	0	CI around median	0.370	5	MCL/HBL	No Exceedance
MW-6	UA	A7R	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 05/20/24	33	0	CI around median	0.370	5	MCL/HBL	No Exceedance
MW-6	UA	A7D	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 08/20/24	34	0	CI around median	0.417	5	MCL/HBL	No Exceedance
MW-6	UA	A7DR	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 11/18/24	35	0	CI around median	0.370	5	MCL/HBL	No Exceedance
MW-6	UA	A7	Selenium, total	mg/L	12/15/15 - 03/05/24	31	93	CI around median	0.00100	0.05	MCL/HBL	No Exceedance
MW-6	UA	A7R	Selenium, total	mg/L	12/15/15 - 05/20/24	32	90	CI around median	0.00100	0.05	MCL/HBL	No Exceedance
MW-6	UA	A7D	Selenium, total	mg/L	12/15/15 - 08/20/24	33	90	CI around median	0.00100	0.05	MCL/HBL	No Exceedance
MW-6	UA	A7DR	Selenium, total	mg/L	12/15/15 - 11/18/24	34	91	CI around median	0.00100	0.05	MCL/HBL	No Exceedance
MW-6	UA	A7	Thallium, total	mg/L	12/15/15 - 03/05/24	28	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-6	UA	A7R	Thallium, total	mg/L	12/15/15 - 05/20/24	29	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-6	UA	A7D	Thallium, total	mg/L	12/15/15 - 08/20/24	30	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-6	UA	A7DR	Thallium, total	mg/L	12/15/15 - 11/18/24	31	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-7	UA	A7	Antimony, total	mg/L	12/15/15 - 03/05/24	29	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-7	UA	A7R	Antimony, total	mg/L	12/15/15 - 05/20/24	30	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-7	UA	A7D	Antimony, total	mg/L	12/15/15 - 08/20/24	31	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-7	UA	A7DR	Antimony, total	mg/L	12/15/15 - 11/18/24	32	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-7	UA	A7	Arsenic, total	mg/L	12/15/15 - 03/05/24	31	67	CI around median	0.00100	0.010	MCL/HBL	No Exceedance
MW-7	UA	A7R	Arsenic, total	mg/L	12/15/15 - 05/20/24	32	65	CI around median	0.00100	0.010	MCL/HBL	No Exceedance
MW-7	UA	A7D	Arsenic, total	mg/L	12/15/15 - 08/20/24	33	63	CI around median	0.00100	0.010	MCL/HBL	No Exceedance
MW-7	UA	A7DR	Arsenic, total	mg/L	12/15/15 - 11/18/24	34	61	CI around median	0.00100	0.010	MCL/HBL	No Exceedance
MW-7	UA	A7	Barium, total	mg/L	12/15/15 - 03/05/24	31	0	CB around linear reg	0.0313	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
KINCAID POWER PLANT
ASH POND
KINCAID, IL

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-7	UA	A7R	Barium, total	mg/L	12/15/15 - 05/20/24	32	0	CB around linear reg	0.0310	2.0	MCL/HBL	No Exceedance
MW-7	UA	A7D	Barium, total	mg/L	12/15/15 - 08/20/24	33	0	CI around mean	0.0473	2.0	MCL/HBL	No Exceedance
MW-7	UA	A7DR	Barium, total	mg/L	12/15/15 - 11/18/24	34	0	CI around mean	0.0478	2.0	MCL/HBL	No Exceedance
MW-7	UA	A7	Beryllium, total	mg/L	12/15/15 - 03/05/24	29	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-7	UA	A7R	Beryllium, total	mg/L	12/15/15 - 05/20/24	30	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-7	UA	A7D	Beryllium, total	mg/L	12/15/15 - 08/20/24	31	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-7	UA	A7DR	Beryllium, total	mg/L	12/15/15 - 11/18/24	32	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-7	UA	A7	Cadmium, total	mg/L	12/15/15 - 03/05/24	28	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-7	UA	A7R	Cadmium, total	mg/L	12/15/15 - 05/20/24	29	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-7	UA	A7D	Cadmium, total	mg/L	12/15/15 - 08/20/24	30	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-7	UA	A7DR	Cadmium, total	mg/L	12/15/15 - 11/18/24	31	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-7	UA	A7	Chromium, total	mg/L	12/15/15 - 03/05/24	31	93	CB around T-S line	0.00150	0.1	MCL/HBL	No Exceedance
MW-7	UA	A7R	Chromium, total	mg/L	12/15/15 - 05/20/24	32	93	CB around T-S line	0.00150	0.1	MCL/HBL	No Exceedance
MW-7	UA	A7D	Chromium, total	mg/L	12/15/15 - 08/20/24	33	93	CB around T-S line	0.00150	0.1	MCL/HBL	No Exceedance
MW-7	UA	A7DR	Chromium, total	mg/L	12/15/15 - 11/18/24	34	94	CB around T-S line	0.00150	0.1	MCL/HBL	No Exceedance
MW-7	UA	A7	Cobalt, total	mg/L	12/15/15 - 03/05/24	31	80	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-7	UA	A7R	Cobalt, total	mg/L	12/15/15 - 05/20/24	32	78	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-7	UA	A7D	Cobalt, total	mg/L	12/15/15 - 08/20/24	33	75	CB around T-S line	0.00100	0.006	MCL/HBL	No Exceedance
MW-7	UA	A7DR	Cobalt, total	mg/L	12/15/15 - 11/18/24	34	73	CB around T-S line	0.00100	0.006	MCL/HBL	No Exceedance
MW-7	UA	A7	Fluoride, total	mg/L	12/15/15 - 03/05/24	31	0	CI around mean	0.254	4.0	MCL/HBL	No Exceedance
MW-7	UA	A7R	Fluoride, total	mg/L	12/15/15 - 05/20/24	32	0	CI around mean	0.254	4.0	MCL/HBL	No Exceedance
MW-7	UA	A7D	Fluoride, total	mg/L	12/15/15 - 08/20/24	33	3	CI around mean	0.254	4.0	MCL/HBL	No Exceedance
MW-7	UA	A7DR	Fluoride, total	mg/L	12/15/15 - 11/18/24	34	5	CI around mean	0.254	4.0	MCL/HBL	No Exceedance
MW-7	UA	A7	Lead, total	mg/L	12/15/15 - 03/05/24	31	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
MW-7	UA	A7R	Lead, total	mg/L	12/15/15 - 05/20/24	32	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
MW-7	UA	A7D	Lead, total	mg/L	12/15/15 - 08/20/24	33	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
MW-7	UA	A7DR	Lead, total	mg/L	12/15/15 - 11/18/24	34	100	All ND - Last	0.001	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
KINCAID POWER PLANT
ASH POND
KINCAID, IL

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-7	UA	A7	Lithium, total	mg/L	12/15/15 - 03/05/24	23	39	CI around median	0.00300	0.04	MCL/HBL	No Exceedance
MW-7	UA	A7R	Lithium, total	mg/L	12/15/15 - 05/20/24	24	41	CI around median	0.00300	0.04	MCL/HBL	No Exceedance
MW-7	UA	A7D	Lithium, total	mg/L	12/15/15 - 08/20/24	25	44	CI around median	0.00300	0.04	MCL/HBL	No Exceedance
MW-7	UA	A7DR	Lithium, total	mg/L	12/15/15 - 11/18/24	26	42	CI around median	0.00300	0.04	MCL/HBL	No Exceedance
MW-7	UA	A7	Mercury, total	mg/L	12/15/15 - 03/05/24	28	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-7	UA	A7R	Mercury, total	mg/L	12/15/15 - 05/20/24	29	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-7	UA	A7D	Mercury, total	mg/L	12/15/15 - 08/20/24	30	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-7	UA	A7DR	Mercury, total	mg/L	12/15/15 - 11/18/24	31	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-7	UA	A7	Molybdenum, total	mg/L	12/15/15 - 03/05/24	23	4	CI around mean	0.00255	0.1	MCL/HBL	No Exceedance
MW-7	UA	A7R	Molybdenum, total	mg/L	12/15/15 - 05/20/24	24	4	CI around mean	0.00254	0.1	MCL/HBL	No Exceedance
MW-7	UA	A7D	Molybdenum, total	mg/L	12/15/15 - 08/20/24	25	4	CI around mean	0.00252	0.1	MCL/HBL	No Exceedance
MW-7	UA	A7DR	Molybdenum, total	mg/L	12/15/15 - 11/18/24	26	3	CI around mean	0.00247	0.1	MCL/HBL	No Exceedance
MW-7	UA	A7	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 03/05/24	32	0	CI around geomean	0.461	5	MCL/HBL	No Exceedance
MW-7	UA	A7R	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 05/20/24	33	0	CI around geomean	0.457	5	MCL/HBL	No Exceedance
MW-7	UA	A7D	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 08/20/24	34	0	CI around geomean	0.474	5	MCL/HBL	No Exceedance
MW-7	UA	A7DR	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 11/18/24	35	0	CI around geomean	0.473	5	MCL/HBL	No Exceedance
MW-7	UA	A7	Selenium, total	mg/L	12/15/15 - 03/05/24	31	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-7	UA	A7R	Selenium, total	mg/L	12/15/15 - 05/20/24	32	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-7	UA	A7D	Selenium, total	mg/L	12/15/15 - 08/20/24	33	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-7	UA	A7DR	Selenium, total	mg/L	12/15/15 - 11/18/24	34	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-7	UA	A7	Thallium, total	mg/L	12/15/15 - 03/05/24	28	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-7	UA	A7R	Thallium, total	mg/L	12/15/15 - 05/20/24	29	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-7	UA	A7D	Thallium, total	mg/L	12/15/15 - 08/20/24	30	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-7	UA	A7DR	Thallium, total	mg/L	12/15/15 - 11/18/24	31	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-7S	USCU	A7	Antimony, total	mg/L	02/24/21 - 03/04/24	11	90	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-7S	USCU	A7R	Antimony, total	mg/L	02/24/21 - 05/20/24	12	91	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-7S	USCU	A7D	Antimony, total	mg/L	02/24/21 - 08/20/24	13	92	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
KINCAID POWER PLANT
ASH POND
KINCAID, IL

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-7S	USCU	A7DR	Antimony, total	mg/L	02/24/21 - 11/18/24	14	92	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-7S	USCU	A7	Arsenic, total	mg/L	02/24/21 - 03/04/24	11	0	CI around geomean	0.00482	0.010	MCL/HBL	No Exceedance
MW-7S	USCU	A7R	Arsenic, total	mg/L	02/24/21 - 05/20/24	12	0	CI around median	0.00590	0.010	MCL/HBL	No Exceedance
MW-7S	USCU	A7D	Arsenic, total	mg/L	02/24/21 - 08/20/24	13	0	CI around median	0.00690	0.010	MCL/HBL	No Exceedance
MW-7S	USCU	A7DR	Arsenic, total	mg/L	02/24/21 - 11/18/24	14	0	CI around median	0.00690	0.010	MCL/HBL	No Exceedance
MW-7S	USCU	A7	Barium, total	mg/L	02/24/21 - 03/04/24	11	0	CI around median	0.0390	2.0	MCL/HBL	No Exceedance
MW-7S	USCU	A7R	Barium, total	mg/L	02/24/21 - 05/20/24	12	0	CI around median	0.0390	2.0	MCL/HBL	No Exceedance
MW-7S	USCU	A7D	Barium, total	mg/L	02/24/21 - 08/20/24	13	0	CI around median	0.0402	2.0	MCL/HBL	No Exceedance
MW-7S	USCU	A7DR	Barium, total	mg/L	02/24/21 - 11/18/24	14	0	CI around median	0.0393	2.0	MCL/HBL	No Exceedance
MW-7S	USCU	A7	Beryllium, total	mg/L	02/24/21 - 03/04/24	11	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-7S	USCU	A7R	Beryllium, total	mg/L	02/24/21 - 05/20/24	12	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-7S	USCU	A7D	Beryllium, total	mg/L	02/24/21 - 08/20/24	13	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-7S	USCU	A7DR	Beryllium, total	mg/L	02/24/21 - 11/18/24	14	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-7S	USCU	A7	Cadmium, total	mg/L	02/24/21 - 03/04/24	11	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-7S	USCU	A7R	Cadmium, total	mg/L	02/24/21 - 05/20/24	12	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-7S	USCU	A7D	Cadmium, total	mg/L	02/24/21 - 08/20/24	13	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-7S	USCU	A7DR	Cadmium, total	mg/L	02/24/21 - 11/18/24	14	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-7S	USCU	A7	Chromium, total	mg/L	02/24/21 - 03/04/24	11	54	CI around median	0.00150	0.1	MCL/HBL	No Exceedance
MW-7S	USCU	A7R	Chromium, total	mg/L	02/24/21 - 05/20/24	12	50	CI around geomean	0.00155	0.1	MCL/HBL	No Exceedance
MW-7S	USCU	A7D	Chromium, total	mg/L	02/24/21 - 08/20/24	13	53	CI around median	0.00150	0.1	MCL/HBL	No Exceedance
MW-7S	USCU	A7DR	Chromium, total	mg/L	02/24/21 - 11/18/24	14	57	CI around median	0.00150	0.1	MCL/HBL	No Exceedance
MW-7S	USCU	A7	Cobalt, total	mg/L	02/24/21 - 03/04/24	11	18	CI around median	0.00120	0.006	MCL/HBL	No Exceedance
MW-7S	USCU	A7R	Cobalt, total	mg/L	02/24/21 - 05/20/24	12	16	CI around median	0.00120	0.006	MCL/HBL	No Exceedance
MW-7S	USCU	A7D	Cobalt, total	mg/L	02/24/21 - 08/20/24	13	15	CI around geomean	0.00106	0.006	MCL/HBL	No Exceedance
MW-7S	USCU	A7DR	Cobalt, total	mg/L	02/24/21 - 11/18/24	14	14	CI around geomean	0.00105	0.006	MCL/HBL	No Exceedance
MW-7S	USCU	A7	Fluoride, total	mg/L	02/24/21 - 03/04/24	11	0	CB around linear reg	0.250	4.0	MCL/HBL	No Exceedance
MW-7S	USCU	A7R	Fluoride, total	mg/L	02/24/21 - 05/20/24	12	0	CB around linear reg	0.259	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
KINCAID POWER PLANT
ASH POND
KINCAID, IL

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-7S	USCU	A7D	Fluoride, total	mg/L	02/24/21 - 08/20/24	13	7	CB around linear reg	0.245	4.0	MCL/HBL	No Exceedance
MW-7S	USCU	A7DR	Fluoride, total	mg/L	02/24/21 - 11/18/24	14	14	CB around linear reg	0.238	4.0	MCL/HBL	No Exceedance
MW-7S	USCU	A7	Lead, total	mg/L	02/24/21 - 03/04/24	11	72	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
MW-7S	USCU	A7R	Lead, total	mg/L	02/24/21 - 05/20/24	12	75	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
MW-7S	USCU	A7D	Lead, total	mg/L	02/24/21 - 08/20/24	13	76	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
MW-7S	USCU	A7DR	Lead, total	mg/L	02/24/21 - 11/18/24	14	78	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
MW-7S	USCU	A7	Lithium, total	mg/L	02/24/21 - 03/04/24	11	90	CI around median	0.00300	0.04	MCL/HBL	No Exceedance
MW-7S	USCU	A7R	Lithium, total	mg/L	02/24/21 - 05/20/24	12	91	CI around median	0.00300	0.04	MCL/HBL	No Exceedance
MW-7S	USCU	A7D	Lithium, total	mg/L	02/24/21 - 08/20/24	13	92	CI around median	0.00300	0.04	MCL/HBL	No Exceedance
MW-7S	USCU	A7DR	Lithium, total	mg/L	02/24/21 - 11/18/24	14	92	CI around median	0.00300	0.04	MCL/HBL	No Exceedance
MW-7S	USCU	A7	Mercury, total	mg/L	02/24/21 - 03/04/24	11	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-7S	USCU	A7R	Mercury, total	mg/L	02/24/21 - 05/20/24	12	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-7S	USCU	A7D	Mercury, total	mg/L	02/24/21 - 08/20/24	13	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-7S	USCU	A7DR	Mercury, total	mg/L	02/24/21 - 11/18/24	14	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-7S	USCU	A7	Molybdenum, total	mg/L	02/24/21 - 03/04/24	11	72	CI around median	0.00150	0.1	MCL/HBL	No Exceedance
MW-7S	USCU	A7R	Molybdenum, total	mg/L	02/24/21 - 05/20/24	12	66	CI around median	0.00150	0.1	MCL/HBL	No Exceedance
MW-7S	USCU	A7D	Molybdenum, total	mg/L	02/24/21 - 08/20/24	13	69	CI around median	0.00150	0.1	MCL/HBL	No Exceedance
MW-7S	USCU	A7DR	Molybdenum, total	mg/L	02/24/21 - 11/18/24	14	64	CI around median	0.00150	0.1	MCL/HBL	No Exceedance
MW-7S	USCU	A7	Radium 226 + Radium 228, total	pCi/L	02/24/21 - 03/04/24	11	0	CI around mean	0.134	5	MCL/HBL	No Exceedance
MW-7S	USCU	A7R	Radium 226 + Radium 228, total	pCi/L	02/24/21 - 05/20/24	12	0	CI around mean	0.180	5	MCL/HBL	No Exceedance
MW-7S	USCU	A7D	Radium 226 + Radium 228, total	pCi/L	02/24/21 - 08/20/24	13	0	CI around mean	0.235	5	MCL/HBL	No Exceedance
MW-7S	USCU	A7DR	Radium 226 + Radium 228, total	pCi/L	02/24/21 - 11/18/24	14	0	CI around mean	0.225	5	MCL/HBL	No Exceedance
MW-7S	USCU	A7	Selenium, total	mg/L	02/24/21 - 03/04/24	11	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-7S	USCU	A7R	Selenium, total	mg/L	02/24/21 - 05/20/24	12	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-7S	USCU	A7D	Selenium, total	mg/L	02/24/21 - 08/20/24	13	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-7S	USCU	A7DR	Selenium, total	mg/L	02/24/21 - 11/18/24	14	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-7S	USCU	A7	Thallium, total	mg/L	02/24/21 - 03/04/24	11	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
KINCAID POWER PLANT
ASH POND
KINCAID, IL

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-7S	USCU	A7R	Thallium, total	mg/L	02/24/21 - 05/20/24	12	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-7S	USCU	A7D	Thallium, total	mg/L	02/24/21 - 08/20/24	13	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-7S	USCU	A7DR	Thallium, total	mg/L	02/24/21 - 11/18/24	14	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-8	UA	A7	Antimony, total	mg/L	12/15/15 - 03/05/24	29	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-8	UA	A7R	Antimony, total	mg/L	12/15/15 - 05/20/24	30	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-8	UA	A7D	Antimony, total	mg/L	12/15/15 - 08/20/24	31	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-8	UA	A7DR	Antimony, total	mg/L	12/15/15 - 11/18/24	32	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-8	UA	A7	Arsenic, total	mg/L	12/15/15 - 03/05/24	31	100	All ND - Last	0.001	0.010	MCL/HBL	No Exceedance
MW-8	UA	A7R	Arsenic, total	mg/L	12/15/15 - 05/20/24	32	100	All ND - Last	0.001	0.010	MCL/HBL	No Exceedance
MW-8	UA	A7D	Arsenic, total	mg/L	12/15/15 - 08/20/24	33	100	All ND - Last	0.001	0.010	MCL/HBL	No Exceedance
MW-8	UA	A7DR	Arsenic, total	mg/L	12/15/15 - 11/18/24	34	100	All ND - Last	0.001	0.010	MCL/HBL	No Exceedance
MW-8	UA	A7	Barium, total	mg/L	12/15/15 - 03/05/24	31	0	CB around linear reg	0.0199	2.0	MCL/HBL	No Exceedance
MW-8	UA	A7R	Barium, total	mg/L	12/15/15 - 05/20/24	32	0	CB around linear reg	0.0197	2.0	MCL/HBL	No Exceedance
MW-8	UA	A7D	Barium, total	mg/L	12/15/15 - 08/20/24	33	0	CB around linear reg	0.0199	2.0	MCL/HBL	No Exceedance
MW-8	UA	A7DR	Barium, total	mg/L	12/15/15 - 11/18/24	34	0	CB around linear reg	0.0203	2.0	MCL/HBL	No Exceedance
MW-8	UA	A7	Beryllium, total	mg/L	12/15/15 - 03/05/24	29	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-8	UA	A7R	Beryllium, total	mg/L	12/15/15 - 05/20/24	30	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-8	UA	A7D	Beryllium, total	mg/L	12/15/15 - 08/20/24	31	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-8	UA	A7DR	Beryllium, total	mg/L	12/15/15 - 11/18/24	32	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-8	UA	A7	Cadmium, total	mg/L	12/15/15 - 03/05/24	28	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-8	UA	A7R	Cadmium, total	mg/L	12/15/15 - 05/20/24	29	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-8	UA	A7D	Cadmium, total	mg/L	12/15/15 - 08/20/24	30	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-8	UA	A7DR	Cadmium, total	mg/L	12/15/15 - 11/18/24	31	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-8	UA	A7	Chromium, total	mg/L	12/15/15 - 03/05/24	31	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
MW-8	UA	A7R	Chromium, total	mg/L	12/15/15 - 05/20/24	32	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
MW-8	UA	A7D	Chromium, total	mg/L	12/15/15 - 08/20/24	33	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
MW-8	UA	A7DR	Chromium, total	mg/L	12/15/15 - 11/18/24	34	100	All ND - Last	0.0015	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
KINCAID POWER PLANT
ASH POND
KINCAID, IL

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-8	UA	A7	Cobalt, total	mg/L	12/15/15 - 03/05/24	31	16	CB around linear reg	0.000910	0.006	MCL/HBL	No Exceedance
MW-8	UA	A7R	Cobalt, total	mg/L	12/15/15 - 05/20/24	32	15	CI around geomean	0.00102	0.006	MCL/HBL	No Exceedance
MW-8	UA	A7D	Cobalt, total	mg/L	12/15/15 - 08/20/24	33	15	CI around geomean	0.00102	0.006	MCL/HBL	No Exceedance
MW-8	UA	A7DR	Cobalt, total	mg/L	12/15/15 - 11/18/24	34	14	CI around geomean	0.00102	0.006	MCL/HBL	No Exceedance
MW-8	UA	A7	Fluoride, total	mg/L	12/15/15 - 03/05/24	31	0	CB around T-S line	0.217	4.0	MCL/HBL	No Exceedance
MW-8	UA	A7R	Fluoride, total	mg/L	12/15/15 - 05/20/24	32	0	CB around T-S line	0.216	4.0	MCL/HBL	No Exceedance
MW-8	UA	A7D	Fluoride, total	mg/L	12/15/15 - 08/20/24	33	3	CB around T-S line	0.217	4.0	MCL/HBL	No Exceedance
MW-8	UA	A7DR	Fluoride, total	mg/L	12/15/15 - 11/18/24	34	5	CB around T-S line	0.220	4.0	MCL/HBL	No Exceedance
MW-8	UA	A7	Lead, total	mg/L	12/15/15 - 03/05/24	31	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
MW-8	UA	A7R	Lead, total	mg/L	12/15/15 - 05/20/24	32	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
MW-8	UA	A7D	Lead, total	mg/L	12/15/15 - 08/20/24	33	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
MW-8	UA	A7DR	Lead, total	mg/L	12/15/15 - 11/18/24	34	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
MW-8	UA	A7	Lithium, total	mg/L	12/15/15 - 03/05/24	23	52	CB around T-S line	0.00287	0.04	MCL/HBL	No Exceedance
MW-8	UA	A7R	Lithium, total	mg/L	12/15/15 - 05/20/24	24	54	CB around T-S line	0.00295	0.04	MCL/HBL	No Exceedance
MW-8	UA	A7D	Lithium, total	mg/L	12/15/15 - 08/20/24	25	56	CB around T-S line	0.00296	0.04	MCL/HBL	No Exceedance
MW-8	UA	A7DR	Lithium, total	mg/L	12/15/15 - 11/18/24	26	57	CB around T-S line	0.00299	0.04	MCL/HBL	No Exceedance
MW-8	UA	A7	Mercury, total	mg/L	12/15/15 - 03/05/24	28	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-8	UA	A7R	Mercury, total	mg/L	12/15/15 - 05/20/24	29	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-8	UA	A7D	Mercury, total	mg/L	12/15/15 - 08/20/24	30	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-8	UA	A7DR	Mercury, total	mg/L	12/15/15 - 11/18/24	31	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-8	UA	A7	Molybdenum, total	mg/L	12/15/15 - 03/05/24	23	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
MW-8	UA	A7R	Molybdenum, total	mg/L	12/15/15 - 05/20/24	24	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
MW-8	UA	A7D	Molybdenum, total	mg/L	12/15/15 - 08/20/24	25	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
MW-8	UA	A7DR	Molybdenum, total	mg/L	12/15/15 - 11/18/24	26	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
MW-8	UA	A7	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 03/05/24	32	0	CI around median	0.210	5	MCL/HBL	No Exceedance
MW-8	UA	A7R	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 05/20/24	33	0	CI around median	0.200	5	MCL/HBL	No Exceedance
MW-8	UA	A7D	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 08/20/24	34	0	CI around median	0.210	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
KINCAID POWER PLANT
ASH POND
KINCAID, IL

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-8	UA	A7DR	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 11/18/24	35	0	CI around median	0.200	5	MCL/HBL	No Exceedance
MW-8	UA	A7	Selenium, total	mg/L	12/15/15 - 03/05/24	31	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-8	UA	A7R	Selenium, total	mg/L	12/15/15 - 05/20/24	32	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-8	UA	A7D	Selenium, total	mg/L	12/15/15 - 08/20/24	33	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-8	UA	A7DR	Selenium, total	mg/L	12/15/15 - 11/18/24	34	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-8	UA	A7	Thallium, total	mg/L	12/15/15 - 03/05/24	28	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-8	UA	A7R	Thallium, total	mg/L	12/15/15 - 05/20/24	29	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-8	UA	A7D	Thallium, total	mg/L	12/15/15 - 08/20/24	30	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-8	UA	A7DR	Thallium, total	mg/L	12/15/15 - 11/18/24	31	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-11	UA	A7	Antimony, total	mg/L	12/15/15 - 03/05/24	29	96	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-11	UA	A7R	Antimony, total	mg/L	12/15/15 - 05/20/24	30	96	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-11	UA	A7D	Antimony, total	mg/L	12/15/15 - 08/20/24	31	96	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-11	UA	A7DR	Antimony, total	mg/L	12/15/15 - 11/18/24	32	96	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-11	UA	A7	Arsenic, total	mg/L	12/15/15 - 03/05/24	31	22	CI around median	0.00120	0.010	MCL/HBL	No Exceedance
MW-11	UA	A7R	Arsenic, total	mg/L	12/15/15 - 05/20/24	32	25	CI around median	0.00120	0.010	MCL/HBL	No Exceedance
MW-11	UA	A7D	Arsenic, total	mg/L	12/15/15 - 08/20/24	33	27	CI around median	0.00110	0.010	MCL/HBL	No Exceedance
MW-11	UA	A7DR	Arsenic, total	mg/L	12/15/15 - 11/18/24	34	29	CI around median	0.00110	0.010	MCL/HBL	No Exceedance
MW-11	UA	A7	Barium, total	mg/L	12/15/15 - 03/05/24	31	0	CB around linear reg	0.112	2.0	MCL/HBL	No Exceedance
MW-11	UA	A7R	Barium, total	mg/L	12/15/15 - 05/20/24	32	0	CB around linear reg	0.110	2.0	MCL/HBL	No Exceedance
MW-11	UA	A7D	Barium, total	mg/L	12/15/15 - 08/20/24	33	0	CB around linear reg	0.109	2.0	MCL/HBL	No Exceedance
MW-11	UA	A7DR	Barium, total	mg/L	12/15/15 - 11/18/24	34	0	CB around T-S line	0.105	2.0	MCL/HBL	No Exceedance
MW-11	UA	A7	Beryllium, total	mg/L	12/15/15 - 03/05/24	29	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-11	UA	A7R	Beryllium, total	mg/L	12/15/15 - 05/20/24	30	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-11	UA	A7D	Beryllium, total	mg/L	12/15/15 - 08/20/24	31	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-11	UA	A7DR	Beryllium, total	mg/L	12/15/15 - 11/18/24	32	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-11	UA	A7	Cadmium, total	mg/L	12/15/15 - 03/05/24	28	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-11	UA	A7R	Cadmium, total	mg/L	12/15/15 - 05/20/24	29	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
KINCAID POWER PLANT
ASH POND
KINCAID, IL

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-11	UA	A7D	Cadmium, total	mg/L	12/15/15 - 08/20/24	30	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-11	UA	A7DR	Cadmium, total	mg/L	12/15/15 - 11/18/24	31	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-11	UA	A7	Chromium, total	mg/L	12/15/15 - 03/05/24	31	96	CB around T-S line	0.00150	0.1	MCL/HBL	No Exceedance
MW-11	UA	A7R	Chromium, total	mg/L	12/15/15 - 05/20/24	32	96	CB around T-S line	0.00150	0.1	MCL/HBL	No Exceedance
MW-11	UA	A7D	Chromium, total	mg/L	12/15/15 - 08/20/24	33	96	CB around T-S line	0.00150	0.1	MCL/HBL	No Exceedance
MW-11	UA	A7DR	Chromium, total	mg/L	12/15/15 - 11/18/24	34	97	CB around T-S line	0.00150	0.1	MCL/HBL	No Exceedance
MW-11	UA	A7	Cobalt, total	mg/L	12/15/15 - 03/05/24	31	93	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-11	UA	A7R	Cobalt, total	mg/L	12/15/15 - 05/20/24	32	93	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-11	UA	A7D	Cobalt, total	mg/L	12/15/15 - 08/20/24	33	93	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-11	UA	A7DR	Cobalt, total	mg/L	12/15/15 - 11/18/24	34	94	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-11	UA	A7	Fluoride, total	mg/L	12/15/15 - 03/05/24	31	0	CI around mean	0.492	4.0	MCL/HBL	No Exceedance
MW-11	UA	A7R	Fluoride, total	mg/L	12/15/15 - 05/20/24	32	0	CI around mean	0.491	4.0	MCL/HBL	No Exceedance
MW-11	UA	A7D	Fluoride, total	mg/L	12/15/15 - 08/20/24	33	3	CI around median	0.480	4.0	MCL/HBL	No Exceedance
MW-11	UA	A7DR	Fluoride, total	mg/L	12/15/15 - 11/18/24	34	5	CI around median	0.480	4.0	MCL/HBL	No Exceedance
MW-11	UA	A7	Lead, total	mg/L	12/15/15 - 03/05/24	31	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
MW-11	UA	A7R	Lead, total	mg/L	12/15/15 - 05/20/24	32	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
MW-11	UA	A7D	Lead, total	mg/L	12/15/15 - 08/20/24	33	96	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
MW-11	UA	A7DR	Lead, total	mg/L	12/15/15 - 11/18/24	34	97	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
MW-11	UA	A7	Lithium, total	mg/L	12/15/15 - 03/05/24	23	47	CB around linear reg	0.00283	0.04	MCL/HBL	No Exceedance
MW-11	UA	A7R	Lithium, total	mg/L	12/15/15 - 05/20/24	24	50	CB around linear reg	0.00284	0.04	MCL/HBL	No Exceedance
MW-11	UA	A7D	Lithium, total	mg/L	12/15/15 - 08/20/24	25	48	CB around linear reg	0.00288	0.04	MCL/HBL	No Exceedance
MW-11	UA	A7DR	Lithium, total	mg/L	12/15/15 - 11/18/24	26	50	CB around linear reg	0.00289	0.04	MCL/HBL	No Exceedance
MW-11	UA	A7	Mercury, total	mg/L	12/15/15 - 03/05/24	28	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-11	UA	A7R	Mercury, total	mg/L	12/15/15 - 05/20/24	29	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-11	UA	A7D	Mercury, total	mg/L	12/15/15 - 08/20/24	30	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-11	UA	A7DR	Mercury, total	mg/L	12/15/15 - 11/18/24	31	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-11	UA	A7	Molybdenum, total	mg/L	12/15/15 - 03/05/24	23	4	CI around median	0.00210	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
KINCAID POWER PLANT
ASH POND
KINCAID, IL

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-11	UA	A7R	Molybdenum, total	mg/L	12/15/15 - 05/20/24	24	4	CI around median	0.00210	0.1	MCL/HBL	No Exceedance
MW-11	UA	A7D	Molybdenum, total	mg/L	12/15/15 - 08/20/24	25	4	CI around median	0.00210	0.1	MCL/HBL	No Exceedance
MW-11	UA	A7DR	Molybdenum, total	mg/L	12/15/15 - 11/18/24	26	3	CI around median	0.00210	0.1	MCL/HBL	No Exceedance
MW-11	UA	A7	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 03/05/24	32	0	CI around mean	0.549	5	MCL/HBL	No Exceedance
MW-11	UA	A7R	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 05/20/24	33	0	CI around mean	0.550	5	MCL/HBL	No Exceedance
MW-11	UA	A7D	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 08/20/24	34	0	CI around mean	0.564	5	MCL/HBL	No Exceedance
MW-11	UA	A7DR	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 11/18/24	35	0	CI around mean	0.562	5	MCL/HBL	No Exceedance
MW-11	UA	A7	Selenium, total	mg/L	12/15/15 - 03/05/24	31	64	CI around median	0.00100	0.05	MCL/HBL	No Exceedance
MW-11	UA	A7R	Selenium, total	mg/L	12/15/15 - 05/20/24	32	65	CI around median	0.00100	0.05	MCL/HBL	No Exceedance
MW-11	UA	A7D	Selenium, total	mg/L	12/15/15 - 08/20/24	33	66	CI around median	0.00100	0.05	MCL/HBL	No Exceedance
MW-11	UA	A7DR	Selenium, total	mg/L	12/15/15 - 11/18/24	34	67	CI around median	0.00100	0.05	MCL/HBL	No Exceedance
MW-11	UA	A7	Thallium, total	mg/L	12/15/15 - 03/05/24	28	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-11	UA	A7R	Thallium, total	mg/L	12/15/15 - 05/20/24	29	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-11	UA	A7D	Thallium, total	mg/L	12/15/15 - 08/20/24	30	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-11	UA	A7DR	Thallium, total	mg/L	12/15/15 - 11/18/24	31	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-12	UA	A7	Antimony, total	mg/L	12/15/15 - 03/05/24	29	96	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-12	UA	A7R	Antimony, total	mg/L	12/15/15 - 05/20/24	30	96	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-12	UA	A7D	Antimony, total	mg/L	12/15/15 - 08/20/24	31	96	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-12	UA	A7DR	Antimony, total	mg/L	12/15/15 - 11/19/24	32	96	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-12	UA	A7	Arsenic, total	mg/L	12/15/15 - 03/05/24	31	90	CB around T-S line	0.00100	0.010	MCL/HBL	No Exceedance
MW-12	UA	A7R	Arsenic, total	mg/L	12/15/15 - 05/20/24	32	90	CB around T-S line	0.00100	0.010	MCL/HBL	No Exceedance
MW-12	UA	A7D	Arsenic, total	mg/L	12/15/15 - 08/20/24	33	90	CI around median	0.00100	0.010	MCL/HBL	No Exceedance
MW-12	UA	A7DR	Arsenic, total	mg/L	12/15/15 - 11/19/24	34	88	CB around T-S line	0.00100	0.010	MCL/HBL	No Exceedance
MW-12	UA	A7	Barium, total	mg/L	12/15/15 - 03/05/24	31	0	CB around linear reg	0.0609	2.0	MCL/HBL	No Exceedance
MW-12	UA	A7R	Barium, total	mg/L	12/15/15 - 05/20/24	32	0	CB around linear reg	0.0618	2.0	MCL/HBL	No Exceedance
MW-12	UA	A7D	Barium, total	mg/L	12/15/15 - 08/20/24	33	0	CB around linear reg	0.0617	2.0	MCL/HBL	No Exceedance
MW-12	UA	A7DR	Barium, total	mg/L	12/15/15 - 11/19/24	34	0	CI around mean	0.0828	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
KINCAID POWER PLANT
ASH POND
KINCAID, IL

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-12	UA	A7	Beryllium, total	mg/L	12/15/15 - 03/05/24	29	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-12	UA	A7R	Beryllium, total	mg/L	12/15/15 - 05/20/24	30	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-12	UA	A7D	Beryllium, total	mg/L	12/15/15 - 08/20/24	31	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-12	UA	A7DR	Beryllium, total	mg/L	12/15/15 - 11/19/24	32	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-12	UA	A7	Cadmium, total	mg/L	12/15/15 - 03/05/24	28	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-12	UA	A7R	Cadmium, total	mg/L	12/15/15 - 05/20/24	29	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-12	UA	A7D	Cadmium, total	mg/L	12/15/15 - 08/20/24	30	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-12	UA	A7DR	Cadmium, total	mg/L	12/15/15 - 11/19/24	31	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-12	UA	A7	Chromium, total	mg/L	12/15/15 - 03/05/24	31	96	CB around T-S line	0.00150	0.1	MCL/HBL	No Exceedance
MW-12	UA	A7R	Chromium, total	mg/L	12/15/15 - 05/20/24	32	96	CB around T-S line	0.00150	0.1	MCL/HBL	No Exceedance
MW-12	UA	A7D	Chromium, total	mg/L	12/15/15 - 08/20/24	33	96	CB around T-S line	0.00150	0.1	MCL/HBL	No Exceedance
MW-12	UA	A7DR	Chromium, total	mg/L	12/15/15 - 11/19/24	34	97	CB around T-S line	0.00150	0.1	MCL/HBL	No Exceedance
MW-12	UA	A7	Cobalt, total	mg/L	12/15/15 - 03/05/24	31	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-12	UA	A7R	Cobalt, total	mg/L	12/15/15 - 05/20/24	32	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-12	UA	A7D	Cobalt, total	mg/L	12/15/15 - 08/20/24	33	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-12	UA	A7DR	Cobalt, total	mg/L	12/15/15 - 11/19/24	34	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-12	UA	A7	Fluoride, total	mg/L	12/15/15 - 03/05/24	31	0	CI around median	0.180	4.0	MCL/HBL	No Exceedance
MW-12	UA	A7R	Fluoride, total	mg/L	12/15/15 - 05/20/24	32	0	CI around median	0.180	4.0	MCL/HBL	No Exceedance
MW-12	UA	A7D	Fluoride, total	mg/L	12/15/15 - 08/20/24	33	3	CI around median	0.180	4.0	MCL/HBL	No Exceedance
MW-12	UA	A7DR	Fluoride, total	mg/L	12/15/15 - 11/19/24	34	5	CB around linear reg	0.197	4.0	MCL/HBL	No Exceedance
MW-12	UA	A7	Lead, total	mg/L	12/15/15 - 03/05/24	31	96	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
MW-12	UA	A7R	Lead, total	mg/L	12/15/15 - 05/20/24	32	96	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
MW-12	UA	A7D	Lead, total	mg/L	12/15/15 - 08/20/24	33	96	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
MW-12	UA	A7DR	Lead, total	mg/L	12/15/15 - 11/19/24	34	97	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
MW-12	UA	A7	Lithium, total	mg/L	12/15/15 - 03/05/24	23	0	CI around mean	0.00848	0.04	MCL/HBL	No Exceedance
MW-12	UA	A7R	Lithium, total	mg/L	12/15/15 - 05/20/24	24	0	CI around mean	0.00850	0.04	MCL/HBL	No Exceedance
MW-12	UA	A7D	Lithium, total	mg/L	12/15/15 - 08/20/24	25	0	CI around mean	0.00855	0.04	MCL/HBL	No Exceedance

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

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-12	UA	A7DR	Lithium, total	mg/L	12/15/15 - 11/19/24	26	0	CI around mean	0.00857	0.04	MCL/HBL	No Exceedance
MW-12	UA	A7	Mercury, total	mg/L	12/15/15 - 03/05/24	28	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-12	UA	A7R	Mercury, total	mg/L	12/15/15 - 05/20/24	29	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-12	UA	A7D	Mercury, total	mg/L	12/15/15 - 08/20/24	30	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-12	UA	A7DR	Mercury, total	mg/L	12/15/15 - 11/19/24	31	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-12	UA	A7	Molybdenum, total	mg/L	12/15/15 - 03/05/24	23	82	CB around T-S line	0.00150	0.1	MCL/HBL	No Exceedance
MW-12	UA	A7R	Molybdenum, total	mg/L	12/15/15 - 05/20/24	24	83	CB around T-S line	0.00150	0.1	MCL/HBL	No Exceedance
MW-12	UA	A7D	Molybdenum, total	mg/L	12/15/15 - 08/20/24	25	84	CB around T-S line	0.00150	0.1	MCL/HBL	No Exceedance
MW-12	UA	A7DR	Molybdenum, total	mg/L	12/15/15 - 11/19/24	26	84	CB around T-S line	0.00150	0.1	MCL/HBL	No Exceedance
MW-12	UA	A7	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 03/05/24	32	0	CI around median	0.447	5	MCL/HBL	No Exceedance
MW-12	UA	A7R	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 05/20/24	33	0	CI around median	0.447	5	MCL/HBL	No Exceedance
MW-12	UA	A7D	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 08/20/24	34	0	CI around median	0.450	5	MCL/HBL	No Exceedance
MW-12	UA	A7DR	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 11/19/24	35	0	CI around median	0.447	5	MCL/HBL	No Exceedance
MW-12	UA	A7	Selenium, total	mg/L	12/15/15 - 03/05/24	31	96	CI around median	0.00100	0.05	MCL/HBL	No Exceedance
MW-12	UA	A7R	Selenium, total	mg/L	12/15/15 - 05/20/24	32	96	CI around median	0.00100	0.05	MCL/HBL	No Exceedance
MW-12	UA	A7D	Selenium, total	mg/L	12/15/15 - 08/20/24	33	96	CI around median	0.00100	0.05	MCL/HBL	No Exceedance
MW-12	UA	A7DR	Selenium, total	mg/L	12/15/15 - 11/19/24	34	97	CI around median	0.00100	0.05	MCL/HBL	No Exceedance
MW-12	UA	A7	Thallium, total	mg/L	12/15/15 - 03/05/24	28	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-12	UA	A7R	Thallium, total	mg/L	12/15/15 - 05/20/24	29	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-12	UA	A7D	Thallium, total	mg/L	12/15/15 - 08/20/24	30	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-12	UA	A7DR	Thallium, total	mg/L	12/15/15 - 11/19/24	31	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-20	UA	A7	Antimony, total	mg/L	02/26/21 - 03/05/24	13	92	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-20	UA	A7R	Antimony, total	mg/L	02/26/21 - 05/20/24	14	92	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-20	UA	A7D	Antimony, total	mg/L	02/26/21 - 08/21/24	15	93	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-20	UA	A7DR	Antimony, total	mg/L	02/26/21 - 11/18/24	16	93	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-20	UA	A7	Arsenic, total	mg/L	02/26/21 - 03/05/24	13	46	CI around median	0.00100	0.010	MCL/HBL	No Exceedance
MW-20	UA	A7R	Arsenic, total	mg/L	02/26/21 - 05/20/24	14	50	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
KINCAID POWER PLANT
ASH POND
KINCAID, IL

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-20	UA	A7D	Arsenic, total	mg/L	02/26/21 - 08/21/24	15	53	CI around median	0.00100	0.010	MCL/HBL	No Exceedance
MW-20	UA	A7DR	Arsenic, total	mg/L	02/26/21 - 11/18/24	16	56	CI around median	0.00100	0.010	MCL/HBL	No Exceedance
MW-20	UA	A7	Barium, total	mg/L	02/26/21 - 03/05/24	13	0	CB around linear reg	0.0650	2.0	MCL/HBL	No Exceedance
MW-20	UA	A7R	Barium, total	mg/L	02/26/21 - 05/20/24	14	0	CB around linear reg	0.0649	2.0	MCL/HBL	No Exceedance
MW-20	UA	A7D	Barium, total	mg/L	02/26/21 - 08/21/24	15	0	CB around linear reg	0.0661	2.0	MCL/HBL	No Exceedance
MW-20	UA	A7DR	Barium, total	mg/L	02/26/21 - 11/18/24	16	0	CB around linear reg	0.0657	2.0	MCL/HBL	No Exceedance
MW-20	UA	A7	Beryllium, total	mg/L	02/26/21 - 03/05/24	13	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-20	UA	A7R	Beryllium, total	mg/L	02/26/21 - 05/20/24	14	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-20	UA	A7D	Beryllium, total	mg/L	02/26/21 - 08/21/24	15	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-20	UA	A7DR	Beryllium, total	mg/L	02/26/21 - 11/18/24	16	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-20	UA	A7	Cadmium, total	mg/L	02/26/21 - 03/05/24	13	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-20	UA	A7R	Cadmium, total	mg/L	02/26/21 - 05/20/24	14	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-20	UA	A7D	Cadmium, total	mg/L	02/26/21 - 08/21/24	15	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-20	UA	A7DR	Cadmium, total	mg/L	02/26/21 - 11/18/24	16	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-20	UA	A7	Chromium, total	mg/L	02/26/21 - 03/05/24	13	92	CI around median	0.00150	0.1	MCL/HBL	No Exceedance
MW-20	UA	A7R	Chromium, total	mg/L	02/26/21 - 05/20/24	14	92	CI around median	0.00150	0.1	MCL/HBL	No Exceedance
MW-20	UA	A7D	Chromium, total	mg/L	02/26/21 - 08/21/24	15	86	CI around median	0.00150	0.1	MCL/HBL	No Exceedance
MW-20	UA	A7DR	Chromium, total	mg/L	02/26/21 - 11/18/24	16	87	CI around median	0.00150	0.1	MCL/HBL	No Exceedance
MW-20	UA	A7	Cobalt, total	mg/L	02/26/21 - 03/05/24	13	92	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-20	UA	A7R	Cobalt, total	mg/L	02/26/21 - 05/20/24	14	92	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-20	UA	A7D	Cobalt, total	mg/L	02/26/21 - 08/21/24	15	93	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-20	UA	A7DR	Cobalt, total	mg/L	02/26/21 - 11/18/24	16	93	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-20	UA	A7	Fluoride, total	mg/L	02/26/21 - 03/05/24	13	0	CB around linear reg	0.318	4.0	MCL/HBL	No Exceedance
MW-20	UA	A7R	Fluoride, total	mg/L	02/26/21 - 05/20/24	14	0	CB around linear reg	0.313	4.0	MCL/HBL	No Exceedance
MW-20	UA	A7D	Fluoride, total	mg/L	02/26/21 - 08/21/24	15	6	CB around linear reg	0.276	4.0	MCL/HBL	No Exceedance
MW-20	UA	A7DR	Fluoride, total	mg/L	02/26/21 - 11/18/24	16	12	CB around linear reg	0.255	4.0	MCL/HBL	No Exceedance
MW-20	UA	A7	Lead, total	mg/L	02/26/21 - 03/05/24	13	100	All ND - Last	0.001	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
KINCAID POWER PLANT
ASH POND
KINCAID, IL

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-20	UA	A7R	Lead, total	mg/L	02/26/21 - 05/20/24	14	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
MW-20	UA	A7D	Lead, total	mg/L	02/26/21 - 08/21/24	15	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
MW-20	UA	A7DR	Lead, total	mg/L	02/26/21 - 11/18/24	16	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
MW-20	UA	A7	Lithium, total	mg/L	02/26/21 - 03/05/24	13	0	CB around linear reg	-0.00347	0.04	MCL/HBL	No Exceedance
MW-20	UA	A7R	Lithium, total	mg/L	02/26/21 - 05/20/24	14	0	CB around linear reg	-0.00308	0.04	MCL/HBL	No Exceedance
MW-20	UA	A7D	Lithium, total	mg/L	02/26/21 - 08/21/24	15	0	CB around linear reg	-0.00312	0.04	MCL/HBL	No Exceedance
MW-20	UA	A7DR	Lithium, total	mg/L	02/26/21 - 11/18/24	16	0	CB around linear reg	-0.00304	0.04	MCL/HBL	No Exceedance
MW-20	UA	A7	Mercury, total	mg/L	02/26/21 - 03/05/24	13	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-20	UA	A7R	Mercury, total	mg/L	02/26/21 - 05/20/24	14	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-20	UA	A7D	Mercury, total	mg/L	02/26/21 - 08/21/24	15	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-20	UA	A7DR	Mercury, total	mg/L	02/26/21 - 11/18/24	16	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-20	UA	A7	Molybdenum, total	mg/L	02/26/21 - 03/05/24	13	7	CB around linear reg	-0.000432	0.1	MCL/HBL	No Exceedance
MW-20	UA	A7R	Molybdenum, total	mg/L	02/26/21 - 05/20/24	14	7	CB around linear reg	-0.000361	0.1	MCL/HBL	No Exceedance
MW-20	UA	A7D	Molybdenum, total	mg/L	02/26/21 - 08/21/24	15	6	CB around linear reg	-0.000219	0.1	MCL/HBL	No Exceedance
MW-20	UA	A7DR	Molybdenum, total	mg/L	02/26/21 - 11/18/24	16	6	CB around T-S line	-0.00482	0.1	MCL/HBL	No Exceedance
MW-20	UA	A7	Radium 226 + Radium 228, total	pCi/L	02/26/21 - 03/05/24	13	0	CI around mean	0.239	5	MCL/HBL	No Exceedance
MW-20	UA	A7R	Radium 226 + Radium 228, total	pCi/L	02/26/21 - 05/20/24	14	0	CI around mean	0.263	5	MCL/HBL	No Exceedance
MW-20	UA	A7D	Radium 226 + Radium 228, total	pCi/L	02/26/21 - 08/21/24	15	0	CI around mean	0.284	5	MCL/HBL	No Exceedance
MW-20	UA	A7DR	Radium 226 + Radium 228, total	pCi/L	02/26/21 - 11/18/24	16	0	CB around linear reg	0.373	5	MCL/HBL	No Exceedance
MW-20	UA	A7	Selenium, total	mg/L	02/26/21 - 03/05/24	13	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-20	UA	A7R	Selenium, total	mg/L	02/26/21 - 05/20/24	14	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-20	UA	A7D	Selenium, total	mg/L	02/26/21 - 08/21/24	15	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-20	UA	A7DR	Selenium, total	mg/L	02/26/21 - 11/18/24	16	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-20	UA	A7	Thallium, total	mg/L	02/26/21 - 03/05/24	13	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-20	UA	A7R	Thallium, total	mg/L	02/26/21 - 05/20/24	14	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-20	UA	A7D	Thallium, total	mg/L	02/26/21 - 08/21/24	15	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-20	UA	A7DR	Thallium, total	mg/L	02/26/21 - 11/18/24	16	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
KINCAID POWER PLANT
ASH POND
KINCAID, IL

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-20S	USCU	A7	Antimony, total	mg/L	02/26/21 - 03/04/24	13	92	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-20S	USCU	A7R	Antimony, total	mg/L	02/26/21 - 05/21/24	14	92	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-20S	USCU	A7D	Antimony, total	mg/L	02/26/21 - 08/20/24	15	93	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-20S	USCU	A7DR	Antimony, total	mg/L	02/26/21 - 11/19/24	16	93	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-20S	USCU	A7	Arsenic, total	mg/L	02/26/21 - 03/04/24	13	100	All ND - Last	0.001	0.010	MCL/HBL	No Exceedance
MW-20S	USCU	A7R	Arsenic, total	mg/L	02/26/21 - 05/21/24	14	100	All ND - Last	0.001	0.010	MCL/HBL	No Exceedance
MW-20S	USCU	A7D	Arsenic, total	mg/L	02/26/21 - 08/20/24	15	100	All ND - Last	0.001	0.010	MCL/HBL	No Exceedance
MW-20S	USCU	A7DR	Arsenic, total	mg/L	02/26/21 - 11/19/24	16	93	CI around median	0.00100	0.010	MCL/HBL	No Exceedance
MW-20S	USCU	A7	Barium, total	mg/L	02/26/21 - 03/04/24	13	7	CI around median	0.0346	2.0	MCL/HBL	No Exceedance
MW-20S	USCU	A7R	Barium, total	mg/L	02/26/21 - 05/21/24	14	7	CI around median	0.0346	2.0	MCL/HBL	No Exceedance
MW-20S	USCU	A7D	Barium, total	mg/L	02/26/21 - 08/20/24	15	6	CI around median	0.0346	2.0	MCL/HBL	No Exceedance
MW-20S	USCU	A7DR	Barium, total	mg/L	02/26/21 - 11/19/24	16	6	CI around median	0.0352	2.0	MCL/HBL	No Exceedance
MW-20S	USCU	A7	Beryllium, total	mg/L	02/26/21 - 03/04/24	13	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-20S	USCU	A7R	Beryllium, total	mg/L	02/26/21 - 05/21/24	14	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-20S	USCU	A7D	Beryllium, total	mg/L	02/26/21 - 08/20/24	15	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-20S	USCU	A7DR	Beryllium, total	mg/L	02/26/21 - 11/19/24	16	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-20S	USCU	A7	Cadmium, total	mg/L	02/26/21 - 03/04/24	13	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-20S	USCU	A7R	Cadmium, total	mg/L	02/26/21 - 05/21/24	14	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-20S	USCU	A7D	Cadmium, total	mg/L	02/26/21 - 08/20/24	15	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-20S	USCU	A7DR	Cadmium, total	mg/L	02/26/21 - 11/19/24	16	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-20S	USCU	A7	Chromium, total	mg/L	02/26/21 - 03/04/24	13	92	CI around median	0.00150	0.1	MCL/HBL	No Exceedance
MW-20S	USCU	A7R	Chromium, total	mg/L	02/26/21 - 05/21/24	14	92	CI around median	0.00150	0.1	MCL/HBL	No Exceedance
MW-20S	USCU	A7D	Chromium, total	mg/L	02/26/21 - 08/20/24	15	93	CI around median	0.00150	0.1	MCL/HBL	No Exceedance
MW-20S	USCU	A7DR	Chromium, total	mg/L	02/26/21 - 11/19/24	16	93	CI around median	0.00150	0.1	MCL/HBL	No Exceedance
MW-20S	USCU	A7	Cobalt, total	mg/L	02/26/21 - 03/04/24	13	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-20S	USCU	A7R	Cobalt, total	mg/L	02/26/21 - 05/21/24	14	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-20S	USCU	A7D	Cobalt, total	mg/L	02/26/21 - 08/20/24	15	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance

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

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-20S	USCU	A7DR	Cobalt, total	mg/L	02/26/21 - 11/19/24	16	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-20S	USCU	A7	Fluoride, total	mg/L	02/26/21 - 03/04/24	13	0	CI around mean	0.176	4.0	MCL/HBL	No Exceedance
MW-20S	USCU	A7R	Fluoride, total	mg/L	02/26/21 - 05/21/24	14	0	CI around mean	0.177	4.0	MCL/HBL	No Exceedance
MW-20S	USCU	A7D	Fluoride, total	mg/L	02/26/21 - 08/20/24	15	6	CI around mean	0.177	4.0	MCL/HBL	No Exceedance
MW-20S	USCU	A7DR	Fluoride, total	mg/L	02/26/21 - 11/19/24	16	12	CI around mean	0.179	4.0	MCL/HBL	No Exceedance
MW-20S	USCU	A7	Lead, total	mg/L	02/26/21 - 03/04/24	13	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
MW-20S	USCU	A7R	Lead, total	mg/L	02/26/21 - 05/21/24	14	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
MW-20S	USCU	A7D	Lead, total	mg/L	02/26/21 - 08/20/24	15	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
MW-20S	USCU	A7DR	Lead, total	mg/L	02/26/21 - 11/19/24	16	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
MW-20S	USCU	A7	Lithium, total	mg/L	02/26/21 - 03/04/24	13	100	All ND - Last	0.003	0.04	MCL/HBL	No Exceedance
MW-20S	USCU	A7R	Lithium, total	mg/L	02/26/21 - 05/21/24	14	100	All ND - Last	0.003	0.04	MCL/HBL	No Exceedance
MW-20S	USCU	A7D	Lithium, total	mg/L	02/26/21 - 08/20/24	15	100	All ND - Last	0.003	0.04	MCL/HBL	No Exceedance
MW-20S	USCU	A7DR	Lithium, total	mg/L	02/26/21 - 11/19/24	16	100	All ND - Last	0.003	0.04	MCL/HBL	No Exceedance
MW-20S	USCU	A7	Mercury, total	mg/L	02/26/21 - 03/04/24	13	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-20S	USCU	A7R	Mercury, total	mg/L	02/26/21 - 05/21/24	14	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-20S	USCU	A7D	Mercury, total	mg/L	02/26/21 - 08/20/24	15	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-20S	USCU	A7DR	Mercury, total	mg/L	02/26/21 - 11/19/24	16	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-20S	USCU	A7	Molybdenum, total	mg/L	02/26/21 - 03/04/24	13	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
MW-20S	USCU	A7R	Molybdenum, total	mg/L	02/26/21 - 05/21/24	14	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
MW-20S	USCU	A7D	Molybdenum, total	mg/L	02/26/21 - 08/20/24	15	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
MW-20S	USCU	A7DR	Molybdenum, total	mg/L	02/26/21 - 11/19/24	16	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
MW-20S	USCU	A7	Radium 226 + Radium 228, total	pCi/L	02/26/21 - 03/04/24	13	0	CI around mean	0.158	5	MCL/HBL	No Exceedance
MW-20S	USCU	A7R	Radium 226 + Radium 228, total	pCi/L	02/26/21 - 05/21/24	14	0	CI around mean	0.158	5	MCL/HBL	No Exceedance
MW-20S	USCU	A7D	Radium 226 + Radium 228, total	pCi/L	02/26/21 - 08/20/24	15	0	CI around mean	0.179	5	MCL/HBL	No Exceedance
MW-20S	USCU	A7DR	Radium 226 + Radium 228, total	pCi/L	02/26/21 - 11/19/24	16	0	CI around mean	0.203	5	MCL/HBL	No Exceedance
MW-20S	USCU	A7	Selenium, total	mg/L	02/26/21 - 03/04/24	13	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-20S	USCU	A7R	Selenium, total	mg/L	02/26/21 - 05/21/24	14	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
KINCAID POWER PLANT
ASH POND
KINCAID, IL

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-20S	USCU	A7D	Selenium, total	mg/L	02/26/21 - 08/20/24	15	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-20S	USCU	A7DR	Selenium, total	mg/L	02/26/21 - 11/19/24	16	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-20S	USCU	A7	Thallium, total	mg/L	02/26/21 - 03/04/24	13	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-20S	USCU	A7R	Thallium, total	mg/L	02/26/21 - 05/21/24	14	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-20S	USCU	A7D	Thallium, total	mg/L	02/26/21 - 08/20/24	15	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-20S	USCU	A7DR	Thallium, total	mg/L	02/26/21 - 11/19/24	16	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-23	UA	A7	Antimony, total	mg/L	02/26/21 - 03/05/24	13	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-23	UA	A7R	Antimony, total	mg/L	02/26/21 - 05/20/24	14	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-23	UA	A7D	Antimony, total	mg/L	02/26/21 - 08/21/24	15	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-23	UA	A7DR	Antimony, total	mg/L	02/26/21 - 11/18/24	16	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-23	UA	A7	Arsenic, total	mg/L	02/26/21 - 03/05/24	13	46	CI around median	0.00100	0.010	MCL/HBL	No Exceedance
MW-23	UA	A7R	Arsenic, total	mg/L	02/26/21 - 05/20/24	14	42	CB around T-S line	0.00100	0.010	MCL/HBL	No Exceedance
MW-23	UA	A7D	Arsenic, total	mg/L	02/26/21 - 08/21/24	15	40	CB around T-S line	0.00100	0.010	MCL/HBL	No Exceedance
MW-23	UA	A7DR	Arsenic, total	mg/L	02/26/21 - 11/18/24	16	37	CB around T-S line	0.00100	0.010	MCL/HBL	No Exceedance
MW-23	UA	A7	Barium, total	mg/L	02/26/21 - 03/05/24	13	0	CI around mean	0.0835	2.0	MCL/HBL	No Exceedance
MW-23	UA	A7R	Barium, total	mg/L	02/26/21 - 05/20/24	14	0	CI around mean	0.0837	2.0	MCL/HBL	No Exceedance
MW-23	UA	A7D	Barium, total	mg/L	02/26/21 - 08/21/24	15	0	CI around mean	0.0855	2.0	MCL/HBL	No Exceedance
MW-23	UA	A7DR	Barium, total	mg/L	02/26/21 - 11/18/24	16	0	CI around median	0.0928	2.0	MCL/HBL	No Exceedance
MW-23	UA	A7	Beryllium, total	mg/L	02/26/21 - 03/05/24	13	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-23	UA	A7R	Beryllium, total	mg/L	02/26/21 - 05/20/24	14	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-23	UA	A7D	Beryllium, total	mg/L	02/26/21 - 08/21/24	15	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-23	UA	A7DR	Beryllium, total	mg/L	02/26/21 - 11/18/24	16	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-23	UA	A7	Cadmium, total	mg/L	02/26/21 - 03/05/24	13	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-23	UA	A7R	Cadmium, total	mg/L	02/26/21 - 05/20/24	14	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-23	UA	A7D	Cadmium, total	mg/L	02/26/21 - 08/21/24	15	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-23	UA	A7DR	Cadmium, total	mg/L	02/26/21 - 11/18/24	16	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-23	UA	A7	Chromium, total	mg/L	02/26/21 - 03/05/24	13	100	All ND - Last	0.0015	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
KINCAID POWER PLANT
ASH POND
KINCAID, IL

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-23	UA	A7R	Chromium, total	mg/L	02/26/21 - 05/20/24	14	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
MW-23	UA	A7D	Chromium, total	mg/L	02/26/21 - 08/21/24	15	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
MW-23	UA	A7DR	Chromium, total	mg/L	02/26/21 - 11/18/24	16	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
MW-23	UA	A7	Cobalt, total	mg/L	02/26/21 - 03/05/24	13	38	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-23	UA	A7R	Cobalt, total	mg/L	02/26/21 - 05/20/24	14	35	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-23	UA	A7D	Cobalt, total	mg/L	02/26/21 - 08/21/24	15	40	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-23	UA	A7DR	Cobalt, total	mg/L	02/26/21 - 11/18/24	16	37	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-23	UA	A7	Fluoride, total	mg/L	02/26/21 - 03/05/24	13	0	CI around mean	0.345	4.0	MCL/HBL	No Exceedance
MW-23	UA	A7R	Fluoride, total	mg/L	02/26/21 - 05/20/24	14	0	CI around mean	0.344	4.0	MCL/HBL	No Exceedance
MW-23	UA	A7D	Fluoride, total	mg/L	02/26/21 - 08/21/24	15	6	CI around mean	0.328	4.0	MCL/HBL	No Exceedance
MW-23	UA	A7DR	Fluoride, total	mg/L	02/26/21 - 11/18/24	16	12	CI around median	0.330	4.0	MCL/HBL	No Exceedance
MW-23	UA	A7	Lead, total	mg/L	02/26/21 - 03/05/24	13	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
MW-23	UA	A7R	Lead, total	mg/L	02/26/21 - 05/20/24	14	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
MW-23	UA	A7D	Lead, total	mg/L	02/26/21 - 08/21/24	15	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
MW-23	UA	A7DR	Lead, total	mg/L	02/26/21 - 11/18/24	16	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
MW-23	UA	A7	Lithium, total	mg/L	02/26/21 - 03/05/24	13	100	All ND - Last	0.003	0.04	MCL/HBL	No Exceedance
MW-23	UA	A7R	Lithium, total	mg/L	02/26/21 - 05/20/24	14	100	All ND - Last	0.003	0.04	MCL/HBL	No Exceedance
MW-23	UA	A7D	Lithium, total	mg/L	02/26/21 - 08/21/24	15	100	All ND - Last	0.003	0.04	MCL/HBL	No Exceedance
MW-23	UA	A7DR	Lithium, total	mg/L	02/26/21 - 11/18/24	16	100	All ND - Last	0.003	0.04	MCL/HBL	No Exceedance
MW-23	UA	A7	Mercury, total	mg/L	02/26/21 - 03/05/24	13	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-23	UA	A7R	Mercury, total	mg/L	02/26/21 - 05/20/24	14	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-23	UA	A7D	Mercury, total	mg/L	02/26/21 - 08/21/24	15	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-23	UA	A7DR	Mercury, total	mg/L	02/26/21 - 11/18/24	16	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-23	UA	A7	Molybdenum, total	mg/L	02/26/21 - 03/05/24	13	92	CI around median	0.00150	0.1	MCL/HBL	No Exceedance
MW-23	UA	A7R	Molybdenum, total	mg/L	02/26/21 - 05/20/24	14	92	CI around median	0.00150	0.1	MCL/HBL	No Exceedance
MW-23	UA	A7D	Molybdenum, total	mg/L	02/26/21 - 08/21/24	15	93	CI around median	0.00150	0.1	MCL/HBL	No Exceedance
MW-23	UA	A7DR	Molybdenum, total	mg/L	02/26/21 - 11/18/24	16	93	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
KINCAID POWER PLANT
ASH POND
KINCAID, IL

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-23	UA	A7	Radium 226 + Radium 228, total	pCi/L	02/26/21 - 03/05/24	13	0	CI around mean	0.272	5	MCL/HBL	No Exceedance
MW-23	UA	A7R	Radium 226 + Radium 228, total	pCi/L	02/26/21 - 05/20/24	14	0	CI around mean	0.236	5	MCL/HBL	No Exceedance
MW-23	UA	A7D	Radium 226 + Radium 228, total	pCi/L	02/26/21 - 08/21/24	15	0	CI around mean	0.263	5	MCL/HBL	No Exceedance
MW-23	UA	A7DR	Radium 226 + Radium 228, total	pCi/L	02/26/21 - 11/18/24	16	0	CI around mean	0.249	5	MCL/HBL	No Exceedance
MW-23	UA	A7	Selenium, total	mg/L	02/26/21 - 03/05/24	13	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-23	UA	A7R	Selenium, total	mg/L	02/26/21 - 05/20/24	14	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-23	UA	A7D	Selenium, total	mg/L	02/26/21 - 08/21/24	15	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-23	UA	A7DR	Selenium, total	mg/L	02/26/21 - 11/18/24	16	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-23	UA	A7	Thallium, total	mg/L	02/26/21 - 03/05/24	13	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-23	UA	A7R	Thallium, total	mg/L	02/26/21 - 05/20/24	14	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-23	UA	A7D	Thallium, total	mg/L	02/26/21 - 08/21/24	15	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-23	UA	A7DR	Thallium, total	mg/L	02/26/21 - 11/18/24	16	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-27	USCU	A7	Antimony, total	mg/L	02/24/21 - 03/05/24	10	80	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-27	USCU	A7R	Antimony, total	mg/L	02/24/21 - 05/21/24	11	81	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-27	USCU	A7D	Antimony, total	mg/L	02/24/21 - 08/21/24	12	83	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-27	USCU	A7	Arsenic, total	mg/L	02/24/21 - 03/05/24	10	0	CI around geomean	0.00361	0.010	MCL/HBL	No Exceedance
MW-27	USCU	A7R	Arsenic, total	mg/L	02/24/21 - 05/21/24	11	0	CI around geomean	0.00377	0.010	MCL/HBL	No Exceedance
MW-27	USCU	A7D	Arsenic, total	mg/L	02/24/21 - 08/21/24	12	0	CI around geomean	0.00376	0.010	MCL/HBL	No Exceedance
MW-27	USCU	A7	Barium, total	mg/L	02/24/21 - 03/05/24	10	0	CI around geomean	0.0832	2.0	MCL/HBL	No Exceedance
MW-27	USCU	A7R	Barium, total	mg/L	02/24/21 - 05/21/24	11	0	CI around geomean	0.0864	2.0	MCL/HBL	No Exceedance
MW-27	USCU	A7D	Barium, total	mg/L	02/24/21 - 08/21/24	12	0	CI around geomean	0.0895	2.0	MCL/HBL	No Exceedance
MW-27	USCU	A7	Beryllium, total	mg/L	02/24/21 - 03/05/24	10	70	CI around median	0.00100	0.004	MCL/HBL	No Exceedance
MW-27	USCU	A7R	Beryllium, total	mg/L	02/24/21 - 05/21/24	11	72	CI around median	0.00100	0.004	MCL/HBL	No Exceedance
MW-27	USCU	A7D	Beryllium, total	mg/L	02/24/21 - 08/21/24	12	75	CI around median	0.00100	0.004	MCL/HBL	No Exceedance
MW-27	USCU	A7	Cadmium, total	mg/L	02/24/21 - 03/05/24	10	90	CI around median	0.00100	0.005	MCL/HBL	No Exceedance
MW-27	USCU	A7R	Cadmium, total	mg/L	02/24/21 - 05/21/24	11	90	CI around median	0.00100	0.005	MCL/HBL	No Exceedance
MW-27	USCU	A7D	Cadmium, total	mg/L	02/24/21 - 08/21/24	12	91	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
KINCAID POWER PLANT
ASH POND
KINCAID, IL

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-27	USCU	A7	Chromium, total	mg/L	02/24/21 - 03/05/24	10	10	CI around geomean	0.00276	0.1	MCL/HBL	No Exceedance
MW-27	USCU	A7R	Chromium, total	mg/L	02/24/21 - 05/21/24	11	9	CI around geomean	0.00355	0.1	MCL/HBL	No Exceedance
MW-27	USCU	A7D	Chromium, total	mg/L	02/24/21 - 08/21/24	12	8	CI around geomean	0.00346	0.1	MCL/HBL	No Exceedance
MW-27	USCU	A7	Cobalt, total	mg/L	02/24/21 - 03/05/24	10	0	CI around geomean	0.00211	0.006	MCL/HBL	No Exceedance
MW-27	USCU	A7R	Cobalt, total	mg/L	02/24/21 - 05/21/24	11	0	CI around geomean	0.00240	0.006	MCL/HBL	No Exceedance
MW-27	USCU	A7D	Cobalt, total	mg/L	02/24/21 - 08/21/24	12	0	CI around geomean	0.00250	0.006	MCL/HBL	No Exceedance
MW-27	USCU	A7	Fluoride, total	mg/L	02/24/21 - 03/05/24	10	0	CI around median	0.170	4.0	MCL/HBL	No Exceedance
MW-27	USCU	A7R	Fluoride, total	mg/L	02/24/21 - 05/21/24	11	0	CI around median	0.170	4.0	MCL/HBL	No Exceedance
MW-27	USCU	A7D	Fluoride, total	mg/L	02/24/21 - 08/21/24	12	8	CI around median	0.170	4.0	MCL/HBL	No Exceedance
MW-27	USCU	A7	Lead, total	mg/L	02/24/21 - 03/05/24	10	10	CI around geomean	0.00140	0.015	MCL/HBL	No Exceedance
MW-27	USCU	A7R	Lead, total	mg/L	02/24/21 - 05/21/24	11	9	CI around geomean	0.00173	0.015	MCL/HBL	No Exceedance
MW-27	USCU	A7D	Lead, total	mg/L	02/24/21 - 08/21/24	12	8	CI around geomean	0.00161	0.015	MCL/HBL	No Exceedance
MW-27	USCU	A7	Lithium, total	mg/L	02/24/21 - 03/05/24	10	30	CI around geomean	0.00321	0.04	MCL/HBL	No Exceedance
MW-27	USCU	A7R	Lithium, total	mg/L	02/24/21 - 05/21/24	11	27	CI around geomean	0.00364	0.04	MCL/HBL	No Exceedance
MW-27	USCU	A7D	Lithium, total	mg/L	02/24/21 - 08/21/24	12	25	CI around geomean	0.00358	0.04	MCL/HBL	No Exceedance
MW-27	USCU	A7	Mercury, total	mg/L	02/24/21 - 03/05/24	10	80	CI around median	0.000200	0.002	MCL/HBL	No Exceedance
MW-27	USCU	A7R	Mercury, total	mg/L	02/24/21 - 05/21/24	11	81	CI around median	0.000200	0.002	MCL/HBL	No Exceedance
MW-27	USCU	A7D	Mercury, total	mg/L	02/24/21 - 08/21/24	12	83	CI around median	0.000200	0.002	MCL/HBL	No Exceedance
MW-27	USCU	A7	Molybdenum, total	mg/L	02/24/21 - 03/05/24	10	20	CI around geomean	0.00221	0.1	MCL/HBL	No Exceedance
MW-27	USCU	A7R	Molybdenum, total	mg/L	02/24/21 - 05/21/24	11	18	CI around geomean	0.00224	0.1	MCL/HBL	No Exceedance
MW-27	USCU	A7D	Molybdenum, total	mg/L	02/24/21 - 08/21/24	12	16	CI around geomean	0.00227	0.1	MCL/HBL	No Exceedance
MW-27	USCU	A7	Radium 226 + Radium 228, total	pCi/L	02/24/21 - 03/05/24	10	0	CI around geomean	0.364	5	MCL/HBL	No Exceedance
MW-27	USCU	A7R	Radium 226 + Radium 228, total	pCi/L	02/24/21 - 05/21/24	11	0	CI around geomean	0.425	5	MCL/HBL	No Exceedance
MW-27	USCU	A7D	Radium 226 + Radium 228, total	pCi/L	02/24/21 - 08/21/24	12	0	CI around geomean	0.461	5	MCL/HBL	No Exceedance
MW-27	USCU	A7	Selenium, total	mg/L	02/24/21 - 03/05/24	10	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-27	USCU	A7R	Selenium, total	mg/L	02/24/21 - 05/21/24	11	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-27	USCU	A7D	Selenium, total	mg/L	02/24/21 - 08/21/24	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
KINCAID POWER PLANT
ASH POND
KINCAID, IL

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-27	USCU	A7	Thallium, total	mg/L	02/24/21 - 03/05/24	10	90	CI around median	0.00200	0.002	MCL/HBL	No Exceedance
MW-27	USCU	A7R	Thallium, total	mg/L	02/24/21 - 05/21/24	11	90	CI around median	0.00200	0.002	MCL/HBL	No Exceedance
MW-27	USCU	A7D	Thallium, total	mg/L	02/24/21 - 08/21/24	12	91	CI around median	0.00200	0.002	MCL/HBL	No Exceedance
MW-28	UA	A7	Antimony, total	mg/L	02/24/21 - 03/06/24	13	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-28	UA	A7R	Antimony, total	mg/L	02/24/21 - 05/20/24	14	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-28	UA	A7D	Antimony, total	mg/L	02/24/21 - 08/20/24	15	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-28	UA	A7DR	Antimony, total	mg/L	02/24/21 - 11/19/24	16	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-28	UA	A7	Arsenic, total	mg/L	02/24/21 - 03/06/24	13	100	All ND - Last	0.001	0.010	MCL/HBL	No Exceedance
MW-28	UA	A7R	Arsenic, total	mg/L	02/24/21 - 05/20/24	14	100	All ND - Last	0.001	0.010	MCL/HBL	No Exceedance
MW-28	UA	A7D	Arsenic, total	mg/L	02/24/21 - 08/20/24	15	100	All ND - Last	0.001	0.010	MCL/HBL	No Exceedance
MW-28	UA	A7DR	Arsenic, total	mg/L	02/24/21 - 11/19/24	16	100	All ND - Last	0.001	0.010	MCL/HBL	No Exceedance
MW-28	UA	A7	Barium, total	mg/L	02/24/21 - 03/06/24	13	0	CI around mean	0.0224	2.0	MCL/HBL	No Exceedance
MW-28	UA	A7R	Barium, total	mg/L	02/24/21 - 05/20/24	14	0	CI around mean	0.0226	2.0	MCL/HBL	No Exceedance
MW-28	UA	A7D	Barium, total	mg/L	02/24/21 - 08/20/24	15	0	CI around mean	0.0228	2.0	MCL/HBL	No Exceedance
MW-28	UA	A7DR	Barium, total	mg/L	02/24/21 - 11/19/24	16	0	CI around mean	0.0231	2.0	MCL/HBL	No Exceedance
MW-28	UA	A7	Beryllium, total	mg/L	02/24/21 - 03/06/24	13	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-28	UA	A7R	Beryllium, total	mg/L	02/24/21 - 05/20/24	14	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-28	UA	A7D	Beryllium, total	mg/L	02/24/21 - 08/20/24	15	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-28	UA	A7DR	Beryllium, total	mg/L	02/24/21 - 11/19/24	16	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-28	UA	A7	Cadmium, total	mg/L	02/24/21 - 03/06/24	13	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-28	UA	A7R	Cadmium, total	mg/L	02/24/21 - 05/20/24	14	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-28	UA	A7D	Cadmium, total	mg/L	02/24/21 - 08/20/24	15	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-28	UA	A7DR	Cadmium, total	mg/L	02/24/21 - 11/19/24	16	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-28	UA	A7	Chromium, total	mg/L	02/24/21 - 03/06/24	13	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
MW-28	UA	A7R	Chromium, total	mg/L	02/24/21 - 05/20/24	14	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
MW-28	UA	A7D	Chromium, total	mg/L	02/24/21 - 08/20/24	15	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
MW-28	UA	A7DR	Chromium, total	mg/L	02/24/21 - 11/19/24	16	100	All ND - Last	0.0015	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
KINCAID POWER PLANT
ASH POND
KINCAID, IL

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-28	UA	A7	Cobalt, total	mg/L	02/24/21 - 03/06/24	13	84	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-28	UA	A7R	Cobalt, total	mg/L	02/24/21 - 05/20/24	14	85	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-28	UA	A7D	Cobalt, total	mg/L	02/24/21 - 08/20/24	15	86	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-28	UA	A7DR	Cobalt, total	mg/L	02/24/21 - 11/19/24	16	87	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-28	UA	A7	Fluoride, total	mg/L	02/24/21 - 03/06/24	13	0	CI around median	0.130	4.0	MCL/HBL	No Exceedance
MW-28	UA	A7R	Fluoride, total	mg/L	02/24/21 - 05/20/24	14	0	CI around median	0.130	4.0	MCL/HBL	No Exceedance
MW-28	UA	A7D	Fluoride, total	mg/L	02/24/21 - 08/20/24	15	6	CI around median	0.130	4.0	MCL/HBL	No Exceedance
MW-28	UA	A7DR	Fluoride, total	mg/L	02/24/21 - 11/19/24	16	12	CI around median	0.130	4.0	MCL/HBL	No Exceedance
MW-28	UA	A7	Lead, total	mg/L	02/24/21 - 03/06/24	13	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
MW-28	UA	A7R	Lead, total	mg/L	02/24/21 - 05/20/24	14	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
MW-28	UA	A7D	Lead, total	mg/L	02/24/21 - 08/20/24	15	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
MW-28	UA	A7DR	Lead, total	mg/L	02/24/21 - 11/19/24	16	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
MW-28	UA	A7	Lithium, total	mg/L	02/24/21 - 03/06/24	13	0	CI around mean	0.00610	0.04	MCL/HBL	No Exceedance
MW-28	UA	A7R	Lithium, total	mg/L	02/24/21 - 05/20/24	14	0	CI around mean	0.00618	0.04	MCL/HBL	No Exceedance
MW-28	UA	A7D	Lithium, total	mg/L	02/24/21 - 08/20/24	15	0	CI around mean	0.00616	0.04	MCL/HBL	No Exceedance
MW-28	UA	A7DR	Lithium, total	mg/L	02/24/21 - 11/19/24	16	0	CI around mean	0.00612	0.04	MCL/HBL	No Exceedance
MW-28	UA	A7	Mercury, total	mg/L	02/24/21 - 03/06/24	13	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-28	UA	A7R	Mercury, total	mg/L	02/24/21 - 05/20/24	14	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-28	UA	A7D	Mercury, total	mg/L	02/24/21 - 08/20/24	15	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-28	UA	A7DR	Mercury, total	mg/L	02/24/21 - 11/19/24	16	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-28	UA	A7	Molybdenum, total	mg/L	02/24/21 - 03/06/24	13	92	CI around median	0.00150	0.1	MCL/HBL	No Exceedance
MW-28	UA	A7R	Molybdenum, total	mg/L	02/24/21 - 05/20/24	14	92	CI around median	0.00150	0.1	MCL/HBL	No Exceedance
MW-28	UA	A7D	Molybdenum, total	mg/L	02/24/21 - 08/20/24	15	93	CI around median	0.00150	0.1	MCL/HBL	No Exceedance
MW-28	UA	A7DR	Molybdenum, total	mg/L	02/24/21 - 11/19/24	16	93	CI around median	0.00150	0.1	MCL/HBL	No Exceedance
MW-28	UA	A7	Radium 226 + Radium 228, total	pCi/L	02/24/21 - 03/06/24	13	0	CB around linear reg	0.421	5	MCL/HBL	No Exceedance
MW-28	UA	A7R	Radium 226 + Radium 228, total	pCi/L	02/24/21 - 05/20/24	14	0	CB around linear reg	0.251	5	MCL/HBL	No Exceedance
MW-28	UA	A7D	Radium 226 + Radium 228, total	pCi/L	02/24/21 - 08/20/24	15	0	CB around linear reg	0.336	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
KINCAID POWER PLANT
ASH POND
KINCAID, IL

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-28	UA	A7DR	Radium 226 + Radium 228, total	pCi/L	02/24/21 - 11/19/24	16	0	CB around linear reg	0.340	5	MCL/HBL	No Exceedance
MW-28	UA	A7	Selenium, total	mg/L	02/24/21 - 03/06/24	13	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-28	UA	A7R	Selenium, total	mg/L	02/24/21 - 05/20/24	14	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-28	UA	A7D	Selenium, total	mg/L	02/24/21 - 08/20/24	15	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-28	UA	A7DR	Selenium, total	mg/L	02/24/21 - 11/19/24	16	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-28	UA	A7	Thallium, total	mg/L	02/24/21 - 03/06/24	13	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-28	UA	A7R	Thallium, total	mg/L	02/24/21 - 05/20/24	14	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-28	UA	A7D	Thallium, total	mg/L	02/24/21 - 08/20/24	15	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-28	UA	A7DR	Thallium, total	mg/L	02/24/21 - 11/19/24	16	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-30	UA	A7	Antimony, total	mg/L	02/25/21 - 03/06/24	13	92	Most recent sample	0.00100	0.006	MCL/HBL	No Exceedance
MW-30	UA	A7R	Antimony, total	mg/L	02/25/21 - 05/20/24	14	92	Most recent sample	0.00100	0.006	MCL/HBL	No Exceedance
MW-30	UA	A7D	Antimony, total	mg/L	02/25/21 - 08/20/24	15	93	Most recent sample	0.00100	0.006	MCL/HBL	No Exceedance
MW-30	UA	A7DR	Antimony, total	mg/L	02/25/21 - 11/19/24	16	93	Most recent sample	0.00100	0.006	MCL/HBL	No Exceedance
MW-30	UA	A7	Arsenic, total	mg/L	02/25/21 - 03/06/24	13	7	CB around linear reg	0.00309	0.010	MCL/HBL	No Exceedance
MW-30	UA	A7R	Arsenic, total	mg/L	02/25/21 - 05/20/24	14	7	CB around linear reg	0.00427	0.010	MCL/HBL	No Exceedance
MW-30	UA	A7D	Arsenic, total	mg/L	02/25/21 - 08/20/24	15	6	CB around linear reg	0.00561	0.010	MCL/HBL	No Exceedance
MW-30	UA	A7DR	Arsenic, total	mg/L	02/25/21 - 11/19/24	16	6	CB around linear reg	0.00711	0.010	MCL/HBL	No Exceedance
MW-30	UA	A7	Barium, total	mg/L	02/25/21 - 03/06/24	13	0	CI around mean	0.152	2.0	MCL/HBL	No Exceedance
MW-30	UA	A7R	Barium, total	mg/L	02/25/21 - 05/20/24	14	0	CI around mean	0.153	2.0	MCL/HBL	No Exceedance
MW-30	UA	A7D	Barium, total	mg/L	02/25/21 - 08/20/24	15	0	CI around mean	0.154	2.0	MCL/HBL	No Exceedance
MW-30	UA	A7DR	Barium, total	mg/L	02/25/21 - 11/19/24	16	0	CI around mean	0.155	2.0	MCL/HBL	No Exceedance
MW-30	UA	A7	Beryllium, total	mg/L	02/25/21 - 03/06/24	13	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-30	UA	A7R	Beryllium, total	mg/L	02/25/21 - 05/20/24	14	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-30	UA	A7D	Beryllium, total	mg/L	02/25/21 - 08/20/24	15	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-30	UA	A7DR	Beryllium, total	mg/L	02/25/21 - 11/19/24	16	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-30	UA	A7	Cadmium, total	mg/L	02/25/21 - 03/06/24	13	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-30	UA	A7R	Cadmium, total	mg/L	02/25/21 - 05/20/24	14	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
KINCAID POWER PLANT
ASH POND
KINCAID, IL

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-30	UA	A7D	Cadmium, total	mg/L	02/25/21 - 08/20/24	15	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-30	UA	A7DR	Cadmium, total	mg/L	02/25/21 - 11/19/24	16	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-30	UA	A7	Chromium, total	mg/L	02/25/21 - 03/06/24	13	76	CI around median	0.00150	0.1	MCL/HBL	No Exceedance
MW-30	UA	A7R	Chromium, total	mg/L	02/25/21 - 05/20/24	14	78	CI around median	0.00150	0.1	MCL/HBL	No Exceedance
MW-30	UA	A7D	Chromium, total	mg/L	02/25/21 - 08/20/24	15	80	CI around median	0.00150	0.1	MCL/HBL	No Exceedance
MW-30	UA	A7DR	Chromium, total	mg/L	02/25/21 - 11/19/24	16	81	CI around median	0.00150	0.1	MCL/HBL	No Exceedance
MW-30	UA	A7	Cobalt, total	mg/L	02/25/21 - 03/06/24	13	0	CI around mean	0.00202	0.006	MCL/HBL	No Exceedance
MW-30	UA	A7R	Cobalt, total	mg/L	02/25/21 - 05/20/24	14	0	CI around mean	0.00207	0.006	MCL/HBL	No Exceedance
MW-30	UA	A7D	Cobalt, total	mg/L	02/25/21 - 08/20/24	15	0	CI around mean	0.00202	0.006	MCL/HBL	No Exceedance
MW-30	UA	A7DR	Cobalt, total	mg/L	02/25/21 - 11/19/24	16	0	CI around mean	0.00205	0.006	MCL/HBL	No Exceedance
MW-30	UA	A7	Fluoride, total	mg/L	02/25/21 - 03/06/24	13	0	CB around linear reg	0.311	4.0	MCL/HBL	No Exceedance
MW-30	UA	A7R	Fluoride, total	mg/L	02/25/21 - 05/20/24	14	0	CB around T-S line	0.323	4.0	MCL/HBL	No Exceedance
MW-30	UA	A7D	Fluoride, total	mg/L	02/25/21 - 08/20/24	15	6	CB around T-S line	0.260	4.0	MCL/HBL	No Exceedance
MW-30	UA	A7DR	Fluoride, total	mg/L	02/25/21 - 11/19/24	16	12	CB around T-S line	0.250	4.0	MCL/HBL	No Exceedance
MW-30	UA	A7	Lead, total	mg/L	02/25/21 - 03/06/24	13	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
MW-30	UA	A7R	Lead, total	mg/L	02/25/21 - 05/20/24	14	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
MW-30	UA	A7D	Lead, total	mg/L	02/25/21 - 08/20/24	15	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
MW-30	UA	A7DR	Lead, total	mg/L	02/25/21 - 11/19/24	16	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
MW-30	UA	A7	Lithium, total	mg/L	02/25/21 - 03/06/24	13	84	CB around T-S line	-0.00522	0.04	MCL/HBL	No Exceedance
MW-30	UA	A7R	Lithium, total	mg/L	02/25/21 - 05/20/24	14	85	CB around T-S line	-0.00594	0.04	MCL/HBL	No Exceedance
MW-30	UA	A7D	Lithium, total	mg/L	02/25/21 - 08/20/24	15	86	CB around T-S line	-0.000404	0.04	MCL/HBL	No Exceedance
MW-30	UA	A7DR	Lithium, total	mg/L	02/25/21 - 11/19/24	16	87	CB around T-S line	0.000824	0.04	MCL/HBL	No Exceedance
MW-30	UA	A7	Mercury, total	mg/L	02/25/21 - 03/06/24	13	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-30	UA	A7R	Mercury, total	mg/L	02/25/21 - 05/20/24	14	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-30	UA	A7D	Mercury, total	mg/L	02/25/21 - 08/20/24	15	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-30	UA	A7DR	Mercury, total	mg/L	02/25/21 - 11/19/24	16	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-30	UA	A7	Molybdenum, total	mg/L	02/25/21 - 03/06/24	13	30	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
KINCAID POWER PLANT
ASH POND
KINCAID, IL

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-30	UA	A7R	Molybdenum, total	mg/L	02/25/21 - 05/20/24	14	28	CI around median	0.00150	0.1	MCL/HBL	No Exceedance
MW-30	UA	A7D	Molybdenum, total	mg/L	02/25/21 - 08/20/24	15	33	CI around median	0.00150	0.1	MCL/HBL	No Exceedance
MW-30	UA	A7DR	Molybdenum, total	mg/L	02/25/21 - 11/19/24	16	31	CI around median	0.00150	0.1	MCL/HBL	No Exceedance
MW-30	UA	A7	Radium 226 + Radium 228, total	pCi/L	02/25/21 - 03/06/24	13	0	CI around geomean	0.606	5	MCL/HBL	No Exceedance
MW-30	UA	A7R	Radium 226 + Radium 228, total	pCi/L	02/25/21 - 05/20/24	14	0	CI around geomean	0.576	5	MCL/HBL	No Exceedance
MW-30	UA	A7D	Radium 226 + Radium 228, total	pCi/L	02/25/21 - 08/20/24	15	0	CI around geomean	0.591	5	MCL/HBL	No Exceedance
MW-30	UA	A7DR	Radium 226 + Radium 228, total	pCi/L	02/25/21 - 11/19/24	16	0	CI around geomean	0.595	5	MCL/HBL	No Exceedance
MW-30	UA	A7	Selenium, total	mg/L	02/25/21 - 03/06/24	13	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-30	UA	A7R	Selenium, total	mg/L	02/25/21 - 05/20/24	14	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-30	UA	A7D	Selenium, total	mg/L	02/25/21 - 08/20/24	15	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-30	UA	A7DR	Selenium, total	mg/L	02/25/21 - 11/19/24	16	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-30	UA	A7	Thallium, total	mg/L	02/25/21 - 03/06/24	13	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-30	UA	A7R	Thallium, total	mg/L	02/25/21 - 05/20/24	14	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-30	UA	A7D	Thallium, total	mg/L	02/25/21 - 08/20/24	15	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-30	UA	A7DR	Thallium, total	mg/L	02/25/21 - 11/19/24	16	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-31	UA	A7	Antimony, total	mg/L	02/24/21 - 03/06/24	13	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-31	UA	A7R	Antimony, total	mg/L	02/24/21 - 05/21/24	14	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-31	UA	A7D	Antimony, total	mg/L	02/24/21 - 08/21/24	15	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-31	UA	A7DR	Antimony, total	mg/L	02/24/21 - 11/18/24	16	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-31	UA	A7	Arsenic, total	mg/L	02/24/21 - 03/06/24	13	7	CI around mean	0.00246	0.010	MCL/HBL	No Exceedance
MW-31	UA	A7R	Arsenic, total	mg/L	02/24/21 - 05/21/24	14	7	CI around mean	0.00251	0.010	MCL/HBL	No Exceedance
MW-31	UA	A7D	Arsenic, total	mg/L	02/24/21 - 08/21/24	15	6	CI around mean	0.00248	0.010	MCL/HBL	No Exceedance
MW-31	UA	A7DR	Arsenic, total	mg/L	02/24/21 - 11/18/24	16	6	CI around geomean	0.00252	0.010	MCL/HBL	No Exceedance
MW-31	UA	A7	Barium, total	mg/L	02/24/21 - 03/06/24	13	0	CI around mean	0.214	2.0	MCL/HBL	No Exceedance
MW-31	UA	A7R	Barium, total	mg/L	02/24/21 - 05/21/24	14	0	CI around mean	0.212	2.0	MCL/HBL	No Exceedance
MW-31	UA	A7D	Barium, total	mg/L	02/24/21 - 08/21/24	15	0	CI around mean	0.213	2.0	MCL/HBL	No Exceedance
MW-31	UA	A7DR	Barium, total	mg/L	02/24/21 - 11/18/24	16	0	CI around mean	0.212	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
KINCAID POWER PLANT
ASH POND
KINCAID, IL

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-31	UA	A7	Beryllium, total	mg/L	02/24/21 - 03/06/24	13	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-31	UA	A7R	Beryllium, total	mg/L	02/24/21 - 05/21/24	14	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-31	UA	A7D	Beryllium, total	mg/L	02/24/21 - 08/21/24	15	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-31	UA	A7DR	Beryllium, total	mg/L	02/24/21 - 11/18/24	16	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-31	UA	A7	Cadmium, total	mg/L	02/24/21 - 03/06/24	13	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-31	UA	A7R	Cadmium, total	mg/L	02/24/21 - 05/21/24	14	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-31	UA	A7D	Cadmium, total	mg/L	02/24/21 - 08/21/24	15	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-31	UA	A7DR	Cadmium, total	mg/L	02/24/21 - 11/18/24	16	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-31	UA	A7	Chromium, total	mg/L	02/24/21 - 03/06/24	13	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
MW-31	UA	A7R	Chromium, total	mg/L	02/24/21 - 05/21/24	14	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
MW-31	UA	A7D	Chromium, total	mg/L	02/24/21 - 08/21/24	15	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
MW-31	UA	A7DR	Chromium, total	mg/L	02/24/21 - 11/18/24	16	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
MW-31	UA	A7	Cobalt, total	mg/L	02/24/21 - 03/06/24	13	76	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-31	UA	A7R	Cobalt, total	mg/L	02/24/21 - 05/21/24	14	71	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-31	UA	A7D	Cobalt, total	mg/L	02/24/21 - 08/21/24	15	73	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-31	UA	A7DR	Cobalt, total	mg/L	02/24/21 - 11/18/24	16	68	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-31	UA	A7	Fluoride, total	mg/L	02/24/21 - 03/06/24	13	0	CI around median	0.170	4.0	MCL/HBL	No Exceedance
MW-31	UA	A7R	Fluoride, total	mg/L	02/24/21 - 05/21/24	14	0	CI around median	0.170	4.0	MCL/HBL	No Exceedance
MW-31	UA	A7D	Fluoride, total	mg/L	02/24/21 - 08/21/24	15	6	CI around median	0.170	4.0	MCL/HBL	No Exceedance
MW-31	UA	A7DR	Fluoride, total	mg/L	02/24/21 - 11/18/24	16	12	CI around median	0.170	4.0	MCL/HBL	No Exceedance
MW-31	UA	A7	Lead, total	mg/L	02/24/21 - 03/06/24	13	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
MW-31	UA	A7R	Lead, total	mg/L	02/24/21 - 05/21/24	14	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
MW-31	UA	A7D	Lead, total	mg/L	02/24/21 - 08/21/24	15	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
MW-31	UA	A7DR	Lead, total	mg/L	02/24/21 - 11/18/24	16	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
MW-31	UA	A7	Lithium, total	mg/L	02/24/21 - 03/06/24	13	0	CI around mean	0.00479	0.04	MCL/HBL	No Exceedance
MW-31	UA	A7R	Lithium, total	mg/L	02/24/21 - 05/21/24	14	0	CI around mean	0.00458	0.04	MCL/HBL	No Exceedance
MW-31	UA	A7D	Lithium, total	mg/L	02/24/21 - 08/21/24	15	0	CI around mean	0.00455	0.04	MCL/HBL	No Exceedance

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

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-31	UA	A7DR	Lithium, total	mg/L	02/24/21 - 11/18/24	16	0	CI around mean	0.00450	0.04	MCL/HBL	No Exceedance
MW-31	UA	A7	Mercury, total	mg/L	02/24/21 - 03/06/24	13	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-31	UA	A7R	Mercury, total	mg/L	02/24/21 - 05/21/24	14	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-31	UA	A7D	Mercury, total	mg/L	02/24/21 - 08/21/24	15	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-31	UA	A7DR	Mercury, total	mg/L	02/24/21 - 11/18/24	16	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-31	UA	A7	Molybdenum, total	mg/L	02/24/21 - 03/06/24	13	53	CB around T-S line	-0.00557	0.1	MCL/HBL	No Exceedance
MW-31	UA	A7R	Molybdenum, total	mg/L	02/24/21 - 05/21/24	14	57	CB around T-S line	-0.00469	0.1	MCL/HBL	No Exceedance
MW-31	UA	A7D	Molybdenum, total	mg/L	02/24/21 - 08/21/24	15	60	CB around T-S line	-0.00475	0.1	MCL/HBL	No Exceedance
MW-31	UA	A7DR	Molybdenum, total	mg/L	02/24/21 - 11/18/24	16	62	CB around T-S line	-0.00120	0.1	MCL/HBL	No Exceedance
MW-31	UA	A7	Radium 226 + Radium 228, total	pCi/L	02/24/21 - 03/06/24	13	0	CI around mean	0.620	5	MCL/HBL	No Exceedance
MW-31	UA	A7R	Radium 226 + Radium 228, total	pCi/L	02/24/21 - 05/21/24	14	0	CI around mean	0.593	5	MCL/HBL	No Exceedance
MW-31	UA	A7D	Radium 226 + Radium 228, total	pCi/L	02/24/21 - 08/21/24	15	0	CI around mean	0.600	5	MCL/HBL	No Exceedance
MW-31	UA	A7DR	Radium 226 + Radium 228, total	pCi/L	02/24/21 - 11/18/24	16	0	CI around mean	0.586	5	MCL/HBL	No Exceedance
MW-31	UA	A7	Selenium, total	mg/L	02/24/21 - 03/06/24	13	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-31	UA	A7R	Selenium, total	mg/L	02/24/21 - 05/21/24	14	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-31	UA	A7D	Selenium, total	mg/L	02/24/21 - 08/21/24	15	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-31	UA	A7DR	Selenium, total	mg/L	02/24/21 - 11/18/24	16	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-31	UA	A7	Thallium, total	mg/L	02/24/21 - 03/06/24	13	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-31	UA	A7R	Thallium, total	mg/L	02/24/21 - 05/21/24	14	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-31	UA	A7D	Thallium, total	mg/L	02/24/21 - 08/21/24	15	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-31	UA	A7DR	Thallium, total	mg/L	02/24/21 - 11/18/24	16	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-31S	USCU	A7	Antimony, total	mg/L	02/24/21 - 03/04/24	12	83	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-31S	USCU	A7R	Antimony, total	mg/L	02/24/21 - 05/21/24	13	84	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-31S	USCU	A7D	Antimony, total	mg/L	02/24/21 - 08/21/24	14	85	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-31S	USCU	A7DR	Antimony, total	mg/L	02/24/21 - 11/19/24	15	86	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-31S	USCU	A7	Arsenic, total	mg/L	02/24/21 - 03/04/24	12	0	CI around mean	0.00602	0.010	MCL/HBL	No Exceedance
MW-31S	USCU	A7R	Arsenic, total	mg/L	02/24/21 - 05/21/24	13	0	CI around mean	0.00588	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
KINCAID POWER PLANT
ASH POND
KINCAID, IL

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-31S	USCU	A7D	Arsenic, total	mg/L	02/24/21 - 08/21/24	14	0	CI around mean	0.00654	0.010	MCL/HBL	No Exceedance
MW-31S	USCU	A7DR	Arsenic, total	mg/L	02/24/21 - 11/19/24	15	0	CI around mean	0.00716	0.010	MCL/HBL	No Exceedance
MW-31S	USCU	A7	Barium, total	mg/L	02/24/21 - 03/04/24	12	0	CI around geomean	0.206	2.0	MCL/HBL	No Exceedance
MW-31S	USCU	A7R	Barium, total	mg/L	02/24/21 - 05/21/24	13	0	CI around geomean	0.207	2.0	MCL/HBL	No Exceedance
MW-31S	USCU	A7D	Barium, total	mg/L	02/24/21 - 08/21/24	14	0	CI around geomean	0.211	2.0	MCL/HBL	No Exceedance
MW-31S	USCU	A7DR	Barium, total	mg/L	02/24/21 - 11/19/24	15	0	CI around geomean	0.216	2.0	MCL/HBL	No Exceedance
MW-31S	USCU	A7	Beryllium, total	mg/L	02/24/21 - 03/04/24	12	91	CI around median	0.00100	0.004	MCL/HBL	No Exceedance
MW-31S	USCU	A7R	Beryllium, total	mg/L	02/24/21 - 05/21/24	13	92	CI around median	0.00100	0.004	MCL/HBL	No Exceedance
MW-31S	USCU	A7D	Beryllium, total	mg/L	02/24/21 - 08/21/24	14	92	CI around median	0.00100	0.004	MCL/HBL	No Exceedance
MW-31S	USCU	A7DR	Beryllium, total	mg/L	02/24/21 - 11/19/24	15	93	CI around median	0.00100	0.004	MCL/HBL	No Exceedance
MW-31S	USCU	A7	Cadmium, total	mg/L	02/24/21 - 03/04/24	12	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-31S	USCU	A7R	Cadmium, total	mg/L	02/24/21 - 05/21/24	13	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-31S	USCU	A7D	Cadmium, total	mg/L	02/24/21 - 08/21/24	14	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-31S	USCU	A7DR	Cadmium, total	mg/L	02/24/21 - 11/19/24	15	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-31S	USCU	A7	Chromium, total	mg/L	02/24/21 - 03/04/24	12	50	CI around median	0.00150	0.1	MCL/HBL	No Exceedance
MW-31S	USCU	A7R	Chromium, total	mg/L	02/24/21 - 05/21/24	13	53	CI around median	0.00150	0.1	MCL/HBL	No Exceedance
MW-31S	USCU	A7D	Chromium, total	mg/L	02/24/21 - 08/21/24	14	57	CI around median	0.00150	0.1	MCL/HBL	No Exceedance
MW-31S	USCU	A7DR	Chromium, total	mg/L	02/24/21 - 11/19/24	15	60	CI around median	0.00150	0.1	MCL/HBL	No Exceedance
MW-31S	USCU	A7	Cobalt, total	mg/L	02/24/21 - 03/04/24	12	0	CI around geomean	0.00310	0.006	MCL/HBL	No Exceedance
MW-31S	USCU	A7R	Cobalt, total	mg/L	02/24/21 - 05/21/24	13	0	CI around geomean	0.00266	0.006	MCL/HBL	No Exceedance
MW-31S	USCU	A7D	Cobalt, total	mg/L	02/24/21 - 08/21/24	14	0	CI around geomean	0.00238	0.006	MCL/HBL	No Exceedance
MW-31S	USCU	A7DR	Cobalt, total	mg/L	02/24/21 - 11/19/24	15	0	CI around geomean	0.00244	0.006	MCL/HBL	No Exceedance
MW-31S	USCU	A7	Fluoride, total	mg/L	02/24/21 - 03/04/24	11	0	CI around mean	0.219	4.0	MCL/HBL	No Exceedance
MW-31S	USCU	A7R	Fluoride, total	mg/L	02/24/21 - 05/21/24	12	0	CI around mean	0.217	4.0	MCL/HBL	No Exceedance
MW-31S	USCU	A7D	Fluoride, total	mg/L	02/24/21 - 08/21/24	13	7	CI around mean	0.220	4.0	MCL/HBL	No Exceedance
MW-31S	USCU	A7DR	Fluoride, total	mg/L	02/24/21 - 11/19/24	14	14	CI around mean	0.223	4.0	MCL/HBL	No Exceedance
MW-31S	USCU	A7	Lead, total	mg/L	02/24/21 - 03/04/24	12	33	CI around geomean	0.000877	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
KINCAID POWER PLANT
ASH POND
KINCAID, IL

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-31S	USCU	A7R	Lead, total	mg/L	02/24/21 - 05/21/24	13	38	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
MW-31S	USCU	A7D	Lead, total	mg/L	02/24/21 - 08/21/24	14	42	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
MW-31S	USCU	A7DR	Lead, total	mg/L	02/24/21 - 11/19/24	15	46	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
MW-31S	USCU	A7	Lithium, total	mg/L	02/24/21 - 03/04/24	12	58	CI around median	0.00300	0.04	MCL/HBL	No Exceedance
MW-31S	USCU	A7R	Lithium, total	mg/L	02/24/21 - 05/21/24	13	53	CI around median	0.00300	0.04	MCL/HBL	No Exceedance
MW-31S	USCU	A7D	Lithium, total	mg/L	02/24/21 - 08/21/24	14	57	CI around median	0.00300	0.04	MCL/HBL	No Exceedance
MW-31S	USCU	A7DR	Lithium, total	mg/L	02/24/21 - 11/19/24	15	60	CI around median	0.00300	0.04	MCL/HBL	No Exceedance
MW-31S	USCU	A7	Mercury, total	mg/L	02/24/21 - 03/04/24	12	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-31S	USCU	A7R	Mercury, total	mg/L	02/24/21 - 05/21/24	13	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-31S	USCU	A7D	Mercury, total	mg/L	02/24/21 - 08/21/24	14	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-31S	USCU	A7DR	Mercury, total	mg/L	02/24/21 - 11/19/24	15	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-31S	USCU	A7	Molybdenum, total	mg/L	02/24/21 - 03/04/24	12	33	CI around mean	0.00209	0.1	MCL/HBL	No Exceedance
MW-31S	USCU	A7R	Molybdenum, total	mg/L	02/24/21 - 05/21/24	13	38	CI around mean	0.00201	0.1	MCL/HBL	No Exceedance
MW-31S	USCU	A7D	Molybdenum, total	mg/L	02/24/21 - 08/21/24	14	42	CB around linear reg	-0.000667	0.1	MCL/HBL	No Exceedance
MW-31S	USCU	A7DR	Molybdenum, total	mg/L	02/24/21 - 11/19/24	15	46	CB around linear reg	-0.000593	0.1	MCL/HBL	No Exceedance
MW-31S	USCU	A7	Radium 226 + Radium 228, total	pCi/L	02/24/21 - 03/04/24	11	0	CI around mean	0.926	5	MCL/HBL	No Exceedance
MW-31S	USCU	A7R	Radium 226 + Radium 228, total	pCi/L	02/24/21 - 05/21/24	12	0	CI around mean	0.905	5	MCL/HBL	No Exceedance
MW-31S	USCU	A7D	Radium 226 + Radium 228, total	pCi/L	02/24/21 - 08/21/24	13	0	CI around mean	0.919	5	MCL/HBL	No Exceedance
MW-31S	USCU	A7DR	Radium 226 + Radium 228, total	pCi/L	02/24/21 - 11/19/24	14	0	CI around mean	0.869	5	MCL/HBL	No Exceedance
MW-31S	USCU	A7	Selenium, total	mg/L	02/24/21 - 03/04/24	12	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-31S	USCU	A7R	Selenium, total	mg/L	02/24/21 - 05/21/24	13	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-31S	USCU	A7D	Selenium, total	mg/L	02/24/21 - 08/21/24	14	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-31S	USCU	A7DR	Selenium, total	mg/L	02/24/21 - 11/19/24	15	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-31S	USCU	A7	Thallium, total	mg/L	02/24/21 - 03/04/24	12	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-31S	USCU	A7R	Thallium, total	mg/L	02/24/21 - 05/21/24	13	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-31S	USCU	A7D	Thallium, total	mg/L	02/24/21 - 08/21/24	14	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-31S	USCU	A7DR	Thallium, total	mg/L	02/24/21 - 11/19/24	15	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
KINCAID POWER PLANT
ASH POND
KINCAID, IL

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-32	UA	A7	Antimony, total	mg/L	02/25/21 - 03/06/24	13	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-32	UA	A7R	Antimony, total	mg/L	02/25/21 - 05/20/24	14	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-32	UA	A7D	Antimony, total	mg/L	02/25/21 - 08/20/24	15	93	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-32	UA	A7DR	Antimony, total	mg/L	02/25/21 - 11/18/24	16	93	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-32	UA	A7	Arsenic, total	mg/L	02/25/21 - 03/06/24	13	92	CI around median	0.00100	0.010	MCL/HBL	No Exceedance
MW-32	UA	A7R	Arsenic, total	mg/L	02/25/21 - 05/20/24	14	92	CI around median	0.00100	0.010	MCL/HBL	No Exceedance
MW-32	UA	A7D	Arsenic, total	mg/L	02/25/21 - 08/20/24	15	93	CI around median	0.00100	0.010	MCL/HBL	No Exceedance
MW-32	UA	A7DR	Arsenic, total	mg/L	02/25/21 - 11/18/24	16	93	CI around median	0.00100	0.010	MCL/HBL	No Exceedance
MW-32	UA	A7	Barium, total	mg/L	02/25/21 - 03/06/24	13	0	CB around linear reg	0.0286	2.0	MCL/HBL	No Exceedance
MW-32	UA	A7R	Barium, total	mg/L	02/25/21 - 05/20/24	14	0	CB around linear reg	0.0280	2.0	MCL/HBL	No Exceedance
MW-32	UA	A7D	Barium, total	mg/L	02/25/21 - 08/20/24	15	0	CB around linear reg	0.0273	2.0	MCL/HBL	No Exceedance
MW-32	UA	A7DR	Barium, total	mg/L	02/25/21 - 11/18/24	16	0	CB around linear reg	0.0261	2.0	MCL/HBL	No Exceedance
MW-32	UA	A7	Beryllium, total	mg/L	02/25/21 - 03/06/24	13	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-32	UA	A7R	Beryllium, total	mg/L	02/25/21 - 05/20/24	14	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-32	UA	A7D	Beryllium, total	mg/L	02/25/21 - 08/20/24	15	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-32	UA	A7DR	Beryllium, total	mg/L	02/25/21 - 11/18/24	16	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-32	UA	A7	Cadmium, total	mg/L	02/25/21 - 03/06/24	13	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-32	UA	A7R	Cadmium, total	mg/L	02/25/21 - 05/20/24	14	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-32	UA	A7D	Cadmium, total	mg/L	02/25/21 - 08/20/24	15	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-32	UA	A7DR	Cadmium, total	mg/L	02/25/21 - 11/18/24	16	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-32	UA	A7	Chromium, total	mg/L	02/25/21 - 03/06/24	13	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
MW-32	UA	A7R	Chromium, total	mg/L	02/25/21 - 05/20/24	14	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
MW-32	UA	A7D	Chromium, total	mg/L	02/25/21 - 08/20/24	15	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
MW-32	UA	A7DR	Chromium, total	mg/L	02/25/21 - 11/18/24	16	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
MW-32	UA	A7	Cobalt, total	mg/L	02/25/21 - 03/06/24	13	76	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-32	UA	A7R	Cobalt, total	mg/L	02/25/21 - 05/20/24	14	78	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-32	UA	A7D	Cobalt, total	mg/L	02/25/21 - 08/20/24	15	80	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
KINCAID POWER PLANT
ASH POND
KINCAID, IL

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-32	UA	A7DR	Cobalt, total	mg/L	02/25/21 - 11/18/24	16	81	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-32	UA	A7	Fluoride, total	mg/L	02/25/21 - 03/06/24	13	0	CI around median	0.170	4.0	MCL/HBL	No Exceedance
MW-32	UA	A7R	Fluoride, total	mg/L	02/25/21 - 05/20/24	14	0	CI around median	0.170	4.0	MCL/HBL	No Exceedance
MW-32	UA	A7D	Fluoride, total	mg/L	02/25/21 - 08/20/24	15	6	CI around median	0.170	4.0	MCL/HBL	No Exceedance
MW-32	UA	A7DR	Fluoride, total	mg/L	02/25/21 - 11/18/24	16	12	CI around median	0.170	4.0	MCL/HBL	No Exceedance
MW-32	UA	A7	Lead, total	mg/L	02/25/21 - 03/06/24	13	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
MW-32	UA	A7R	Lead, total	mg/L	02/25/21 - 05/20/24	14	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
MW-32	UA	A7D	Lead, total	mg/L	02/25/21 - 08/20/24	15	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
MW-32	UA	A7DR	Lead, total	mg/L	02/25/21 - 11/18/24	16	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
MW-32	UA	A7	Lithium, total	mg/L	02/25/21 - 03/06/24	13	100	All ND - Last	0.003	0.04	MCL/HBL	No Exceedance
MW-32	UA	A7R	Lithium, total	mg/L	02/25/21 - 05/20/24	14	100	All ND - Last	0.003	0.04	MCL/HBL	No Exceedance
MW-32	UA	A7D	Lithium, total	mg/L	02/25/21 - 08/20/24	15	100	All ND - Last	0.003	0.04	MCL/HBL	No Exceedance
MW-32	UA	A7DR	Lithium, total	mg/L	02/25/21 - 11/18/24	16	100	All ND - Last	0.003	0.04	MCL/HBL	No Exceedance
MW-32	UA	A7	Mercury, total	mg/L	02/25/21 - 03/06/24	13	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-32	UA	A7R	Mercury, total	mg/L	02/25/21 - 05/20/24	14	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-32	UA	A7D	Mercury, total	mg/L	02/25/21 - 08/20/24	15	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-32	UA	A7DR	Mercury, total	mg/L	02/25/21 - 11/18/24	16	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-32	UA	A7	Molybdenum, total	mg/L	02/25/21 - 03/06/24	13	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
MW-32	UA	A7R	Molybdenum, total	mg/L	02/25/21 - 05/20/24	14	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
MW-32	UA	A7D	Molybdenum, total	mg/L	02/25/21 - 08/20/24	15	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
MW-32	UA	A7DR	Molybdenum, total	mg/L	02/25/21 - 11/18/24	16	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
MW-32	UA	A7	Radium 226 + Radium 228, total	pCi/L	02/25/21 - 03/06/24	13	0	CI around mean	0.143	5	MCL/HBL	No Exceedance
MW-32	UA	A7R	Radium 226 + Radium 228, total	pCi/L	02/25/21 - 05/20/24	14	0	CI around mean	0.155	5	MCL/HBL	No Exceedance
MW-32	UA	A7D	Radium 226 + Radium 228, total	pCi/L	02/25/21 - 08/20/24	15	0	CI around median	0.149	5	MCL/HBL	No Exceedance
MW-32	UA	A7DR	Radium 226 + Radium 228, total	pCi/L	02/25/21 - 11/18/24	16	0	CI around mean	0.206	5	MCL/HBL	No Exceedance
MW-32	UA	A7	Selenium, total	mg/L	02/25/21 - 03/06/24	13	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-32	UA	A7R	Selenium, total	mg/L	02/25/21 - 05/20/24	14	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
KINCAID POWER PLANT
ASH POND
KINCAID, IL

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-32	UA	A7D	Selenium, total	mg/L	02/25/21 - 08/20/24	15	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-32	UA	A7DR	Selenium, total	mg/L	02/25/21 - 11/18/24	16	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-32	UA	A7	Thallium, total	mg/L	02/25/21 - 03/06/24	13	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-32	UA	A7R	Thallium, total	mg/L	02/25/21 - 05/20/24	14	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-32	UA	A7D	Thallium, total	mg/L	02/25/21 - 08/20/24	15	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-32	UA	A7DR	Thallium, total	mg/L	02/25/21 - 11/18/24	16	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
PZ-4C	UA	A7	Antimony, total	mg/L	02/25/21 - 03/06/24	12	83	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
PZ-4C	UA	A7R	Antimony, total	mg/L	02/25/21 - 05/21/24	13	84	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
PZ-4C	UA	A7D	Antimony, total	mg/L	02/25/21 - 08/21/24	14	85	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
PZ-4C	UA	A7DR	Antimony, total	mg/L	02/25/21 - 11/19/24	15	86	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
PZ-4C	UA	A7	Arsenic, total	mg/L	02/25/21 - 03/06/24	12	41	CI around geomean	0.000988	0.010	MCL/HBL	No Exceedance
PZ-4C	UA	A7R	Arsenic, total	mg/L	02/25/21 - 05/21/24	13	38	CI around median	0.00100	0.010	MCL/HBL	No Exceedance
PZ-4C	UA	A7D	Arsenic, total	mg/L	02/25/21 - 08/21/24	14	35	CI around median	0.00100	0.010	MCL/HBL	No Exceedance
PZ-4C	UA	A7DR	Arsenic, total	mg/L	02/25/21 - 11/19/24	15	33	CI around median	0.00100	0.010	MCL/HBL	No Exceedance
PZ-4C	UA	A7	Barium, total	mg/L	02/25/21 - 03/06/24	12	0	CI around median	0.247	2.0	MCL/HBL	No Exceedance
PZ-4C	UA	A7R	Barium, total	mg/L	02/25/21 - 05/21/24	13	0	CI around median	0.250	2.0	MCL/HBL	No Exceedance
PZ-4C	UA	A7D	Barium, total	mg/L	02/25/21 - 08/21/24	14	0	CI around median	0.250	2.0	MCL/HBL	No Exceedance
PZ-4C	UA	A7DR	Barium, total	mg/L	02/25/21 - 11/19/24	15	0	CI around median	0.250	2.0	MCL/HBL	No Exceedance
PZ-4C	UA	A7	Beryllium, total	mg/L	02/25/21 - 03/06/24	12	91	CI around median	0.00100	0.004	MCL/HBL	No Exceedance
PZ-4C	UA	A7R	Beryllium, total	mg/L	02/25/21 - 05/21/24	13	92	CI around median	0.00100	0.004	MCL/HBL	No Exceedance
PZ-4C	UA	A7D	Beryllium, total	mg/L	02/25/21 - 08/21/24	14	92	CI around median	0.00100	0.004	MCL/HBL	No Exceedance
PZ-4C	UA	A7DR	Beryllium, total	mg/L	02/25/21 - 11/19/24	15	93	CI around median	0.00100	0.004	MCL/HBL	No Exceedance
PZ-4C	UA	A7	Cadmium, total	mg/L	02/25/21 - 03/06/24	12	91	CI around median	0.00100	0.005	MCL/HBL	No Exceedance
PZ-4C	UA	A7R	Cadmium, total	mg/L	02/25/21 - 05/21/24	13	92	CI around median	0.00100	0.005	MCL/HBL	No Exceedance
PZ-4C	UA	A7D	Cadmium, total	mg/L	02/25/21 - 08/21/24	14	92	CI around median	0.00100	0.005	MCL/HBL	No Exceedance
PZ-4C	UA	A7DR	Cadmium, total	mg/L	02/25/21 - 11/19/24	15	93	CI around median	0.00100	0.005	MCL/HBL	No Exceedance
PZ-4C	UA	A7	Chromium, total	mg/L	02/25/21 - 03/06/24	12	41	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
KINCAID POWER PLANT
ASH POND
KINCAID, IL

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
PZ-4C	UA	A7R	Chromium, total	mg/L	02/25/21 - 05/21/24	13	38	CI around median	0.00150	0.1	MCL/HBL	No Exceedance
PZ-4C	UA	A7D	Chromium, total	mg/L	02/25/21 - 08/21/24	14	35	CI around median	0.00150	0.1	MCL/HBL	No Exceedance
PZ-4C	UA	A7DR	Chromium, total	mg/L	02/25/21 - 11/19/24	15	40	CI around median	0.00150	0.1	MCL/HBL	No Exceedance
PZ-4C	UA	A7	Cobalt, total	mg/L	02/25/21 - 03/06/24	12	75	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
PZ-4C	UA	A7R	Cobalt, total	mg/L	02/25/21 - 05/21/24	13	76	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
PZ-4C	UA	A7D	Cobalt, total	mg/L	02/25/21 - 08/21/24	14	71	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
PZ-4C	UA	A7DR	Cobalt, total	mg/L	02/25/21 - 11/19/24	15	73	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
PZ-4C	UA	A7	Fluoride, total	mg/L	02/25/21 - 03/06/24	12	0	CI around mean	0.379	4.0	MCL/HBL	No Exceedance
PZ-4C	UA	A7R	Fluoride, total	mg/L	02/25/21 - 05/21/24	13	0	CI around mean	0.379	4.0	MCL/HBL	No Exceedance
PZ-4C	UA	A7D	Fluoride, total	mg/L	02/25/21 - 08/21/24	14	7	CI around median	0.380	4.0	MCL/HBL	No Exceedance
PZ-4C	UA	A7DR	Fluoride, total	mg/L	02/25/21 - 11/19/24	15	13	CB around linear reg	0.256	4.0	MCL/HBL	No Exceedance
PZ-4C	UA	A7	Lead, total	mg/L	02/25/21 - 03/06/24	12	58	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
PZ-4C	UA	A7R	Lead, total	mg/L	02/25/21 - 05/21/24	13	61	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
PZ-4C	UA	A7D	Lead, total	mg/L	02/25/21 - 08/21/24	14	57	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
PZ-4C	UA	A7DR	Lead, total	mg/L	02/25/21 - 11/19/24	15	60	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
PZ-4C	UA	A7	Lithium, total	mg/L	02/25/21 - 03/06/24	12	0	CI around median	0.00670	0.04	MCL/HBL	No Exceedance
PZ-4C	UA	A7R	Lithium, total	mg/L	02/25/21 - 05/21/24	13	0	CI around median	0.00680	0.04	MCL/HBL	No Exceedance
PZ-4C	UA	A7D	Lithium, total	mg/L	02/25/21 - 08/21/24	14	0	CI around median	0.00680	0.04	MCL/HBL	No Exceedance
PZ-4C	UA	A7DR	Lithium, total	mg/L	02/25/21 - 11/19/24	15	0	CI around median	0.00680	0.04	MCL/HBL	No Exceedance
PZ-4C	UA	A7	Mercury, total	mg/L	02/25/21 - 03/06/24	12	91	CI around median	0.000200	0.002	MCL/HBL	No Exceedance
PZ-4C	UA	A7R	Mercury, total	mg/L	02/25/21 - 05/21/24	13	92	CI around median	0.000200	0.002	MCL/HBL	No Exceedance
PZ-4C	UA	A7D	Mercury, total	mg/L	02/25/21 - 08/21/24	14	92	CI around median	0.000200	0.002	MCL/HBL	No Exceedance
PZ-4C	UA	A7DR	Mercury, total	mg/L	02/25/21 - 11/19/24	15	93	CI around median	0.000200	0.002	MCL/HBL	No Exceedance
PZ-4C	UA	A7	Molybdenum, total	mg/L	02/25/21 - 03/06/24	12	75	CI around median	0.00150	0.1	MCL/HBL	No Exceedance
PZ-4C	UA	A7R	Molybdenum, total	mg/L	02/25/21 - 05/21/24	13	76	CI around median	0.00150	0.1	MCL/HBL	No Exceedance
PZ-4C	UA	A7D	Molybdenum, total	mg/L	02/25/21 - 08/21/24	14	78	CI around median	0.00150	0.1	MCL/HBL	No Exceedance
PZ-4C	UA	A7DR	Molybdenum, total	mg/L	02/25/21 - 11/19/24	15	80	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
KINCAID POWER PLANT
ASH POND
KINCAID, IL

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
PZ-4C	UA	A7	Radium 226 + Radium 228, total	pCi/L	02/25/21 - 03/06/24	12	0	CI around geomean	0.520	5	MCL/HBL	No Exceedance
PZ-4C	UA	A7R	Radium 226 + Radium 228, total	pCi/L	02/25/21 - 05/21/24	13	0	CI around geomean	0.567	5	MCL/HBL	No Exceedance
PZ-4C	UA	A7D	Radium 226 + Radium 228, total	pCi/L	02/25/21 - 08/21/24	14	0	CI around geomean	0.597	5	MCL/HBL	No Exceedance
PZ-4C	UA	A7DR	Radium 226 + Radium 228, total	pCi/L	02/25/21 - 11/19/24	15	0	CI around geomean	0.633	5	MCL/HBL	No Exceedance
PZ-4C	UA	A7	Selenium, total	mg/L	02/25/21 - 03/06/24	12	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
PZ-4C	UA	A7R	Selenium, total	mg/L	02/25/21 - 05/21/24	13	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
PZ-4C	UA	A7D	Selenium, total	mg/L	02/25/21 - 08/21/24	14	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
PZ-4C	UA	A7DR	Selenium, total	mg/L	02/25/21 - 11/19/24	15	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
PZ-4C	UA	A7	Thallium, total	mg/L	02/25/21 - 03/06/24	12	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
PZ-4C	UA	A7R	Thallium, total	mg/L	02/25/21 - 05/21/24	13	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
PZ-4C	UA	A7D	Thallium, total	mg/L	02/25/21 - 08/21/24	14	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
PZ-4C	UA	A7DR	Thallium, total	mg/L	02/25/21 - 11/19/24	15	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance

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:
UA = Uppermost Aquifer
USCU = Upper Semi-Confining 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.
GWPS = Groundwater Protection Standard
GWPS Source:
MCL/HBL = maximum contaminant level/health-based level
Sample Count = number of samples from Sampled Date Range used to calculate the Statistical Result
Statistical Calculation = method used to calculate the statistical result:
All ND - Last = All results were below the reporting limit, and the last determined reporting limit is shown.
CB around linear reg = Confidence band around linear regression
CB around T-S line = Confidence band around Thiel-Sen line
CI around geomean = Confidence interval around the geometric mean
CI around mean = Confidence interval around the mean
CI around median = 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

FIGURES



Y:\Mapping\Projects\22\2285\MXD\845_Operating_Permit\Kincaid\GMP\Figure 2-1_Proposed Monitoring Well Network.mxd

PROJECT: 169000XXXX | DATED: 10/7/2021 | DESIGNER: STOLZSD

BACKGROUND WELL

COMPLIANCE WELL

STAFF GAGE

REGULATED UNIT (SUBJECT UNIT)

PROPERTY BOUNDARY

0 250 500 Feet

MONITORING WELL LOCATION MAP

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

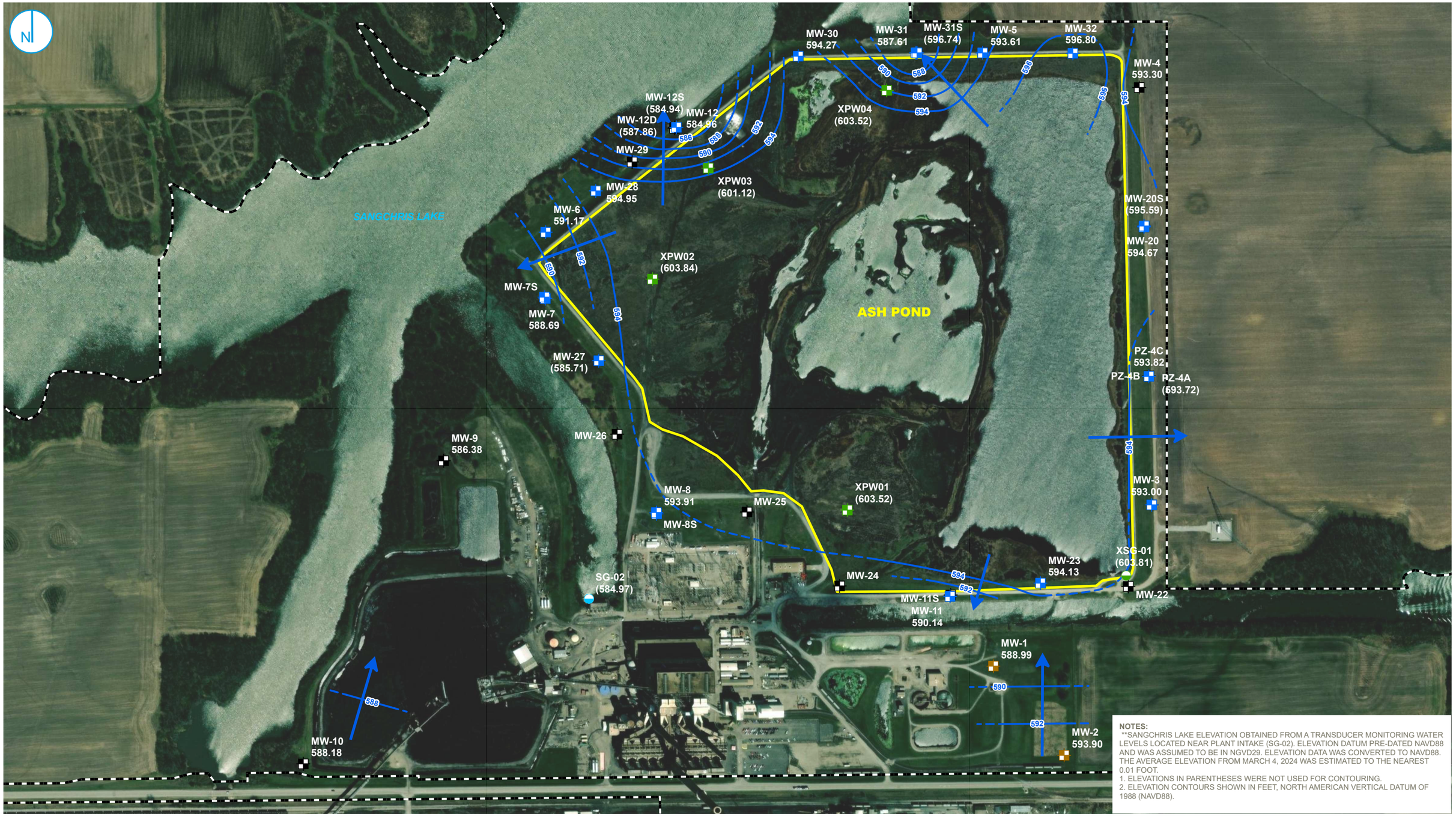
FIGURE 1

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.

RAMBOLL

Y:\Mapping\Projects\22\22851\MXD\GW_Contours\Round_2024\Kincaid\2024_Kincaid_Pot_Map.aprx

PROJECT: 169000XXXX | DATED: 5/6/2024 | DESIGNER: egreaves



NOTES:
**SANGCHRIS LAKE ELEVATION OBTAINED FROM A TRANSDUCER MONITORING WATER LEVELS LOCATED NEAR PLANT INTAKE (SG-02). ELEVATION DATUM PRE-DATED NAVD88 AND WAS ASSUMED TO BE IN NGVD29. ELEVATION DATA WAS CONVERTED TO NAVD88. THE AVERAGE ELEVATION FROM MARCH 4, 2024 WAS ESTIMATED TO THE NEAREST 0.01 FOOT.
1. ELEVATIONS IN PARENTHESES WERE NOT USED FOR CONTOURING.
2. ELEVATION CONTOURS SHOWN IN FEET, NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

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

0 250 500 Feet

POTENTIOMETRIC SURFACE MAP MARCH 4, 2024

2024 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
ASH POND

KINCAID POWER PLANT
KINCAID, ILLINOIS

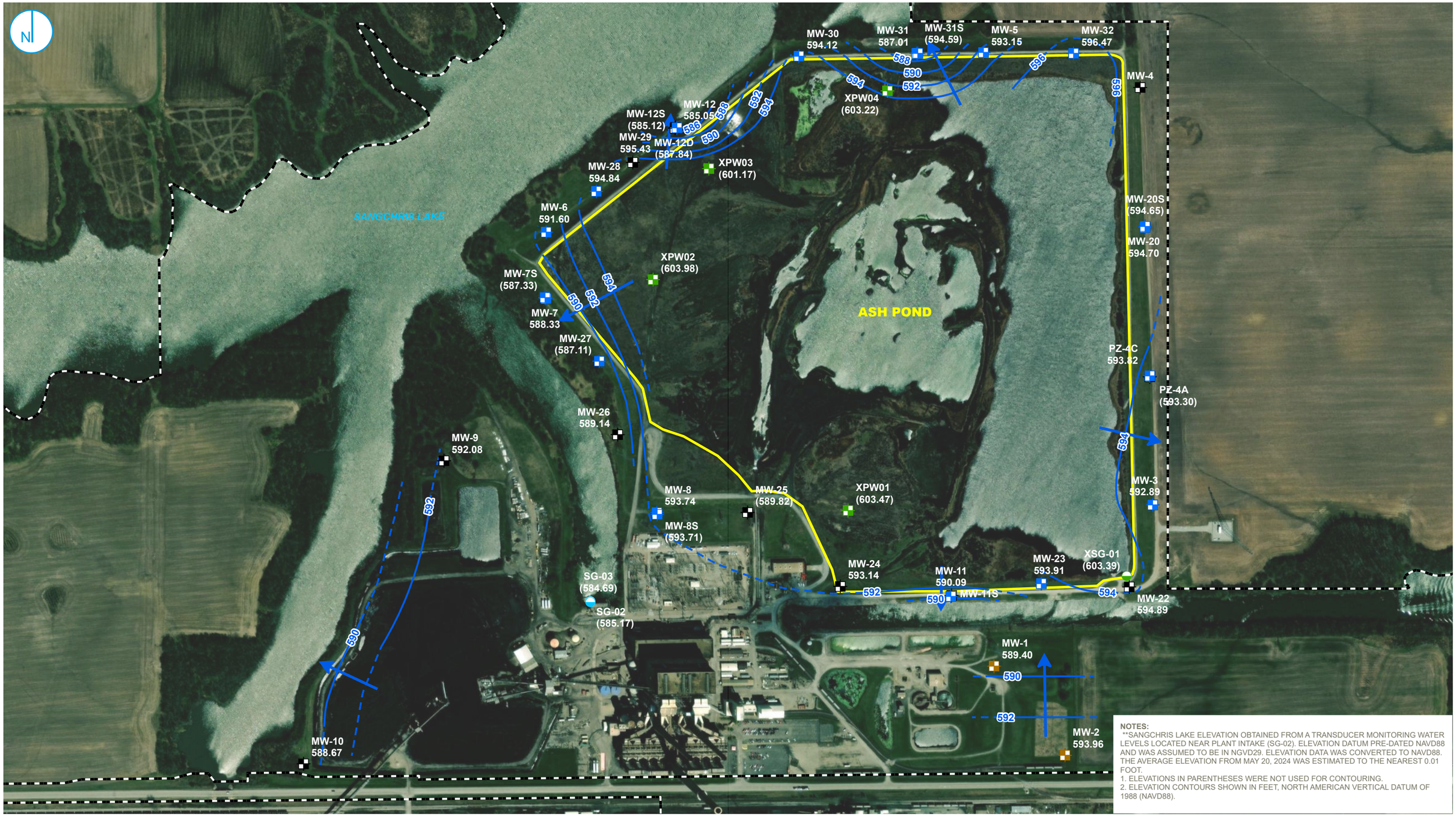
FIGURE 2

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.

RAMBOLL

Y:\Mapping\Projects\22\22851\MXD\GW_Contours\Round_2024\Kincaid\2024_Kincaid_Pot_Map.aprx

PROJECT: 169000XXXX | DATED: 12/9/2024 | DESIGNER: PWYSIATKO



NOTES:
**SANGCHRIS LAKE ELEVATION OBTAINED FROM A TRANSDUCER MONITORING WATER LEVELS LOCATED NEAR PLANT INTAKE (SG-02). ELEVATION DATUM PRE-DATED NAVD88 AND WAS ASSUMED TO BE IN NGVD29. ELEVATION DATA WAS CONVERTED TO NAVD88. THE AVERAGE ELEVATION FROM MAY 20, 2024 WAS ESTIMATED TO THE NEAREST 0.01 FOOT.
1. ELEVATIONS IN PARENTHESES WERE NOT USED FOR CONTOURING.
2. ELEVATION CONTOURS SHOWN IN FEET, NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

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

0 250 500 Feet

POTENTIOMETRIC SURFACE MAP
MAY 20, 2024

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

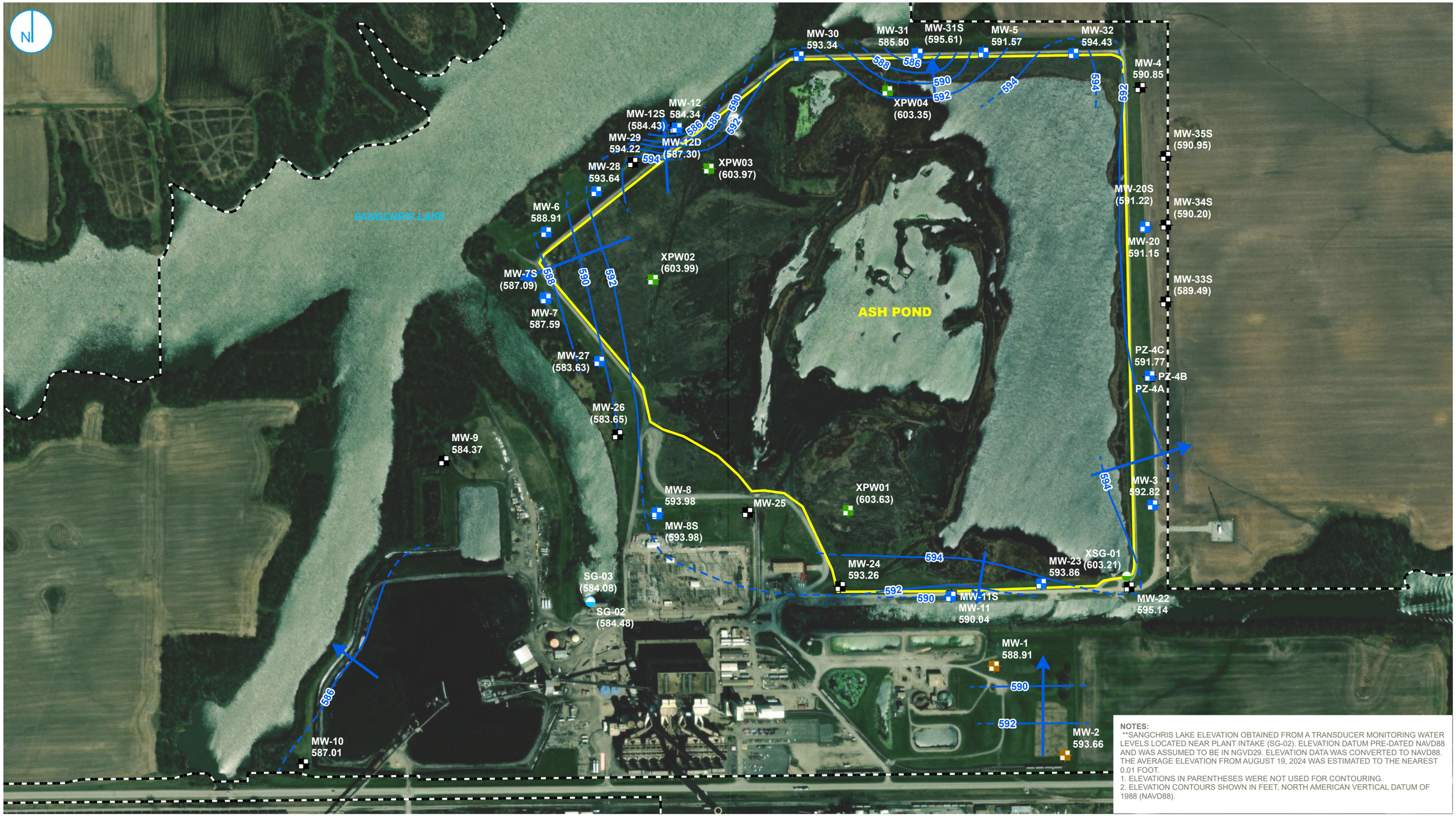
FIGURE 3

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.

RAMBOLL

Y:\Mapping\Projects\22\22851\MXD\GW_Contours\Round_2024\Kincaid\2024_Kincaid_Pot_Map.aprx

PROJECT: 169000XXXX | DATED: 11/12/2024 | DESIGNER: PWYSIATKO



NOTES:
**SANGCHRIS LAKE ELEVATION OBTAINED FROM A TRANSDUCER MONITORING WATER LEVELS LOCATED NEAR PLANT INTAKE (SG-02). ELEVATION DATUM PRE-DATED NAVD88 AND WAS ASSUMED TO BE IN NGVD29. ELEVATION DATA WAS CONVERTED TO NAVD88. THE AVERAGE ELEVATION FROM AUGUST 19, 2024 WAS ESTIMATED TO THE NEAREST 0.01 FOOT.
1. ELEVATIONS IN PARENTHESES WERE NOT USED FOR CONTOURING.
2. ELEVATION CONTOURS SHOWN IN FEET, NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

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

0 250 500 Feet

POTENTIOMETRIC SURFACE MAP AUGUST 19, 2024

2024 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT ASH POND

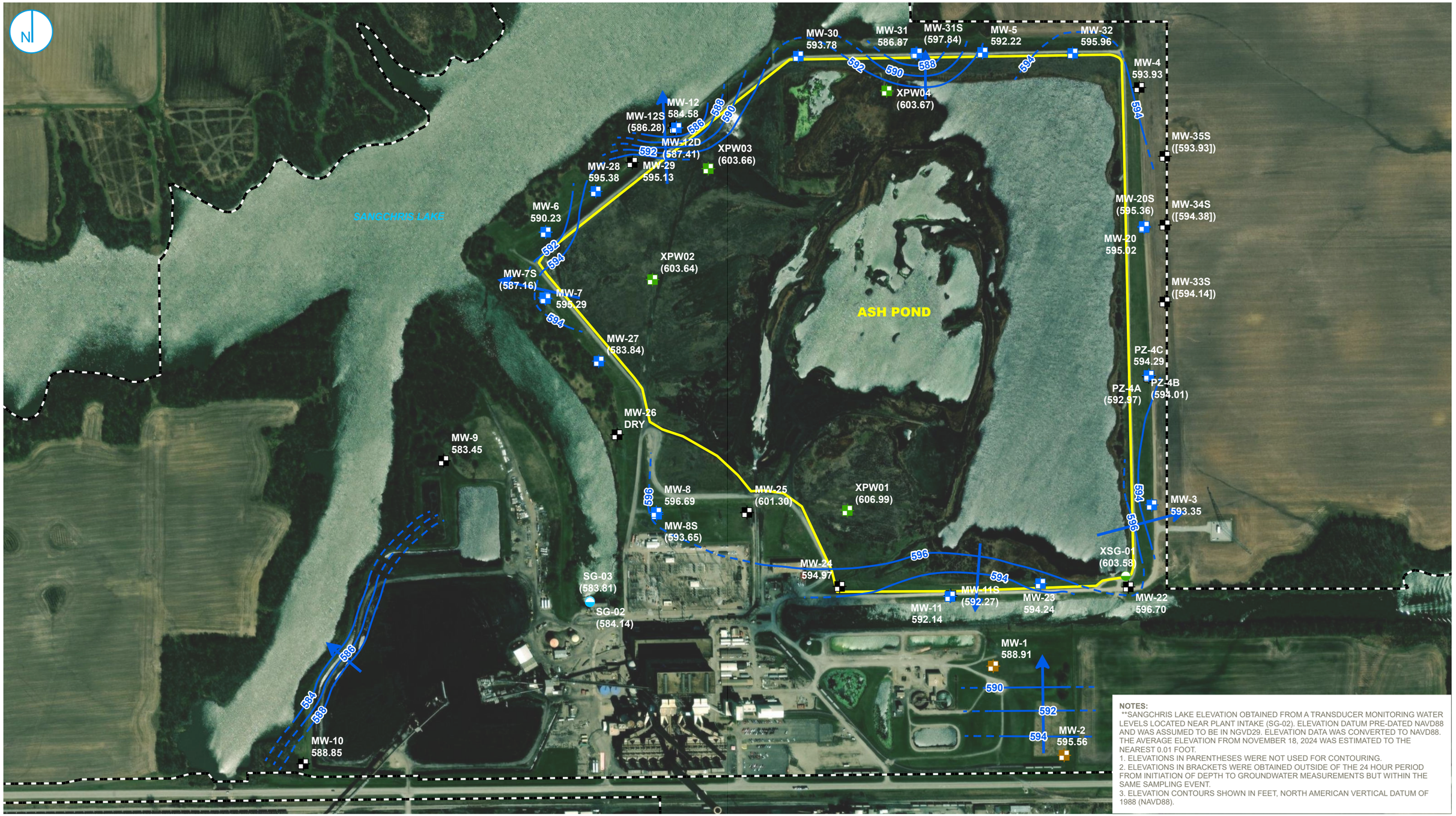
KINCAID POWER PLANT
KINCAID, ILLINOIS

FIGURE 4

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.

RAMBOLL

Y:\Mapping\Projects\22\22851\MXD\GW_Contours\Round_2024\Kincaid\2024_Kincaid_Pot_Map.aprx



NOTES:
**SANGCHRIS LAKE ELEVATION OBTAINED FROM A TRANSDUCER MONITORING WATER LEVELS LOCATED NEAR PLANT INTAKE (SG-02). ELEVATION DATUM PRE-DATED NAVD88 AND WAS ASSUMED TO BE IN NGVD29. ELEVATION DATA WAS CONVERTED TO NAVD88. THE AVERAGE ELEVATION FROM NOVEMBER 18, 2024 WAS ESTIMATED TO THE NEAREST 0.01 FOOT.
1. ELEVATIONS IN PARENTHESES WERE NOT USED FOR CONTOURING.
2. ELEVATIONS IN BRACKETS WERE OBTAINED OUTSIDE OF THE 24 HOUR PERIOD FROM INITIATION OF DEPTH TO GROUNDWATER MEASUREMENTS BUT WITHIN THE SAME SAMPLING EVENT.
3. ELEVATION CONTOURS SHOWN IN FEET, NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

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

0 250 500 Feet

POTENTIOMETRIC SURFACE MAP NOVEMBER 18, 2024

2024 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT ASH POND

KINCAID POWER PLANT
KINCAID, ILLINOIS

FIGURE 5

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.

RAMBOLL

PROJECT: 1690000XXXX | DATED: 1/3/2025 | DESIGNER: PWYSIATKO

APPENDICES

APPENDIX A
LABORATORY REPORTS AND FIELD DATA SHEETS

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

March 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: KIN-24Q1 **WorkOrder:** 24021452

Dear Eric Bauer:

TEKLAB, INC received 30 samples for KIN-257-141 on 3/6/2024 3:05:00 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: 24021452
Client Project: KIN-24Q1
Report Date: 20-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	62
Quality Control Results	63
Receiving Check List	109
Chain of Custody	Appended

Definitions

Client: Ramboll **Work Order:** 24021452

Client Project: KIN-24Q1 **Report Date:** 20-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:** 24021452

Client Project: KIN-24Q1 **Report Date:** 20-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

Teklab, Inc.
Environmental Laboratory

Case Narrative

Client: Ramboll
Work Order: 24021452
Client Project: KIN-24Q1
Report Date: 20-Mar-24

Cooler Receipt Temp: 12.1 °C

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

MW-08S was dry; no sample volume was collected.

XSG-01 date/time of measurement is per SAR4.

YSG-02 measurement is to be provided by the plant directly to Ramboll.

Equipment Blank 2 and Equipment Blank 3 were not required.

Per Eric Bauer's request, only KIN-257-141 data is included in this report. EAH 3/18/24

This report was revised on March 20, 2024 per Eric Bauer's request. The reason for the revision is to omit a duplicate Barium result showing in the analytical report for Equipment Blank 1. The LCS/CCV comments were also revised to include the associated elements. Please replace report dated March 18, 2024 with this report. EAH 3/20/24

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:** 24021452

Client Project: KIN-24Q1 **Report Date:** 20-Mar-24

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2025	Collinsville
Illinois	IEPA	1004652024-2	NELAP	4/30/2025	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2024	Collinsville
Louisiana	LDEQ	05002	NELAP	6/30/2024	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2024	Collinsville
Oklahoma	ODEQ	9978	NELAP	8/31/2024	Collinsville
Arkansas	ADEQ	88-0966		3/14/2024	Collinsville
Illinois	IDPH	17584		5/31/2025	Collinsville
Iowa	IDNR	430		6/1/2024	Collinsville
Kentucky	UST	0073		1/31/2025	Collinsville
Missouri	MDNR	00930		10/31/2026	Collinsville
Missouri	MDNR	930		1/31/2025	Collinsville

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24021452

Client Project: KIN-24Q1 **Report Date:** 20-Mar-24

Lab ID: 24021452-001 **Client Sample ID:** MW-01

Matrix: GROUNDWATER **Collection Date:** 03/04/2024 14:26

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**17.00**	ft	1	03/04/2024 14:26	R344088
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**18**	NTU	1	03/04/2024 14:26	R344088
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**42**	mV	1	03/04/2024 14:26	R344088
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**512**	µS/cm	1	03/04/2024 14:26	R344088
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**17.3**	°C	1	03/04/2024 14:26	R344088
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.13**	mg/L	1	03/04/2024 14:26	R344088
SW-846 9040B FIELD									
pH	*	0	1.00		**6.59**		1	03/04/2024 14:26	R344088
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**180**	mg/L	1	03/05/2024 10:04	R343925
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	03/05/2024 10:04	R343925
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**324**	mg/L	1	03/05/2024 9:27	R343990
SW-846 9036 (TOTAL)									
Sulfate	NELAP	31	50		**97**	mg/L	5	03/05/2024 13:22	R343934
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.18**	mg/L	1	03/05/2024 10:02	R343920
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**16**	mg/L	1	03/05/2024 13:17	R343967
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**56.1**	mg/L	1	03/05/2024 15:02	219478
Magnesium	NELAP	0.0055	0.0500		**27.4**	mg/L	1	03/05/2024 15:02	219478
Potassium	NELAP	0.0400	0.100		**0.437**	mg/L	1	03/05/2024 15:02	219478
Sodium	NELAP	0.0180	0.0500		**16.4**	mg/L	1	03/05/2024 15:02	219478
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	03/06/2024 19:24	219478
Arsenic	NELAP	0.0004	0.0010	J	**0.0004**	mg/L	5	03/05/2024 20:33	219478
Barium	NELAP	0.0007	0.0010		**0.0534**	mg/L	5	03/06/2024 19:24	219478
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	03/05/2024 20:33	219478
Boron	NELAP	0.0092	0.0250		**0.221**	mg/L	5	03/06/2024 19:24	219478
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	03/05/2024 20:33	219478
Chromium	NELAP	0.0007	0.0015		**0.0018**	mg/L	5	03/06/2024 19:24	219478
Cobalt	NELAP	0.0001	0.0010	J	**0.0003**	mg/L	5	03/05/2024 20:33	219478
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	03/05/2024 20:33	219478
Lithium	*	0.0015	0.0030	J	**0.0022**	mg/L	5	03/06/2024 19:24	219478
Molybdenum	NELAP	0.0006	0.0015	J	**0.0010**	mg/L	5	03/06/2024 19:24	219478
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	03/05/2024 20:33	219478
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	03/05/2024 20:33	219478

Teklab, Inc.
Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24021452

Client Project: KIN-24Q1 **Report Date:** 20-Mar-24

Lab ID: 24021452-001 **Client Sample ID:** MW-01

Matrix: GROUNDWATER **Collection Date:** 03/04/2024 14:26

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	03/06/2024 17:00	219518

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24021452

Client Project: KIN-24Q1 **Report Date:** 20-Mar-24

Lab ID: 24021452-002 **Client Sample ID:** MW-02

Matrix: GROUNDWATER **Collection Date:** 03/04/2024 12:30

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**7.34**	ft	1	03/04/2024 12:30	R344088
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**84**	NTU	1	03/04/2024 12:30	R344088
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**42**	mV	1	03/04/2024 12:30	R344088
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**664**	µS/cm	1	03/04/2024 12:30	R344088
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**17.3**	°C	1	03/04/2024 12:30	R344088
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.59**	mg/L	1	03/04/2024 12:30	R344088
SW-846 9040B FIELD									
pH	*	0	1.00		**7.18**		1	03/04/2024 12:30	R344088
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**259**	mg/L	1	03/05/2024 10:09	R343925
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	03/05/2024 10:09	R343925
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**455**	mg/L	2.5	03/05/2024 9:27	R343990
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**153**	mg/L	10	03/05/2024 13:30	R343934
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.43**	mg/L	1	03/05/2024 10:04	R343920
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**18**	mg/L	1	03/05/2024 13:25	R343967
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**97.1**	mg/L	1	03/05/2024 15:03	219478
Magnesium	NELAP	0.0055	0.0500		**35.4**	mg/L	1	03/05/2024 15:03	219478
Potassium	NELAP	0.0400	0.100		**2.48**	mg/L	1	03/05/2024 15:03	219478
Sodium	NELAP	0.0180	0.0500		**26.6**	mg/L	1	03/05/2024 15:03	219478
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	03/06/2024 19:30	219478
Arsenic	NELAP	0.0004	0.0010		**0.0023**	mg/L	5	03/05/2024 21:36	219478
Barium	NELAP	0.0007	0.0010		**0.126**	mg/L	5	03/06/2024 19:30	219478
Beryllium	NELAP	0.0002	0.0010	J	**0.0003**	mg/L	5	03/05/2024 21:36	219478
Boron	NELAP	0.0092	0.0250		**0.0520**	mg/L	5	03/06/2024 19:30	219478
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	03/05/2024 21:36	219478
Chromium	NELAP	0.0007	0.0015		**0.0061**	mg/L	5	03/06/2024 19:30	219478
Cobalt	NELAP	0.0001	0.0010		**0.0014**	mg/L	5	03/05/2024 21:36	219478
Lead	NELAP	0.0006	0.0010		**0.0019**	mg/L	5	03/05/2024 21:36	219478
Lithium	*	0.0015	0.0030		**0.0087**	mg/L	5	03/06/2024 19:30	219478
Molybdenum	NELAP	0.0006	0.0015		**0.0050**	mg/L	5	03/06/2024 19:30	219478
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	03/05/2024 21:36	219478
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	03/09/2024 2:38	219478

Teklab, Inc.
Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24021452

Client Project: KIN-24Q1 **Report Date:** 20-Mar-24

Lab ID: 24021452-002 **Client Sample ID:** MW-02

Matrix: GROUNDWATER **Collection Date:** 03/04/2024 12:30

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	03/06/2024 17:08	219518

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24021452

Client Project: KIN-24Q1 **Report Date:** 20-Mar-24

Lab ID: 24021452-003 **Client Sample ID:** MW-03

Matrix: GROUNDWATER **Collection Date:** 03/04/2024 13:00

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**8.63**	ft	1	03/04/2024 13:00	R344088
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**12**	NTU	1	03/04/2024 13:00	R344088
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**68**	mV	1	03/04/2024 13:00	R344088
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**821**	µS/cm	1	03/04/2024 13:00	R344088
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**15.8**	°C	1	03/04/2024 13:00	R344088
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.50**	mg/L	1	03/04/2024 13:00	R344088
SW-846 9040B FIELD									
pH	*	0	1.00		**6.79**		1	03/04/2024 13:00	R344088
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**350**	mg/L	1	03/05/2024 10:20	R343925
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	03/05/2024 10:20	R343925
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**586**	mg/L	1	03/05/2024 10:10	R343990
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**143**	mg/L	10	03/05/2024 13:38	R343934
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.22**	mg/L	1	03/05/2024 10:23	R343920
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**30**	mg/L	1	03/05/2024 13:33	R343967
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**94.0**	mg/L	1	03/05/2024 15:03	219478
Magnesium	NELAP	0.0055	0.0500		**50.1**	mg/L	1	03/05/2024 15:03	219478
Potassium	NELAP	0.0400	0.100		**0.299**	mg/L	1	03/05/2024 15:03	219478
Sodium	NELAP	0.0180	0.0500		**45.4**	mg/L	1	03/05/2024 15:03	219478
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	03/06/2024 19:36	219478
Arsenic	NELAP	0.0004	0.0010	J	**0.0005**	mg/L	5	03/05/2024 21:42	219478
Barium	NELAP	0.0007	0.0010		**0.0478**	mg/L	5	03/06/2024 19:36	219478
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	03/05/2024 21:42	219478
Boron	NELAP	0.0092	0.0250		**1.52**	mg/L	5	03/06/2024 19:36	219478
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	03/05/2024 21:42	219478
Chromium	NELAP	0.0008	0.0015		**< 0.0015**	mg/L	5	03/05/2024 21:42	219478
Cobalt	NELAP	0.0001	0.0010		**0.0021**	mg/L	5	03/06/2024 19:36	219478
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	03/05/2024 21:42	219478
Lithium	*	0.0015	0.0030	J	**0.0021**	mg/L	5	03/06/2024 19:36	219478
Molybdenum	NELAP	0.0006	0.0015	J	**0.0009**	mg/L	5	03/06/2024 19:36	219478
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	03/05/2024 21:42	219478
Thallium	NELAP	0.0012	0.0020	J	**0.0017**	mg/L	5	03/05/2024 21:42	219478

Laboratory Results

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

Client: Ramboll **Work Order:** 24021452

Client Project: KIN-24Q1 **Report Date:** 20-Mar-24

Lab ID: 24021452-003 **Client Sample ID:** MW-03

Matrix: GROUNDWATER **Collection Date:** 03/04/2024 13:00

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	03/06/2024 17:16	219518

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24021452

Client Project: KIN-24Q1 **Report Date:** 20-Mar-24

Lab ID: 24021452-005 **Client Sample ID:** MW-05

Matrix: GROUNDWATER **Collection Date:** 03/04/2024 14:46

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**25.93**	ft	1	03/04/2024 14:46	R344088
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**54**	NTU	1	03/04/2024 14:46	R344088
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**32**	mV	1	03/04/2024 14:46	R344088
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1150**	µS/cm	1	03/04/2024 14:46	R344088
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**16.9**	°C	1	03/04/2024 14:46	R344088
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.66**	mg/L	1	03/04/2024 14:46	R344088
SW-846 9040B FIELD									
pH	*	0	1.00		**6.63**		1	03/04/2024 14:46	R344088
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**703**	mg/L	1	03/05/2024 10:26	R343925
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	03/05/2024 10:26	R343925
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**780**	mg/L	2.5	03/05/2024 10:10	R343990
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10		**14**	mg/L	1	03/05/2024 14:18	R343934
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.15**	mg/L	1	03/05/2024 10:27	R343920
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**47**	mg/L	1	03/05/2024 14:18	R343967
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**156**	mg/L	1	03/05/2024 15:04	219478
Magnesium	NELAP	0.0055	0.0500		**82.5**	mg/L	1	03/05/2024 15:04	219478
Potassium	NELAP	0.0400	0.100		**1.12**	mg/L	1	03/05/2024 15:04	219478
Sodium	NELAP	0.0180	0.0500		**26.4**	mg/L	1	03/05/2024 15:04	219478
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	03/06/2024 20:45	219478
Arsenic	NELAP	0.0004	0.0010		**0.0018**	mg/L	5	03/05/2024 21:53	219478
Barium	NELAP	0.0007	0.0010		**0.161**	mg/L	5	03/06/2024 20:45	219478
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	03/05/2024 21:53	219478
Boron	NELAP	0.0092	0.0250		**0.482**	mg/L	5	03/06/2024 20:45	219478
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	03/05/2024 21:53	219478
Chromium	NELAP	0.0007	0.0015		**0.0030**	mg/L	5	03/06/2024 20:45	219478
Cobalt	NELAP	0.0001	0.0010		**0.0014**	mg/L	5	03/06/2024 20:45	219478
Lead	NELAP	0.0006	0.0010		**0.0014**	mg/L	5	03/05/2024 21:53	219478
Lithium	*	0.0015	0.0030		**0.0040**	mg/L	5	03/06/2024 20:45	219478
Molybdenum	NELAP	0.0006	0.0015		**0.0020**	mg/L	5	03/06/2024 20:45	219478
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	03/05/2024 21:53	219478
Thallium	NELAP	0.0012	0.0020		**< 0.0020**	mg/L	5	03/05/2024 21:53	219478

Teklab, Inc.
Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24021452

Client Project: KIN-24Q1 **Report Date:** 20-Mar-24

Lab ID: 24021452-005 **Client Sample ID:** MW-05

Matrix: GROUNDWATER **Collection Date:** 03/04/2024 14:46

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	03/06/2024 17:26	219518

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24021452

Client Project: KIN-24Q1 **Report Date:** 20-Mar-24

Lab ID: 24021452-006 **Client Sample ID:** MW-06

Matrix: GROUNDWATER **Collection Date:** 03/05/2024 11:24

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	03/05/2024 11:24	R344088
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**8.9**	NTU	1	03/05/2024 11:24	R344088
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**119**	mV	1	03/05/2024 11:24	R344088
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**652**	µS/cm	1	03/05/2024 11:24	R344088
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**12.1**	°C	1	03/05/2024 11:24	R344088
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**7.09**	mg/L	1	03/05/2024 11:24	R344088
SW-846 9040B FIELD									
pH	*	0	1.00		**6.36**		1	03/05/2024 11:24	R344088
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**278**	mg/L	1	03/06/2024 12:51	R344012
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	03/06/2024 12:51	R344012
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**486**	mg/L	1	03/06/2024 8:06	R344057
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**144**	mg/L	10	03/06/2024 12:50	R344022
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.18**	mg/L	1	03/06/2024 15:11	R344013
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4	J	**3**	mg/L	1	03/06/2024 12:29	R344025
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**99.6**	mg/L	1	03/06/2024 14:09	219540
Magnesium	NELAP	0.0055	0.0500		**42.7**	mg/L	1	03/06/2024 14:09	219540
Potassium	NELAP	0.0400	0.100		**0.381**	mg/L	1	03/06/2024 14:09	219540
Sodium	NELAP	0.0180	0.0500		**22.7**	mg/L	1	03/06/2024 14:09	219540
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	03/06/2024 23:21	219540
Arsenic	NELAP	0.0004	0.0010	J	**0.0004**	mg/L	5	03/06/2024 23:21	219540
Barium	NELAP	0.0007	0.0010		**0.0408**	mg/L	5	03/06/2024 23:21	219540
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	03/06/2024 23:21	219540
Boron	NELAP	0.0092	0.0250		**0.971**	mg/L	5	03/07/2024 10:55	219540
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	03/06/2024 23:21	219540
Chromium	NELAP	0.0007	0.0015		**0.0028**	mg/L	5	03/07/2024 10:55	219540
Cobalt	NELAP	0.0001	0.0010	J	**0.0003**	mg/L	5	03/06/2024 23:21	219540
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	03/07/2024 10:55	219540
Lithium	*	0.0015	0.0030		**< 0.0030**	mg/L	5	03/07/2024 10:55	219540
Molybdenum	NELAP	0.0006	0.0015		**< 0.0015**	mg/L	5	03/07/2024 10:55	219540
Selenium	NELAP	0.0006	0.0010	J	**0.0008**	mg/L	5	03/06/2024 23:21	219540
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	03/07/2024 10:55	219540

Teklab, Inc.
Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24021452

Client Project: KIN-24Q1 **Report Date:** 20-Mar-24

Lab ID: 24021452-006 **Client Sample ID:** MW-06

Matrix: GROUNDWATER **Collection Date:** 03/05/2024 11:24

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00013	0.00020		**< 0.00020**	mg/L	1	03/06/2024 18:10	219560

Laboratory Results

Client: Ramboll **Work Order:** 24021452

Client Project: KIN-24Q1 **Report Date:** 20-Mar-24

Lab ID: 24021452-007 **Client Sample ID:** MW-07

Matrix: GROUNDWATER **Collection Date:** 03/05/2024 13:26

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**4.80**	ft	1	03/05/2024 13:26	R344088
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**16**	NTU	1	03/05/2024 13:26	R344088
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**27**	mV	1	03/05/2024 13:26	R344088
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**803**	µS/cm	1	03/05/2024 13:26	R344088
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**10.8**	°C	1	03/05/2024 13:26	R344088
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.94**	mg/L	1	03/05/2024 13:26	R344088
SW-846 9040B FIELD									
pH	*	0	1.00		**6.90**		1	03/05/2024 13:26	R344088
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**318**	mg/L	1	03/06/2024 12:55	R344012
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	03/06/2024 12:55	R344012
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**620**	mg/L	2.5	03/06/2024 8:06	R344057
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**235**	mg/L	10	03/06/2024 13:06	R344022
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.26**	mg/L	1	03/06/2024 15:12	R344013
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4	J	**2**	mg/L	1	03/06/2024 12:50	R344025
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**140**	mg/L	1	03/06/2024 14:11	219540
Magnesium	NELAP	0.0055	0.0500		**59.5**	mg/L	1	03/06/2024 14:11	219540
Potassium	NELAP	0.0400	0.100		**1.11**	mg/L	1	03/06/2024 14:11	219540
Sodium	NELAP	0.0180	0.0500		**14.0**	mg/L	1	03/06/2024 14:11	219540
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	03/07/2024 0:07	219540
Arsenic	NELAP	0.0004	0.0010		**0.0012**	mg/L	5	03/07/2024 0:07	219540
Barium	NELAP	0.0007	0.0010		**0.0394**	mg/L	5	03/07/2024 0:07	219540
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	03/07/2024 0:07	219540
Boron	NELAP	0.0092	0.0250		**0.269**	mg/L	5	03/07/2024 11:01	219540
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	03/07/2024 0:07	219540
Chromium	NELAP	0.0007	0.0015	J	**0.0014**	mg/L	5	03/07/2024 11:01	219540
Cobalt	NELAP	0.0001	0.0010		**0.0010**	mg/L	5	03/07/2024 0:07	219540
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	03/07/2024 11:01	219540
Lithium	*	0.0015	0.0030	J	**0.0025**	mg/L	5	03/07/2024 11:01	219540
Molybdenum	NELAP	0.0006	0.0015		**0.0019**	mg/L	5	03/07/2024 11:01	219540
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	03/07/2024 0:07	219540
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	03/07/2024 11:01	219540

Teklab, Inc.
Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24021452

Client Project: KIN-24Q1 **Report Date:** 20-Mar-24

Lab ID: 24021452-007 **Client Sample ID:** MW-07

Matrix: GROUNDWATER **Collection Date:** 03/05/2024 13:26

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00013	0.00020		**< 0.00020**	mg/L	1	03/06/2024 18:13	219560

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24021452

Client Project: KIN-24Q1 **Report Date:** 20-Mar-24

Lab ID: 24021452-008 **Client Sample ID:** MW-07S

Matrix: GROUNDWATER **Collection Date:** 03/04/2024 12:48

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**10.53**	ft	1	03/04/2024 12:48	R344088
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**1.0**	NTU	1	03/04/2024 12:48	R344088
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**0**	mV	1	03/04/2024 12:48	R344088
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1500**	µS/cm	1	03/04/2024 12:48	R344088
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**17.9**	°C	1	03/04/2024 12:48	R344088
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.90**	mg/L	1	03/04/2024 12:48	R344088
SW-846 9040B FIELD									
pH	*	0	1.00		**6.77**		1	03/04/2024 12:48	R344088
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**420**	mg/L	1	03/05/2024 10:34	R343925
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	03/05/2024 10:34	R343925
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**1150**	mg/L	2.5	03/05/2024 10:11	R343990
SW-846 9036 (TOTAL)									
Sulfate	NELAP	123	200		**478**	mg/L	20	03/06/2024 11:06	R344022
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.29**	mg/L	1	03/05/2024 10:29	R343920
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**10**	mg/L	1	03/05/2024 14:21	R343967
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100	S	**172**	mg/L	1	03/05/2024 15:09	219478
Magnesium	NELAP	0.0055	0.0500	S	**70.3**	mg/L	1	03/05/2024 15:09	219478
Potassium	NELAP	0.0400	0.100		**2.27**	mg/L	1	03/05/2024 15:09	219478
Sodium	NELAP	0.0180	0.0500	S	**93.9**	mg/L	1	03/05/2024 15:09	219478
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	03/06/2024 19:41	219478
Arsenic	NELAP	0.0004	0.0010		**0.0069**	mg/L	5	03/06/2024 19:41	219478
Barium	NELAP	0.0007	0.0010		**0.0390**	mg/L	5	03/06/2024 19:41	219478
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	03/06/2024 19:41	219478
Boron	NELAP	0.0092	0.0250		**4.41**	mg/L	5	03/06/2024 19:41	219478
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	03/06/2024 19:41	219478
Chromium	NELAP	0.0007	0.0015		**0.0025**	mg/L	5	03/06/2024 19:41	219478
Cobalt	NELAP	0.0001	0.0010	J	**0.0008**	mg/L	5	03/06/2024 19:41	219478
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	03/06/2024 19:41	219478
Lithium	*	0.0015	0.0030		**< 0.0030**	mg/L	5	03/06/2024 19:41	219478
Molybdenum	NELAP	0.0006	0.0015	J	**0.0014**	mg/L	5	03/06/2024 19:41	219478
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	03/06/2024 19:41	219478
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	03/07/2024 11:13	219478

Teklab, Inc.
Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24021452

Client Project: KIN-24Q1 **Report Date:** 20-Mar-24

Lab ID: 24021452-008 **Client Sample ID:** MW-07S

Matrix: GROUNDWATER **Collection Date:** 03/04/2024 12:48

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	03/06/2024 17:29	219518

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24021452

Client Project: KIN-24Q1 **Report Date:** 20-Mar-24

Lab ID: 24021452-009 **Client Sample ID:** MW-08

Matrix: GROUNDWATER **Collection Date:** 03/05/2024 13:48

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**8.07**	ft	1	03/05/2024 13:48	R344088
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**5.9**	NTU	1	03/05/2024 13:48	R344088
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**49**	mV	1	03/05/2024 13:48	R344088
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1040**	µS/cm	1	03/05/2024 13:48	R344088
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**12.6**	°C	1	03/05/2024 13:48	R344088
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.11**	mg/L	1	03/05/2024 13:48	R344088
SW-846 9040B FIELD									
pH	*	0	1.00		**6.65**		1	03/05/2024 13:48	R344088
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**450**	mg/L	1	03/06/2024 13:01	R344012
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	03/06/2024 13:01	R344012
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**796**	mg/L	1	03/06/2024 8:35	R344057
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**209**	mg/L	10	03/06/2024 13:27	R344022
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.21**	mg/L	1	03/06/2024 15:14	R344013
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**23**	mg/L	1	03/06/2024 12:58	R344025
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**163**	mg/L	1	03/06/2024 16:18	219540
Magnesium	NELAP	0.0055	0.0500		**74.5**	mg/L	1	03/06/2024 16:18	219540
Potassium	NELAP	0.0400	0.100		**0.586**	mg/L	1	03/06/2024 16:18	219540
Sodium	NELAP	0.0180	0.0500		**27.9**	mg/L	1	03/06/2024 16:18	219540
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	03/07/2024 0:13	219540
Arsenic	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	03/07/2024 0:13	219540
Barium	NELAP	0.0007	0.0010		**0.0216**	mg/L	5	03/07/2024 0:13	219540
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	03/07/2024 0:13	219540
Boron	NELAP	0.0092	0.0250		**0.994**	mg/L	5	03/07/2024 11:07	219540
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	03/07/2024 0:13	219540
Chromium	NELAP	0.0007	0.0015	J	**0.0013**	mg/L	5	03/07/2024 11:07	219540
Cobalt	NELAP	0.0001	0.0010		**0.0016**	mg/L	5	03/07/2024 0:13	219540
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	03/07/2024 11:07	219540
Lithium	*	0.0015	0.0030	J	**0.0021**	mg/L	5	03/07/2024 11:07	219540
Molybdenum	NELAP	0.0006	0.0015		**< 0.0015**	mg/L	5	03/07/2024 11:07	219540
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	03/07/2024 0:13	219540
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	03/07/2024 11:07	219540

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24021452

Client Project: KIN-24Q1 **Report Date:** 20-Mar-24

Lab ID: 24021452-009 **Client Sample ID:** MW-08

Matrix: GROUNDWATER **Collection Date:** 03/05/2024 13:48

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00013	0.00020		**< 0.00020**	mg/L	1	03/06/2024 18:26	219560

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24021452

Client Project: KIN-24Q1 **Report Date:** 20-Mar-24

Lab ID: 24021452-010 **Client Sample ID:** MW-08S

Matrix: GROUNDWATER **Collection Date:** 03/04/2024 13:48

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**9.60**	ft	1	03/04/2024 13:48	R344088
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**Dry**	NTU	1	03/04/2024 13:48	R344088
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**Dry**	mV	1	03/04/2024 13:48	R344088
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**Dry**	µS/cm	1	03/04/2024 13:48	R344088
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**Dry**	°C	1	03/04/2024 13:48	R344088
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**Dry**	mg/L	1	03/04/2024 13:48	R344088
SW-846 9040B FIELD									
pH	*	0	1.00		**Dry**		1	03/04/2024 13:48	R344088

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24021452

Client Project: KIN-24Q1 **Report Date:** 20-Mar-24

Lab ID: 24021452-013 **Client Sample ID:** MW-11

Matrix: GROUNDWATER **Collection Date:** 03/05/2024 9:32

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**11.46**	ft	1	03/05/2024 9:32	R344088
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**9.3**	NTU	1	03/05/2024 9:32	R344088
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**118**	mV	1	03/05/2024 9:32	R344088
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**887**	µS/cm	1	03/05/2024 9:32	R344088
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**13.8**	°C	1	03/05/2024 9:32	R344088
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.85**	mg/L	1	03/05/2024 9:32	R344088
SW-846 9040B FIELD									
pH	*	0	1.00		**6.62**		1	03/05/2024 9:32	R344088
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**411**	mg/L	1	03/06/2024 13:07	R344012
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	03/06/2024 13:07	R344012
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**685**	mg/L	2.5	03/06/2024 8:36	R344057
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**115**	mg/L	10	03/06/2024 13:51	R344022
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.44**	mg/L	1	03/06/2024 15:16	R344013
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**34**	mg/L	1	03/06/2024 13:35	R344025
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**128**	mg/L	1	03/06/2024 16:19	219540
Magnesium	NELAP	0.0055	0.0500		**54.1**	mg/L	1	03/06/2024 16:19	219540
Potassium	NELAP	0.0400	0.100		**1.02**	mg/L	1	03/06/2024 16:19	219540
Sodium	NELAP	0.0180	0.0500		**42.2**	mg/L	1	03/06/2024 16:19	219540
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	03/07/2024 0:24	219540
Arsenic	NELAP	0.0004	0.0010	J	**0.0005**	mg/L	5	03/07/2024 0:24	219540
Barium	NELAP	0.0007	0.0010		**0.114**	mg/L	5	03/07/2024 0:24	219540
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	03/07/2024 0:24	219540
Boron	NELAP	0.0092	0.0250		**1.51**	mg/L	5	03/07/2024 12:28	219540
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	03/07/2024 0:24	219540
Chromium	NELAP	0.0007	0.0015	J	**0.0012**	mg/L	5	03/07/2024 12:28	219540
Cobalt	NELAP	0.0001	0.0010	J	**0.0003**	mg/L	5	03/07/2024 0:24	219540
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	03/07/2024 12:28	219540
Lithium	*	0.0015	0.0030	J	**0.0020**	mg/L	5	03/07/2024 12:28	219540
Molybdenum	NELAP	0.0006	0.0015		**0.0026**	mg/L	5	03/07/2024 12:28	219540
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	03/07/2024 0:24	219540
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	03/07/2024 12:28	219540

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24021452

Client Project: KIN-24Q1 **Report Date:** 20-Mar-24

Lab ID: 24021452-013 **Client Sample ID:** MW-11

Matrix: GROUNDWATER **Collection Date:** 03/05/2024 9:32

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00013	0.00020		**< 0.00020**	mg/L	1	03/06/2024 18:34	219560

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24021452

Client Project: KIN-24Q1 **Report Date:** 20-Mar-24

Lab ID: 24021452-014 **Client Sample ID:** MW-12

Matrix: GROUNDWATER **Collection Date:** 03/05/2024 12:57

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**6.46**	ft	1	03/05/2024 12:57	R344088
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**200**	NTU	1	03/05/2024 12:57	R344088
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**0**	mV	1	03/05/2024 12:57	R344088
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1300**	µS/cm	1	03/05/2024 12:57	R344088
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**11.4**	°C	1	03/05/2024 12:57	R344088
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.66**	mg/L	1	03/05/2024 12:57	R344088
SW-846 9040B FIELD									
pH	*	0	1.00		**6.68**		1	03/05/2024 12:57	R344088
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**509**	mg/L	1	03/06/2024 13:14	R344012
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	03/06/2024 13:14	R344012
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**995**	mg/L	2.5	03/06/2024 8:36	R344057
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**346**	mg/L	10	03/06/2024 13:59	R344022
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.22**	mg/L	1	03/06/2024 15:18	R344013
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**31**	mg/L	1	03/06/2024 13:43	R344025
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**217**	mg/L	1	03/06/2024 16:21	219540
Magnesium	NELAP	0.0055	0.0500		**89.0**	mg/L	1	03/06/2024 16:21	219540
Potassium	NELAP	0.0400	0.100		**2.29**	mg/L	1	03/06/2024 16:21	219540
Sodium	NELAP	0.0180	0.0500		**48.5**	mg/L	1	03/06/2024 16:21	219540
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	03/07/2024 0:30	219540
Arsenic	NELAP	0.0004	0.0010		**0.0019**	mg/L	5	03/07/2024 0:30	219540
Barium	NELAP	0.0007	0.0010		**0.143**	mg/L	5	03/07/2024 0:30	219540
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	03/07/2024 0:30	219540
Boron	NELAP	0.0092	0.0250		**2.59**	mg/L	5	03/07/2024 12:34	219540
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	03/07/2024 0:30	219540
Chromium	NELAP	0.0007	0.0015		**0.0021**	mg/L	5	03/07/2024 12:34	219540
Cobalt	NELAP	0.0001	0.0010	J	**0.0003**	mg/L	5	03/07/2024 0:30	219540
Lead	NELAP	0.0006	0.0010		**0.0011**	mg/L	5	03/07/2024 12:34	219540
Lithium	*	0.0015	0.0030		**0.0103**	mg/L	5	03/07/2024 12:34	219540
Molybdenum	NELAP	0.0006	0.0015		**0.0016**	mg/L	5	03/07/2024 12:34	219540
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	03/07/2024 0:30	219540
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	03/07/2024 12:34	219540

Teklab, Inc.
Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24021452

Client Project: KIN-24Q1 **Report Date:** 20-Mar-24

Lab ID: 24021452-014 **Client Sample ID:** MW-12

Matrix: GROUNDWATER **Collection Date:** 03/05/2024 12:57

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00013	0.00020		**< 0.00020**	mg/L	1	03/06/2024 18:36	219560

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24021452

Client Project: KIN-24Q1 **Report Date:** 20-Mar-24

Lab ID: 24021452-015 **Client Sample ID:** MW-20

Matrix: GROUNDWATER **Collection Date:** 03/05/2024 10:48

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**5.81**	ft	1	03/05/2024 10:48	R344088
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**27**	NTU	1	03/05/2024 10:48	R344088
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**108**	mV	1	03/05/2024 10:48	R344088
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**913**	µS/cm	1	03/05/2024 10:48	R344088
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**12.1**	°C	1	03/05/2024 10:48	R344088
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**2.36**	mg/L	1	03/05/2024 10:48	R344088
SW-846 9040B FIELD									
pH	*	0	1.00		**6.87**		1	03/05/2024 10:48	R344088
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**416**	mg/L	1	03/06/2024 13:21	R344012
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	03/06/2024 13:21	R344012
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**674**	mg/L	1	03/06/2024 8:17	R344057
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**166**	mg/L	10	03/06/2024 14:20	R344022
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.33**	mg/L	1	03/06/2024 15:19	R344013
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**21**	mg/L	1	03/06/2024 13:51	R344025
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**142**	mg/L	1	03/06/2024 16:22	219540
Magnesium	NELAP	0.0055	0.0500		**69.4**	mg/L	1	03/06/2024 16:22	219540
Potassium	NELAP	0.0400	0.100		**1.08**	mg/L	1	03/06/2024 16:22	219540
Sodium	NELAP	0.0180	0.0500		**22.5**	mg/L	1	03/06/2024 16:22	219540
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	03/07/2024 0:35	219540
Arsenic	NELAP	0.0004	0.0010	J	**0.0006**	mg/L	5	03/07/2024 0:35	219540
Barium	NELAP	0.0007	0.0010		**0.0922**	mg/L	5	03/07/2024 0:35	219540
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	03/07/2024 0:35	219540
Boron	NELAP	0.0092	0.0250		**0.603**	mg/L	5	03/07/2024 12:40	219540
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	03/07/2024 0:35	219540
Chromium	NELAP	0.0007	0.0015	J	**0.0015**	mg/L	5	03/07/2024 12:40	219540
Cobalt	NELAP	0.0001	0.0010	J	**0.0004**	mg/L	5	03/07/2024 0:35	219540
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	03/07/2024 12:40	219540
Lithium	*	0.0015	0.0030		**0.0045**	mg/L	5	03/07/2024 12:40	219540
Molybdenum	NELAP	0.0006	0.0015		**0.0032**	mg/L	5	03/07/2024 12:40	219540
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	03/07/2024 0:35	219540
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	03/07/2024 12:40	219540

Teklab, Inc.
Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24021452

Client Project: KIN-24Q1 **Report Date:** 20-Mar-24

Lab ID: 24021452-015 **Client Sample ID:** MW-20

Matrix: GROUNDWATER **Collection Date:** 03/05/2024 10:48

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00013	0.00020		**< 0.00020**	mg/L	1	03/06/2024 18:38	219560

Laboratory Results

Client: Ramboll **Work Order:** 24021452

Client Project: KIN-24Q1 **Report Date:** 20-Mar-24

Lab ID: 24021452-016 **Client Sample ID:** MW-20S

Matrix: GROUNDWATER **Collection Date:** 03/04/2024 11:09

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**7.13**	ft	1	03/04/2024 11:09	R344088
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**4.8**	NTU	1	03/04/2024 11:09	R344088
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**118**	mV	1	03/04/2024 11:09	R344088
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1340**	µS/cm	1	03/04/2024 11:09	R344088
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**20.4**	°C	1	03/04/2024 11:09	R344088
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**3.29**	mg/L	1	03/04/2024 11:09	R344088
SW-846 9040B FIELD									
pH	*	0	1.00		**6.74**		1	03/04/2024 11:09	R344088
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**445**	mg/L	1	03/05/2024 10:41	R343925
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	03/05/2024 10:41	R343925
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**990**	mg/L	1	03/05/2024 10:11	R343990
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**351**	mg/L	10	03/05/2024 14:34	R343934
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.16**	mg/L	1	03/05/2024 10:30	R343920
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**22**	mg/L	1	03/05/2024 14:29	R343967
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**181**	mg/L	1	03/05/2024 15:05	219478
Magnesium	NELAP	0.0055	0.0500		**94.4**	mg/L	1	03/05/2024 15:05	219478
Potassium	NELAP	0.0400	0.100		**0.160**	mg/L	1	03/05/2024 15:05	219478
Sodium	NELAP	0.0180	0.0500		**29.6**	mg/L	1	03/05/2024 15:05	219478
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	03/06/2024 20:50	219478
Arsenic	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	03/05/2024 21:59	219478
Barium	NELAP	0.0007	0.0010		**0.0328**	mg/L	5	03/06/2024 20:50	219478
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	03/05/2024 21:59	219478
Boron	NELAP	0.0092	0.0250		**1.70**	mg/L	5	03/06/2024 20:50	219478
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	03/05/2024 21:59	219478
Chromium	NELAP	0.0008	0.0015	J	**0.0014**	mg/L	5	03/05/2024 21:59	219478
Cobalt	NELAP	0.0001	0.0010	J	**0.0004**	mg/L	5	03/05/2024 21:59	219478
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	03/05/2024 21:59	219478
Lithium	*	0.0015	0.0030		**< 0.0030**	mg/L	5	03/06/2024 20:50	219478
Molybdenum	NELAP	0.0006	0.0015		**< 0.0015**	mg/L	5	03/06/2024 20:50	219478
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	03/05/2024 21:59	219478
Thallium	NELAP	0.0012	0.0020		**< 0.0020**	mg/L	5	03/05/2024 21:59	219478

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24021452

Client Project: KIN-24Q1 **Report Date:** 20-Mar-24

Lab ID: 24021452-016 **Client Sample ID:** MW-20S

Matrix: GROUNDWATER **Collection Date:** 03/04/2024 11:09

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	03/06/2024 17:32	219518

Laboratory Results

Client: Ramboll **Work Order:** 24021452

Client Project: KIN-24Q1 **Report Date:** 20-Mar-24

Lab ID: 24021452-017 **Client Sample ID:** MW-23

Matrix: GROUNDWATER **Collection Date:** 03/05/2024 10:08

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**16.20**	ft	1	03/05/2024 10:09	R344088
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**6.1**	NTU	1	03/05/2024 10:09	R344088
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**115**	mV	1	03/05/2024 10:09	R344088
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**875**	µS/cm	1	03/05/2024 10:09	R344088
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**13.6**	°C	1	03/05/2024 10:09	R344088
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**2.44**	mg/L	1	03/05/2024 10:09	R344088
SW-846 9040B FIELD									
pH	*	0	1.00		**6.68**		1	03/05/2024 10:09	R344088
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**486**	mg/L	1	03/06/2024 13:28	R344012
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	03/06/2024 13:28	R344012
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**586**	mg/L	1	03/06/2024 8:17	R344057
SW-846 9036 (TOTAL)									
Sulfate	NELAP	12	20		**48**	mg/L	2	03/06/2024 14:36	R344022
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.34**	mg/L	1	03/06/2024 15:21	R344013
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**27**	mg/L	1	03/06/2024 14:15	R344025
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**120**	mg/L	1	03/06/2024 16:24	219540
Magnesium	NELAP	0.0055	0.0500		**54.8**	mg/L	1	03/06/2024 16:24	219540
Potassium	NELAP	0.0400	0.100		**0.526**	mg/L	1	03/06/2024 16:24	219540
Sodium	NELAP	0.0180	0.0500		**42.8**	mg/L	1	03/06/2024 16:24	219540
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	03/07/2024 0:41	219540
Arsenic	NELAP	0.0004	0.0010		**0.0012**	mg/L	5	03/07/2024 0:41	219540
Barium	NELAP	0.0007	0.0010		**0.0928**	mg/L	5	03/07/2024 0:41	219540
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	03/07/2024 0:41	219540
Boron	NELAP	0.0092	0.0250		**2.15**	mg/L	5	03/07/2024 13:30	219540
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	03/07/2024 0:41	219540
Chromium	NELAP	0.0007	0.0015	J	**0.0013**	mg/L	5	03/07/2024 13:30	219540
Cobalt	NELAP	0.0001	0.0010	J	**0.0006**	mg/L	5	03/07/2024 0:41	219540
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	03/07/2024 13:30	219540
Lithium	*	0.0015	0.0030		**< 0.0030**	mg/L	5	03/07/2024 13:30	219540
Molybdenum	NELAP	0.0006	0.0015	J	**0.0013**	mg/L	5	03/07/2024 13:30	219540
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	03/07/2024 0:41	219540
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	03/07/2024 13:30	219540

Laboratory Results

Client: Ramboll **Work Order:** 24021452

Client Project: KIN-24Q1 **Report Date:** 20-Mar-24

Lab ID: 24021452-017 **Client Sample ID:** MW-23

Matrix: GROUNDWATER **Collection Date:** 03/05/2024 10:08

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00013	0.00020		**< 0.00020**	mg/L	1	03/06/2024 18:41	219560

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24021452

Client Project: KIN-24Q1 **Report Date:** 20-Mar-24

Lab ID: 24021452-018 **Client Sample ID:** MW-27

Matrix: GROUNDWATER **Collection Date:** 03/05/2024 11:35

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**15.17**	ft	1	03/05/2024 11:35	R344088
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**45**	NTU	1	03/05/2024 11:35	R344088
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**60**	mV	1	03/05/2024 11:35	R344088
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1450**	µS/cm	1	03/05/2024 11:35	R344088
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**13.1**	°C	1	03/05/2024 11:35	R344088
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**6.27**	mg/L	1	03/05/2024 11:35	R344088
SW-846 9040B FIELD									
pH	*	0	1.00		**6.82**		1	03/05/2024 11:35	R344088
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**550**	mg/L	1	03/06/2024 13:35	R344012
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	03/06/2024 13:35	R344012
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**885**	mg/L	2.5	03/06/2024 8:18	R344057
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**311**	mg/L	10	03/06/2024 14:52	R344022
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.17**	mg/L	1	03/06/2024 15:32	R344013
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**17**	mg/L	1	03/06/2024 14:37	R344025
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**188**	mg/L	1	03/07/2024 14:31	219558
Magnesium	NELAP	0.0061	0.0500		**101**	mg/L	1	03/07/2024 14:31	219558
Potassium	NELAP	0.0400	0.100		**2.41**	mg/L	1	03/07/2024 14:31	219558
Sodium	NELAP	0.0180	0.0500		**46.7**	mg/L	1	03/07/2024 14:31	219558
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**0.0013**	mg/L	5	03/11/2024 18:39	219558
Arsenic	NELAP	0.0004	0.0010		**0.0114**	mg/L	5	03/09/2024 6:57	219558
Barium	NELAP	0.0007	0.0010		**0.201**	mg/L	5	03/11/2024 18:39	219558
Beryllium	NELAP	0.0002	0.0010	J	**0.0005**	mg/L	5	03/09/2024 6:57	219558
Boron	NELAP	0.0092	0.0250		**1.04**	mg/L	5	03/09/2024 6:57	219558
Cadmium	NELAP	0.0002	0.0010	J	**0.0002**	mg/L	5	03/09/2024 6:57	219558
Chromium	NELAP	0.0007	0.0015		**0.0246**	mg/L	5	03/11/2024 18:39	219558
Cobalt	NELAP	0.0001	0.0010		**0.0103**	mg/L	5	03/09/2024 6:57	219558
Lead	NELAP	0.0006	0.0010		**0.0116**	mg/L	5	03/09/2024 6:57	219558
Lithium	*	0.0015	0.0030		**0.0108**	mg/L	5	03/09/2024 6:57	219558
Molybdenum	NELAP	0.0006	0.0015		**0.0101**	mg/L	5	03/11/2024 18:39	219558
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	03/09/2024 6:57	219558
Thallium	NELAP	0.0010	0.0020	J	**0.0010**	mg/L	5	03/09/2024 6:57	219558

Teklab, Inc.
Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24021452

Client Project: KIN-24Q1 **Report Date:** 20-Mar-24

Lab ID: 24021452-018 **Client Sample ID:** MW-27

Matrix: GROUNDWATER **Collection Date:** 03/05/2024 11:35

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00013	0.00020		**< 0.00020**	mg/L	1	03/06/2024 18:43	219560

Laboratory Results

Client: Ramboll **Work Order:** 24021452

Client Project: KIN-24Q1 **Report Date:** 20-Mar-24

Lab ID: 24021452-019 **Client Sample ID:** MW-28

Matrix: GROUNDWATER **Collection Date:** 03/06/2024 11:23

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**6.04**	ft	1	03/06/2024 11:23	R344088
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**7.4**	NTU	1	03/06/2024 11:23	R344088
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-8**	mV	1	03/06/2024 11:23	R344088
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1750**	µS/cm	1	03/06/2024 11:23	R344088
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**12.4**	°C	1	03/06/2024 11:23	R344088
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.45**	mg/L	1	03/06/2024 11:23	R344088
SW-846 9040B FIELD									
pH	*	0	1.00		**6.74**		1	03/06/2024 11:23	R344088
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**420**	mg/L	1	03/07/2024 11:50	R344078
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	03/07/2024 11:50	R344078
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**1600**	mg/L	1	03/07/2024 10:44	R344141
SW-846 9036 (TOTAL)									
Sulfate	NELAP	123	200		**771**	mg/L	20	03/07/2024 13:26	R344091
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.32**	mg/L	1	03/07/2024 12:57	R344072
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**12**	mg/L	1	03/07/2024 13:21	R344096
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**257**	mg/L	1	03/07/2024 10:13	219587
Magnesium	NELAP	0.0055	0.0500		**116**	mg/L	1	03/07/2024 10:13	219587
Potassium	NELAP	0.0400	0.100		**0.861**	mg/L	1	03/07/2024 10:13	219587
Sodium	NELAP	0.0180	0.0500		**111**	mg/L	1	03/07/2024 10:13	219587
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	03/11/2024 15:49	219587
Arsenic	NELAP	0.0004	0.0010	J	**0.0006**	mg/L	5	03/07/2024 13:36	219587
Barium	NELAP	0.0007	0.0010		**0.0257**	mg/L	5	03/11/2024 15:49	219587
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	03/07/2024 13:36	219587
Boron	NELAP	0.0096	0.0250		**10.4**	mg/L	5	03/07/2024 13:36	219587
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	03/07/2024 13:36	219587
Chromium	NELAP	0.0008	0.0015	J	**0.0009**	mg/L	5	03/07/2024 13:36	219587
Cobalt	NELAP	0.0001	0.0010	J	**0.0009**	mg/L	5	03/07/2024 13:36	219587
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	03/07/2024 13:36	219587
Lithium	*	0.0015	0.0030		**0.0075**	mg/L	5	03/07/2024 13:36	219587
Molybdenum	NELAP	0.0006	0.0015		**< 0.0015**	mg/L	5	03/07/2024 13:36	219587
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	03/07/2024 13:36	219587
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	03/07/2024 13:36	219587

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

Teklab, Inc.
Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24021452

Client Project: KIN-24Q1 **Report Date:** 20-Mar-24

Lab ID: 24021452-019 **Client Sample ID:** MW-28

Matrix: GROUNDWATER **Collection Date:** 03/06/2024 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	03/07/2024 11:56	219610

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24021452

Client Project: KIN-24Q1 **Report Date:** 20-Mar-24

Lab ID: 24021452-020 **Client Sample ID:** MW-30

Matrix: GROUNDWATER **Collection Date:** 03/06/2024 10:53

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**24.26**	ft	1	03/06/2024 10:53	R344088
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**9.3**	NTU	1	03/06/2024 10:53	R344088
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**2**	mV	1	03/06/2024 10:53	R344088
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**951**	µS/cm	1	03/06/2024 10:53	R344088
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**13.2**	°C	1	03/06/2024 10:53	R344088
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.65**	mg/L	1	03/06/2024 10:53	R344088
SW-846 9040B FIELD									
pH	*	0	1.00		**6.66**		1	03/06/2024 10:53	R344088
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**546**	mg/L	1	03/07/2024 11:56	R344078
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	03/07/2024 11:56	R344078
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**615**	mg/L	2.5	03/07/2024 10:44	R344141
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10	JS	**9**	mg/L	1	03/07/2024 13:32	R344091
Matrix spike did not recover within control limits due to matrix interference.									
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.56**	mg/L	1	03/07/2024 12:54	R344072
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**42**	mg/L	1	03/07/2024 13:32	R344096
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**111**	mg/L	1	03/07/2024 10:14	219587
Magnesium	NELAP	0.0055	0.0500		**56.3**	mg/L	1	03/07/2024 10:14	219587
Potassium	NELAP	0.0400	0.100		**0.746**	mg/L	1	03/07/2024 10:14	219587
Sodium	NELAP	0.0180	0.0500		**47.9**	mg/L	1	03/07/2024 10:14	219587
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	03/11/2024 15:55	219587
Arsenic	NELAP	0.0004	0.0010		**0.0066**	mg/L	5	03/07/2024 13:43	219587
Barium	NELAP	0.0007	0.0010		**0.152**	mg/L	5	03/11/2024 15:55	219587
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	03/07/2024 13:43	219587
Boron	NELAP	0.0096	0.0250		**1.68**	mg/L	5	03/07/2024 13:43	219587
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	03/07/2024 13:43	219587
Chromium	NELAP	0.0008	0.0015	J	**0.0010**	mg/L	5	03/07/2024 13:43	219587
Cobalt	NELAP	0.0001	0.0010		**0.0040**	mg/L	5	03/07/2024 13:43	219587
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	03/07/2024 13:43	219587
Lithium	*	0.0015	0.0030		**< 0.0030**	mg/L	5	03/07/2024 13:43	219587
Molybdenum	NELAP	0.0006	0.0015		**0.0022**	mg/L	5	03/07/2024 13:43	219587
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	03/07/2024 13:43	219587
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	03/07/2024 13:43	219587

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

Teklab, Inc.
Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24021452

Client Project: KIN-24Q1 **Report Date:** 20-Mar-24

Lab ID: 24021452-020 **Client Sample ID:** MW-30

Matrix: GROUNDWATER **Collection Date:** 03/06/2024 10:53

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	03/07/2024 11:58	219610

Laboratory Results

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

Client: Ramboll **Work Order:** 24021452

Client Project: KIN-24Q1 **Report Date:** 20-Mar-24

Lab ID: 24021452-021 **Client Sample ID:** MW-31

Matrix: GROUNDWATER **Collection Date:** 03/06/2024 11:25

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**29.65**	ft	1	03/06/2024 11:25	R344088
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**7.3**	NTU	1	03/06/2024 11:25	R344088
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-7**	mV	1	03/06/2024 11:25	R344088
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**957**	µS/cm	1	03/06/2024 11:25	R344088
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**13.1**	°C	1	03/06/2024 11:25	R344088
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.63**	mg/L	1	03/06/2024 11:25	R344088
SW-846 9040B FIELD									
pH	*	0	1.00		**6.76**		1	03/06/2024 11:25	R344088
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**567**	mg/L	1	03/07/2024 12:03	R344078
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	03/07/2024 12:03	R344078
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**680**	mg/L	2.5	03/07/2024 10:45	R344141
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10	J	**8**	mg/L	1	03/11/2024 11:09	R344209
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.39**	mg/L	1	03/07/2024 12:52	R344072
SW-846 9251 (TOTAL)									
Chloride	NELAP	2	20		**52**	mg/L	5	03/07/2024 14:07	R344096
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**129**	mg/L	1	03/07/2024 10:15	219587
Magnesium	NELAP	0.0055	0.0500		**60.4**	mg/L	1	03/07/2024 10:15	219587
Potassium	NELAP	0.0400	0.100		**0.818**	mg/L	1	03/07/2024 10:15	219587
Sodium	NELAP	0.0180	0.0500		**23.6**	mg/L	1	03/07/2024 10:15	219587
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	03/11/2024 16:01	219587
Arsenic	NELAP	0.0004	0.0010		**0.0032**	mg/L	5	03/07/2024 13:49	219587
Barium	NELAP	0.0007	0.0010		**0.187**	mg/L	5	03/11/2024 16:01	219587
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	03/07/2024 13:49	219587
Boron	NELAP	0.0096	0.0250		**0.376**	mg/L	5	03/07/2024 13:49	219587
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	03/07/2024 13:49	219587
Chromium	NELAP	0.0008	0.0015		**< 0.0015**	mg/L	5	03/07/2024 13:49	219587
Cobalt	NELAP	0.0001	0.0010		**0.0012**	mg/L	5	03/07/2024 13:49	219587
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	03/07/2024 13:49	219587
Lithium	*	0.0015	0.0030		**0.0066**	mg/L	5	03/07/2024 13:49	219587
Molybdenum	NELAP	0.0006	0.0015	J	**0.0007**	mg/L	5	03/07/2024 13:49	219587
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	03/07/2024 13:49	219587
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	03/07/2024 13:49	219587

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

Laboratory Results

Client: Ramboll **Work Order:** 24021452

Client Project: KIN-24Q1 **Report Date:** 20-Mar-24

Lab ID: 24021452-021 **Client Sample ID:** MW-31

Matrix: GROUNDWATER **Collection Date:** 03/06/2024 11:25

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	03/07/2024 12:01	219610

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24021452

Client Project: KIN-24Q1 **Report Date:** 20-Mar-24

Lab ID: 24021452-022 **Client Sample ID:** MW-31S

Matrix: GROUNDWATER **Collection Date:** 03/04/2024 11:55

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**22.21**	ft	1	03/04/2024 11:55	R344088
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**17**	NTU	1	03/04/2024 11:55	R344088
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-27**	mV	1	03/04/2024 11:55	R344088
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1260**	µS/cm	1	03/04/2024 11:55	R344088
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**20.6**	°C	1	03/04/2024 11:55	R344088
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**2.23**	mg/L	1	03/04/2024 11:55	R344088
SW-846 9040B FIELD									
pH	*	0	1.00		**6.74**		1	03/04/2024 11:55	R344088
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**710**	mg/L	1	03/05/2024 10:48	R343925
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	03/05/2024 10:48	R343925
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**730**	mg/L	2.5	03/05/2024 10:11	R343990
SW-846 9036 (TOTAL)									
Sulfate	NELAP	12	20	J	**14**	mg/L	2	03/06/2024 11:11	R344022
Elevated reporting limit due to matrix interference.									
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.29**	mg/L	1	03/05/2024 10:32	R343920
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**15**	mg/L	1	03/05/2024 14:37	R343967
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**149**	mg/L	1	03/05/2024 15:11	219478
Magnesium	NELAP	0.0055	0.0500		**83.3**	mg/L	1	03/05/2024 15:11	219478
Potassium	NELAP	0.0400	0.100		**1.01**	mg/L	1	03/05/2024 15:11	219478
Sodium	NELAP	0.0180	0.0500		**19.6**	mg/L	1	03/05/2024 15:11	219478
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	03/06/2024 20:56	219478
Arsenic	NELAP	0.0004	0.0010		**0.0113**	mg/L	5	03/05/2024 23:08	219478
Barium	NELAP	0.0007	0.0010		**0.234**	mg/L	5	03/06/2024 20:56	219478
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	03/05/2024 23:08	219478
Boron	NELAP	0.0092	0.0250		**0.0451**	mg/L	5	03/06/2024 20:56	219478
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	03/05/2024 23:08	219478
Chromium	NELAP	0.0007	0.0015	J	**0.0012**	mg/L	5	03/05/2024 23:08	219478
Cobalt	NELAP	0.0001	0.0010		**0.0048**	mg/L	5	03/05/2024 23:08	219478
Lead	NELAP	0.0006	0.0010	J	**0.0008**	mg/L	5	03/05/2024 23:08	219478
Lithium	*	0.0015	0.0030		**< 0.0030**	mg/L	5	03/06/2024 20:56	219478
Molybdenum	NELAP	0.0006	0.0015	J	**0.0007**	mg/L	5	03/06/2024 20:56	219478
Selenium	NELAP	0.0006	0.0010	J	**0.0007**	mg/L	5	03/05/2024 23:08	219478
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	03/07/2024 10:42	219478

Teklab, Inc.
Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24021452

Client Project: KIN-24Q1 **Report Date:** 20-Mar-24

Lab ID: 24021452-022 **Client Sample ID:** MW-31S

Matrix: GROUNDWATER **Collection Date:** 03/04/2024 11:55

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00013	0.00020		**< 0.00020**	mg/L	1	03/06/2024 18:45	219560

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24021452

Client Project: KIN-24Q1 **Report Date:** 20-Mar-24

Lab ID: 24021452-023 **Client Sample ID:** MW-32

Matrix: GROUNDWATER **Collection Date:** 03/06/2024 11:53

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**22.66**	ft	1	03/06/2024 11:53	R344088
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**8.9**	NTU	1	03/06/2024 11:53	R344088
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**36**	mV	1	03/06/2024 11:53	R344088
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1270**	µS/cm	1	03/06/2024 11:53	R344088
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**13.1**	°C	1	03/06/2024 11:53	R344088
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.96**	mg/L	1	03/06/2024 11:53	R344088
SW-846 9040B FIELD									
pH	*	0	1.00		**6.59**		1	03/06/2024 11:53	R344088
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**506**	mg/L	1	03/07/2024 12:11	R344078
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	03/07/2024 12:11	R344078
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**1020**	mg/L	1	03/07/2024 10:45	R344141
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**358**	mg/L	10	03/07/2024 14:19	R344091
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.40**	mg/L	1	03/07/2024 12:49	R344072
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**11**	mg/L	1	03/07/2024 14:15	R344096
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**166**	mg/L	1	03/07/2024 10:36	219587
Magnesium	NELAP	0.0055	0.0500		**85.6**	mg/L	1	03/07/2024 10:36	219587
Potassium	NELAP	0.0400	0.100		**0.410**	mg/L	1	03/07/2024 10:36	219587
Sodium	NELAP	0.0180	0.0500		**60.1**	mg/L	1	03/07/2024 10:36	219587
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	03/11/2024 16:07	219587
Arsenic	NELAP	0.0004	0.0010	J	**0.0007**	mg/L	5	03/07/2024 13:55	219587
Barium	NELAP	0.0007	0.0010		**0.0462**	mg/L	5	03/11/2024 16:07	219587
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	03/07/2024 13:55	219587
Boron	NELAP	0.0096	0.0250		**2.33**	mg/L	5	03/07/2024 13:55	219587
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	03/07/2024 13:55	219587
Chromium	NELAP	0.0008	0.0015	J	**0.0009**	mg/L	5	03/07/2024 13:55	219587
Cobalt	NELAP	0.0001	0.0010	J	**0.0008**	mg/L	5	03/07/2024 13:55	219587
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	03/07/2024 13:55	219587
Lithium	*	0.0015	0.0030	J	**0.0019**	mg/L	5	03/07/2024 13:55	219587
Molybdenum	NELAP	0.0006	0.0015		**< 0.0015**	mg/L	5	03/07/2024 13:55	219587
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	03/07/2024 13:55	219587
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	03/07/2024 13:55	219587

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

Laboratory Results

Client: Ramboll **Work Order:** 24021452

Client Project: KIN-24Q1 **Report Date:** 20-Mar-24

Lab ID: 24021452-023 **Client Sample ID:** MW-32

Matrix: GROUNDWATER **Collection Date:** 03/06/2024 11:53

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	03/07/2024 13:20	219610

Laboratory Results

Client: Ramboll **Work Order:** 24021452

Client Project: KIN-24Q1 **Report Date:** 20-Mar-24

Lab ID: 24021452-025 **Client Sample ID:** PZ4!C

Matrix: GROUNDWATER **Collection Date:** 03/06/2024 10:04

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**7.12**	ft	1	03/06/2024 10:04	R344088
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**6.8**	NTU	1	03/06/2024 10:04	R344088
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-12**	mV	1	03/06/2024 10:04	R344088
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**829**	µS/cm	1	03/06/2024 10:04	R344088
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**11.4**	°C	1	03/06/2024 10:04	R344088
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.48**	mg/L	1	03/06/2024 10:04	R344088
SW-846 9040B FIELD									
pH	*	0	1.00		**6.90**		1	03/06/2024 10:04	R344088
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**414**	mg/L	1	03/07/2024 12:25	R344078
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	03/07/2024 12:25	R344078
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**630**	mg/L	2.5	03/07/2024 11:00	R344141
SW-846 9036 (TOTAL)									
Sulfate	NELAP	31	50		**77**	mg/L	5	03/11/2024 11:14	R344209
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.34**	mg/L	1	03/07/2024 13:02	R344072
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**34**	mg/L	1	03/07/2024 14:30	R344096
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100	S	**113**	mg/L	1	03/07/2024 10:37	219587
Magnesium	NELAP	0.0055	0.0500		**43.8**	mg/L	1	03/07/2024 10:37	219587
Potassium	NELAP	0.0400	0.100		**1.20**	mg/L	1	03/07/2024 10:37	219587
Sodium	NELAP	0.0180	0.0500	S	**34.7**	mg/L	1	03/07/2024 10:37	219587
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		**0.0027**	mg/L	5	03/11/2024 16:44	219587
Arsenic	NELAP	0.0004	0.0010		**0.0018**	mg/L	5	03/07/2024 14:14	219587
Barium	NELAP	0.0007	0.0010		**0.247**	mg/L	5	03/11/2024 16:44	219587
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	03/07/2024 14:14	219587
Boron	NELAP	0.0092	0.0250		**1.48**	mg/L	5	03/13/2024 12:35	219755
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	03/07/2024 14:14	219587
Chromium	NELAP	0.0008	0.0015	J	**0.0015**	mg/L	5	03/07/2024 14:14	219587
Cobalt	NELAP	0.0001	0.0010	J	**0.0002**	mg/L	5	03/07/2024 14:14	219587
Lead	NELAP	0.0006	0.0010	J	**0.0006**	mg/L	5	03/07/2024 14:14	219587
Lithium	*	0.0015	0.0030		**0.0099**	mg/L	5	03/07/2024 14:14	219587
Molybdenum	NELAP	0.0006	0.0015		**0.0017**	mg/L	5	03/07/2024 14:14	219587
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	03/07/2024 14:14	219587
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	03/07/2024 14:14	219587
LCS recovered outside upper control limits for Cd. Sample results are below the reporting limit. Data is reportable per the TNI Standard.									

Teklab, Inc.
Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24021452

Client Project: KIN-24Q1 **Report Date:** 20-Mar-24

Lab ID: 24021452-025 **Client Sample ID:** PZ4!C

Matrix: GROUNDWATER **Collection Date:** 03/06/2024 10:04

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	03/07/2024 13:25	219610

Laboratory Results

Teklab, Inc.
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Client: Ramboll **Work Order:** 24021452

Client Project: KIN-24Q1 **Report Date:** 20-Mar-24

Lab ID: 24021452-026 **Client Sample ID:** XPW01_pore

Matrix: GROUNDWATER **Collection Date:** 03/05/2024 12:17

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**24.34**	ft	1	03/05/2024 12:17	R344088
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**75**	NTU	1	03/05/2024 12:17	R344088
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**37**	mV	1	03/05/2024 12:17	R344088
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**616**	µS/cm	1	03/05/2024 12:17	R344088
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**18.4**	°C	1	03/05/2024 12:17	R344088
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.51**	mg/L	1	03/05/2024 12:17	R344088
SW-846 9040B FIELD									
pH	*	0	1.00		**7.54**		1	03/05/2024 12:17	R344088
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**151**	mg/L	1	03/06/2024 13:41	R344012
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	03/06/2024 13:41	R344012
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**240**	mg/L	1	03/06/2024 8:22	R344057
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**131**	mg/L	10	03/06/2024 15:14	R344022
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.58**	mg/L	1	03/06/2024 15:34	R344013
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**25**	mg/L	1	03/06/2024 14:45	R344025
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**48.3**	mg/L	1	03/07/2024 14:33	219558
Magnesium	NELAP	0.0061	0.0500		**30.0**	mg/L	1	03/07/2024 14:33	219558
Potassium	NELAP	0.0400	0.100		**5.32**	mg/L	1	03/07/2024 14:33	219558
Sodium	NELAP	0.0180	0.0500		**37.9**	mg/L	1	03/07/2024 14:33	219558
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	J	**0.0005**	mg/L	5	03/11/2024 18:45	219558
Arsenic	NELAP	0.0004	0.0010		**0.0013**	mg/L	5	03/09/2024 7:02	219558
Barium	NELAP	0.0007	0.0010		**0.0675**	mg/L	5	03/11/2024 18:45	219558
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	03/09/2024 7:02	219558
Boron	NELAP	0.0092	0.0250		**0.607**	mg/L	5	03/09/2024 7:02	219558
Cadmium	NELAP	0.0002	0.0010	J	**0.0003**	mg/L	5	03/09/2024 7:02	219558
Chromium	NELAP	0.0007	0.0015		**0.0020**	mg/L	5	03/11/2024 18:45	219558
Cobalt	NELAP	0.0001	0.0010	J	**0.0003**	mg/L	5	03/09/2024 7:02	219558
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	03/09/2024 7:02	219558
Lithium	*	0.0015	0.0030		**0.0112**	mg/L	5	03/09/2024 7:02	219558
Molybdenum	NELAP	0.0006	0.0015		**0.0059**	mg/L	5	03/11/2024 18:45	219558
Selenium	NELAP	0.0006	0.0010	J	**0.0007**	mg/L	5	03/09/2024 7:02	219558
Thallium	NELAP	0.0010	0.0020	J	**0.0010**	mg/L	5	03/09/2024 7:02	219558

Laboratory Results

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Client: Ramboll
Work Order: 24021452
Client Project: KIN-24Q1
Report Date: 20-Mar-24
Lab ID: 24021452-026
Client Sample ID: XPW01_pore
Matrix: GROUNDWATER
Collection Date: 03/05/2024 12:17

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00013	0.00020		**< 0.00020**	mg/L	1	03/06/2024 18:48	219560

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24021452

Client Project: KIN-24Q1 **Report Date:** 20-Mar-24

Lab ID: 24021452-027 **Client Sample ID:** XPW02_pore

Matrix: GROUNDWATER **Collection Date:** 03/05/2024 12:58

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**16.40**	ft	1	03/05/2024 12:58	R344088
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**25**	NTU	1	03/05/2024 12:58	R344088
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-61**	mV	1	03/05/2024 12:58	R344088
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1010**	µS/cm	1	03/05/2024 12:58	R344088
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**15.6**	°C	1	03/05/2024 12:58	R344088
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.26**	mg/L	1	03/05/2024 12:58	R344088
SW-846 9040B FIELD									
pH	*	0	1.00		**6.73**		1	03/05/2024 12:58	R344088
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**260**	mg/L	1	03/06/2024 13:47	R344012
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	03/06/2024 13:47	R344012
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**605**	mg/L	2.5	03/06/2024 8:22	R344057
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**285**	mg/L	10	03/06/2024 15:16	R344022
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.31**	mg/L	1	03/06/2024 15:36	R344013
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4	J	**2**	mg/L	1	03/07/2024 10:33	R344096
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**147**	mg/L	1	03/07/2024 14:35	219558
Magnesium	NELAP	0.0061	0.0500		**27.5**	mg/L	1	03/07/2024 14:35	219558
Potassium	NELAP	0.200	0.500		**17.0**	mg/L	5	03/08/2024 14:22	219558
Sodium	NELAP	0.0180	0.0500		**35.9**	mg/L	1	03/07/2024 14:35	219558
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	J	**0.0005**	mg/L	5	03/11/2024 18:51	219558
Arsenic	NELAP	0.0004	0.0010		**0.0060**	mg/L	5	03/09/2024 7:08	219558
Barium	NELAP	0.0007	0.0010		**0.0841**	mg/L	5	03/11/2024 18:51	219558
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	03/09/2024 7:08	219558
Boron	NELAP	0.0092	0.0250		**3.36**	mg/L	5	03/09/2024 7:08	219558
Cadmium	NELAP	0.0002	0.0010	J	**0.0003**	mg/L	5	03/09/2024 7:08	219558
Chromium	NELAP	0.0007	0.0015		**0.0029**	mg/L	5	03/11/2024 18:51	219558
Cobalt	NELAP	0.0001	0.0010		**0.0011**	mg/L	5	03/09/2024 7:08	219558
Lead	NELAP	0.0006	0.0010		**0.0013**	mg/L	5	03/09/2024 7:08	219558
Lithium	*	0.0015	0.0030		**0.0464**	mg/L	5	03/09/2024 7:08	219558
Molybdenum	NELAP	0.0006	0.0015		**0.0371**	mg/L	5	03/11/2024 18:51	219558
Selenium	NELAP	0.0006	0.0010		**0.0039**	mg/L	5	03/09/2024 7:08	219558
Thallium	NELAP	0.0010	0.0020	J	**0.0010**	mg/L	5	03/09/2024 7:08	219558

Laboratory Results

Client: Ramboll **Work Order:** 24021452

Client Project: KIN-24Q1 **Report Date:** 20-Mar-24

Lab ID: 24021452-027 **Client Sample ID:** XPW02_pore

Matrix: GROUNDWATER **Collection Date:** 03/05/2024 12:58

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	03/06/2024 18:54	219560

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24021452

Client Project: KIN-24Q1 **Report Date:** 20-Mar-24

Lab ID: 24021452-028 **Client Sample ID:** XPW03_pore

Matrix: GROUNDWATER **Collection Date:** 03/06/2024 10:19

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**15.01**	ft	1	03/06/2024 10:19	R344088
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**340**	NTU	1	03/06/2024 10:19	R344088
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**22**	mV	1	03/06/2024 10:19	R344088
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**2110**	µS/cm	1	03/06/2024 10:19	R344088
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**15.3**	°C	1	03/06/2024 10:19	R344088
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.27**	mg/L	1	03/06/2024 10:19	R344088
SW-846 9040B FIELD									
pH	*	0	1.00		**7.07**		1	03/06/2024 10:19	R344088
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**438**	mg/L	1	03/07/2024 12:32	R344078
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	03/07/2024 12:32	R344078
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	80	100		**1740**	mg/L	5	03/07/2024 11:10	R344141
SW-846 9036 (TOTAL)									
Sulfate	NELAP	307	500		**935**	mg/L	50	03/11/2024 11:17	R344209
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.97**	mg/L	1	03/07/2024 13:04	R344072
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4	J	**3**	mg/L	1	03/07/2024 14:52	R344096
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**153**	mg/L	1	03/07/2024 10:39	219587
Magnesium	NELAP	0.0055	0.0500		**58.7**	mg/L	1	03/07/2024 10:39	219587
Potassium	NELAP	0.200	0.500		**15.0**	mg/L	5	03/07/2024 16:22	219587
Sodium	NELAP	0.0180	0.0500		**345**	mg/L	1	03/07/2024 10:39	219587
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	J	**0.0008**	mg/L	5	03/11/2024 17:08	219587
Arsenic	NELAP	0.0004	0.0010		**0.0198**	mg/L	5	03/07/2024 14:07	219587
Barium	NELAP	0.0007	0.0010		**0.0479**	mg/L	5	03/11/2024 17:08	219587
Beryllium	NELAP	0.0002	0.0010	J	**0.0003**	mg/L	5	03/07/2024 14:07	219587
Boron	NELAP	0.0096	0.0250		**5.08**	mg/L	5	03/07/2024 14:07	219587
Cadmium	NELAP	0.0002	0.0010	J	**0.0008**	mg/L	5	03/07/2024 14:07	219587
Chromium	NELAP	0.0008	0.0015		**0.0064**	mg/L	5	03/07/2024 14:07	219587
Cobalt	NELAP	0.0001	0.0010		**0.0033**	mg/L	5	03/07/2024 14:07	219587
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	03/07/2024 14:07	219587
Lithium	*	0.0015	0.0030		**0.0395**	mg/L	5	03/07/2024 14:07	219587
Molybdenum	NELAP	0.0006	0.0015		**0.0759**	mg/L	5	03/07/2024 14:07	219587
Selenium	NELAP	0.0006	0.0010		**0.0053**	mg/L	5	03/07/2024 14:07	219587
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	03/07/2024 14:07	219587

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

Teklab, Inc.
Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24021452

Client Project: KIN-24Q1 **Report Date:** 20-Mar-24

Lab ID: 24021452-028 **Client Sample ID:** XPW03_pore

Matrix: GROUNDWATER **Collection Date:** 03/06/2024 10:19

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	03/07/2024 13:27	219610

Laboratory Results

Teklab, Inc.
Environmental Laboratory
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Client: Ramboll **Work Order:** 24021452

Client Project: KIN-24Q1 **Report Date:** 20-Mar-24

Lab ID: 24021452-029 **Client Sample ID:** XPW04_pore

Matrix: GROUNDWATER **Collection Date:** 03/06/2024 10:48

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**2.99**	ft	1	03/06/2024 10:48	R344088
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**9.1**	NTU	1	03/06/2024 10:48	R344088
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-95**	mV	1	03/06/2024 10:48	R344088
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**566**	µS/cm	1	03/06/2024 10:48	R344088
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**11.8**	°C	1	03/06/2024 10:48	R344088
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.47**	mg/L	1	03/06/2024 10:48	R344088
SW-846 9040B FIELD									
pH	*	0	1.00		**6.88**		1	03/06/2024 10:48	R344088
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**276**	mg/L	1	03/07/2024 12:39	R344078
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	03/07/2024 12:39	R344078
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	80	100		**320**	mg/L	5	03/07/2024 11:10	R344141
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10		**19**	mg/L	1	03/11/2024 11:22	R344209
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.34**	mg/L	1	03/07/2024 13:05	R344072
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**15**	mg/L	1	03/07/2024 15:00	R344096
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**51.6**	mg/L	1	03/07/2024 10:40	219587
Magnesium	NELAP	0.0055	0.0500		**22.1**	mg/L	1	03/07/2024 10:40	219587
Potassium	NELAP	0.0400	0.100		**4.95**	mg/L	1	03/07/2024 10:40	219587
Sodium	NELAP	0.0180	0.0500		**31.3**	mg/L	1	03/07/2024 10:40	219587
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	J	**0.0005**	mg/L	5	03/11/2024 17:14	219587
Arsenic	NELAP	0.0004	0.0010		**0.0040**	mg/L	5	03/07/2024 15:16	219587
Barium	NELAP	0.0007	0.0010		**0.127**	mg/L	5	03/11/2024 17:14	219587
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	03/07/2024 15:16	219587
Boron	NELAP	0.0096	0.0250		**1.36**	mg/L	5	03/07/2024 15:16	219587
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	03/07/2024 15:16	219587
Chromium	NELAP	0.0008	0.0015		**< 0.0015**	mg/L	5	03/07/2024 15:16	219587
Cobalt	NELAP	0.0001	0.0010		**< 0.0010**	mg/L	5	03/07/2024 15:16	219587
Lead	NELAP	0.0006	0.0010	J	**0.0007**	mg/L	5	03/07/2024 15:16	219587
Lithium	*	0.0015	0.0030		**0.0211**	mg/L	5	03/07/2024 15:16	219587
Molybdenum	NELAP	0.0006	0.0015		**0.0064**	mg/L	5	03/07/2024 15:16	219587
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	03/07/2024 15:16	219587
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	03/07/2024 15:16	219587

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

Teklab, Inc.
Environmental Laboratory

Laboratory Results

Client: Ramboll
Work Order: 24021452
Client Project: KIN-24Q1
Report Date: 20-Mar-24
Lab ID: 24021452-029
Client Sample ID: XPW04_pore
Matrix: GROUNDWATER
Collection Date: 03/06/2024 10:48

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	03/07/2024 13:35	219610

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24021452

Client Project: KIN-24Q1 **Report Date:** 20-Mar-24

Lab ID: 24021452-030 **Client Sample ID:** XSG-01

Matrix: GROUNDWATER **Collection Date:** 03/04/2024 9:37

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**4.79**	ft	1	03/04/2024 9:37	R344088

Laboratory Results

Client: Ramboll **Work Order:** 24021452

Client Project: KIN-24Q1 **Report Date:** 20-Mar-24

Lab ID: 24021452-031 **Client Sample ID:** YSG-02

Matrix: GROUNDWATER **Collection Date:** 03/04/2024 10:43

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**13.03**	ft	1	03/04/2024 10:43	R344088

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24021452

Client Project: KIN-24Q1 **Report Date:** 20-Mar-24

Lab ID: 24021452-032 **Client Sample ID:** Field Blank

Matrix: AQUEOUS **Collection Date:** 03/06/2024 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	03/07/2024 12:44	R344078
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	03/07/2024 12:44	R344078
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**< 20**	mg/L	1	03/07/2024 11:10	R344141
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10		**< 10**	mg/L	1	03/07/2024 15:10	R344091
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**< 0.10**	mg/L	1	03/07/2024 13:18	R344072
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**< 4**	mg/L	1	03/07/2024 15:11	R344096
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**< 0.100**	mg/L	1	03/07/2024 10:41	219587
Magnesium	NELAP	0.0055	0.0500		**< 0.0500**	mg/L	1	03/07/2024 10:41	219587
Potassium	NELAP	0.0400	0.100		**< 0.100**	mg/L	1	03/07/2024 10:41	219587
Sodium	NELAP	0.0180	0.0500		**< 0.0500**	mg/L	1	03/07/2024 10:41	219587
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	03/11/2024 17:20	219587
Arsenic	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	03/07/2024 15:22	219587
Barium	NELAP	0.0007	0.0010		**< 0.0010**	mg/L	5	03/11/2024 17:20	219587
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	03/07/2024 15:22	219587
Boron	NELAP	0.0096	0.025	J	**0.010**	mg/L	5	03/07/2024 15:22	219587
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	03/07/2024 15:22	219587
Chromium	NELAP	0.0008	0.0015		**< 0.0015**	mg/L	5	03/07/2024 15:22	219587
Cobalt	NELAP	0.0001	0.0010		**< 0.0010**	mg/L	5	03/07/2024 15:22	219587
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	03/07/2024 15:22	219587
Lithium	*	0.0015	0.0030		**< 0.0030**	mg/L	5	03/07/2024 15:22	219587
Molybdenum	NELAP	0.0006	0.0015		**< 0.0015**	mg/L	5	03/07/2024 15:22	219587
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	03/07/2024 15:22	219587
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	03/07/2024 15:22	219587

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

CCV recovered outside the upper control limits for Zn. 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	03/07/2024 13:38	219610

Laboratory Results

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

Client: Ramboll **Work Order:** 24021452

Client Project: KIN-24Q1 **Report Date:** 20-Mar-24

Lab ID: 24021452-033 **Client Sample ID:** MW-08 Duplicate

Matrix: GROUNDWATER **Collection Date:** 03/05/2024 13:48

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**8.07**	ft	1	03/05/2024 13:48	R344088
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**5.9**	NTU	1	03/05/2024 13:48	R344088
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**49**	mV	1	03/05/2024 13:48	R344088
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1040**	µS/cm	1	03/05/2024 13:48	R344088
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**12.6**	°C	1	03/05/2024 13:48	R344088
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.11**	mg/L	1	03/05/2024 13:48	R344088
SW-846 9040B FIELD									
pH	*	0	1.00		**6.65**		1	03/05/2024 13:48	R344088
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**454**	mg/L	1	03/06/2024 13:52	R344012
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	03/06/2024 13:52	R344012
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**766**	mg/L	1	03/06/2024 8:36	R344057
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**221**	mg/L	10	03/06/2024 15:30	R344022
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.21**	mg/L	1	03/06/2024 15:38	R344013
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**23**	mg/L	1	03/06/2024 15:14	R344025
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100	S	**156**	mg/L	1	03/07/2024 14:44	219558
Magnesium	NELAP	0.0061	0.0500		**71.7**	mg/L	1	03/07/2024 14:44	219558
Potassium	NELAP	0.0400	0.100		**0.564**	mg/L	1	03/07/2024 14:44	219558
Sodium	NELAP	0.0180	0.0500		**27.7**	mg/L	1	03/07/2024 14:44	219558
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	03/11/2024 18:57	219558
Arsenic	NELAP	0.0004	0.0010	J	**0.0006**	mg/L	5	03/11/2024 18:57	219558
Barium	NELAP	0.0007	0.0010		**0.0208**	mg/L	5	03/11/2024 18:57	219558
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	03/11/2024 18:57	219558
Boron	NELAP	0.0092	0.0250		**0.958**	mg/L	5	03/11/2024 18:57	219558
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	03/11/2024 18:57	219558
Chromium	NELAP	0.0007	0.0015	J	**0.0010**	mg/L	5	03/11/2024 18:57	219558
Cobalt	NELAP	0.0001	0.0010		**0.0012**	mg/L	5	03/11/2024 18:57	219558
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	03/11/2024 18:57	219558
Lithium	*	0.0015	0.0030	J	**0.0019**	mg/L	5	03/09/2024 7:25	219558
Molybdenum	NELAP	0.0006	0.0015	J	**0.0009**	mg/L	5	03/11/2024 18:57	219558
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	03/09/2024 7:25	219558
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	03/09/2024 7:25	219558

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24021452

Client Project: KIN-24Q1 **Report Date:** 20-Mar-24

Lab ID: 24021452-033 **Client Sample ID:** MW-08 Duplicate

Matrix: GROUNDWATER **Collection Date:** 03/05/2024 13:48

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Matrix spike recovery is outside control limits due to sample dilution.									
CCV recovered outside the upper control limits for Zn. Sample results are below the reporting limit. Data is reportable per the TNI standard.									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00013	0.00020		**< 0.00020**	mg/L	1	03/06/2024 19:03	219560

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24021452

Client Project: KIN-24Q1 **Report Date:** 20-Mar-24

Lab ID: 24021452-034 **Client Sample ID:** Equipment Blank 1

Matrix: AQUEOUS **Collection Date:** 03/06/2024 12:14

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	03/07/2024 12:47	R344078
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	03/07/2024 12:47	R344078
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**< 20**	mg/L	1	03/07/2024 11:10	R344141
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10		**< 10**	mg/L	1	03/07/2024 15:12	R344091
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**< 0.10**	mg/L	1	03/07/2024 13:16	R344072
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**< 4**	mg/L	1	03/07/2024 15:13	R344096
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**< 0.100**	mg/L	1	03/07/2024 10:42	219587
Magnesium	NELAP	0.0055	0.0500		**< 0.0500**	mg/L	1	03/07/2024 10:42	219587
Potassium	NELAP	0.0400	0.100		**< 0.100**	mg/L	1	03/07/2024 10:42	219587
Sodium	NELAP	0.018	0.050	J	**0.018**	mg/L	1	03/07/2024 10:42	219587
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	03/11/2024 17:26	219587
Arsenic	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	03/07/2024 15:28	219587
Barium	NELAP	0.0007	0.0010		**< 0.0010**	mg/L	5	03/11/2024 17:26	219587
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	03/07/2024 15:28	219587
Boron	NELAP	0.0096	0.0250		**< 0.0250**	mg/L	5	03/07/2024 15:28	219587
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	03/07/2024 15:28	219587
Chromium	NELAP	0.0008	0.0015		**< 0.0015**	mg/L	5	03/07/2024 15:28	219587
Cobalt	NELAP	0.0001	0.0010		**< 0.0010**	mg/L	5	03/07/2024 15:28	219587
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	03/07/2024 15:28	219587
Lithium	*	0.0015	0.0030		**< 0.0030**	mg/L	5	03/07/2024 15:28	219587
Molybdenum	NELAP	0.0006	0.0015		**< 0.0015**	mg/L	5	03/07/2024 15:28	219587
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	03/07/2024 15:28	219587
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	03/07/2024 15:28	219587

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

CCV recovered outside the upper control limits for Zn. 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	03/07/2024 13:40	219610

Sample Summary

Client: Ramboll
Work Order: 24021452
Client Project: KIN-24Q1
Report Date: 20-Mar-24

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
24021452-001	MW-01	Groundwater	3	03/04/2024 14:26
24021452-002	MW-02	Groundwater	3	03/04/2024 12:30
24021452-003	MW-03	Groundwater	3	03/04/2024 13:00
24021452-005	MW-05	Groundwater	3	03/04/2024 14:46
24021452-006	MW-06	Groundwater	3	03/05/2024 11:24
24021452-007	MW-07	Groundwater	3	03/05/2024 13:26
24021452-008	MW-07S	Groundwater	2	03/04/2024 12:48
24021452-009	MW-08	Groundwater	3	03/05/2024 13:48
24021452-010	MW-08S	Groundwater	2	03/04/2024 13:48
24021452-013	MW-11	Groundwater	3	03/05/2024 9:32
24021452-014	MW-12	Groundwater	3	03/05/2024 12:57
24021452-015	MW-20	Groundwater	2	03/05/2024 10:48
24021452-016	MW-20S	Groundwater	2	03/04/2024 11:09
24021452-017	MW-23	Groundwater	2	03/05/2024 10:08
24021452-018	MW-27	Groundwater	2	03/05/2024 11:35
24021452-019	MW-28	Groundwater	2	03/06/2024 11:23
24021452-020	MW-30	Groundwater	2	03/06/2024 10:53
24021452-021	MW-31	Groundwater	2	03/06/2024 11:25
24021452-022	MW-31S	Groundwater	2	03/04/2024 11:55
24021452-023	MW-32	Groundwater	2	03/06/2024 11:53
24021452-025	PZ4!C	Groundwater	2	03/06/2024 10:04
24021452-026	XPW01_pore	Groundwater	2	03/05/2024 12:17
24021452-027	XPW02_pore	Groundwater	2	03/05/2024 12:58
24021452-028	XPW03_pore	Groundwater	2	03/06/2024 10:19
24021452-029	XPW04_pore	Groundwater	2	03/06/2024 10:48
24021452-030	XSG-01	Groundwater	1	03/04/2024 9:37
24021452-031	YSG-02	Groundwater	1	03/04/2024 10:43
24021452-032	Field Blank	Aqueous	3	03/06/2024 12:11
24021452-033	MW-08 Duplicate	Groundwater	3	03/05/2024 13:48
24021452-034	Equipment Blank 1	Aqueous	3	03/06/2024 12:14

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24021452

Client Project: KIN-24Q1 **Report Date:** 20-Mar-24

STANDARD METHODS 2510 B FIELD

Batch R344088 **SampType:** LCS Units **µS/cm**
SampID: LCS-R344088-1

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	03/04/2024

Batch R344088 **SampType:** LCS Units **µS/cm**
SampID: LCS-R344088-2

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	03/05/2024

Batch R344088 **SampType:** LCS Units **µS/cm**
SampID: LCS-R344088-3

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	03/06/2024

Batch R344088 **SampType:** LCS Units **µS/cm**
SampID: LCS-R344088-4

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	03/04/2024

Batch R344088 **SampType:** LCS Units **µS/cm**
SampID: LCS-R344088-5

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1420**	1412	0	100.2	90	110	03/05/2024

Batch R344088 **SampType:** LCS Units **µS/cm**
SampID: LCS-R344088-6

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1420**	1412	0	100.4	90	110	03/06/2024

SW-846 9040B FIELD

Batch R344088 **SampType:** LCS Units
SampID: LCS-R344088-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.05**	7.000	0	100.7	98.57	101.4	03/04/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

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Client: Ramboll **Work Order:** 24021452

Client Project: KIN-24Q1 **Report Date:** 20-Mar-24

SW-846 9040B FIELD

Batch R344088 **SampType:** LCS Units

SampID: LCS-R344088-2

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	03/05/2024

Batch R344088 **SampType:** LCS Units

SampID: LCS-R344088-3

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.07**	7.000	0	101.0	98.57	101.4	03/06/2024

Batch R344088 **SampType:** LCS Units

SampID: LCS-R344088-4

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.01**	7.000	0	100.1	98.57	101.4	03/04/2024

Batch R344088 **SampType:** LCS Units

SampID: LCS-R344088-5

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.02**	7.000	0	100.3	98.57	101.4	03/05/2024

Batch R344088 **SampType:** LCS Units

SampID: LCS-R344088-6

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.01**	7.000	0	100.1	98.57	101.4	03/06/2024

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R343990 **SampType:** MBLK Units **mg/L**

SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	03/05/2024

Batch R343990 **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	03/05/2024

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Client: Ramboll **Work Order:** 24021452

Client Project: KIN-24Q1 **Report Date:** 20-Mar-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R343990 **SampType:** DUP Units **mg/L** RPD Limit **10**

SampID: 24030143-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**240**				246.0	2.47	03/05/2024

Batch R344057 **SampType:** MBLK Units **mg/L**

SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	03/06/2024

Batch R344057 **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	03/06/2024

Batch R344057 **SampType:** DUP Units **mg/L** RPD Limit **10**

SampID: 24021452-015ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**652**				674.0	3.32	03/06/2024

Batch R344057 **SampType:** DUP Units **mg/L** RPD Limit **10**

SampID: 24030297-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		50		**3020**				3045	0.99	03/06/2024

Batch R344057 **SampType:** DUP Units **mg/L** RPD Limit **10**

SampID: 24030298-002ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**2220**				2190	1.45	03/06/2024

Batch R344141 **SampType:** MBLK Units **mg/L**

SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	03/07/2024
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	03/07/2024

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Client Project: KIN-24Q1 **Report Date:** 20-Mar-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R344141 **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	03/07/2024
Total Dissolved Solids		20		**966**	1000	0	96.6	90	110	03/07/2024

Batch R344141 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24021452-024ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		50		**765**				750.0	1.98	03/07/2024

Batch R344178 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	03/08/2024

Batch R344178 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**948**	1000	0	94.8	90	110	03/08/2024

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

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

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

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

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

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

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Client: Ramboll **Work Order:** 24021452

Client Project: KIN-24Q1 **Report Date:** 20-Mar-24

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

Batch R343963 **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	03/05/2024
Nitrogen, Nitrite (as N)		0.05		**< 0.05**	0.0250	0	0	-100	100	03/05/2024

Batch R343963 **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	03/05/2024
Nitrogen, Nitrite (as N)		0.05		**0.32**	0.3045	0	105.1	90	110	03/05/2024

Batch R343963 **SampType:** MS Units **mg/L**
SampID: 24021452-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.52**	0.5000	0	103.2	85	115	03/05/2024

Batch R343963 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24021452-001AMSD

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	101.0	0.5160	2.15	03/05/2024

Batch R343963 **SampType:** MS Units **mg/L**
SampID: 24021452-002AMS

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	101.0	85	115	03/05/2024

Batch R343963 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24021452-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.52**	0.5000	0	103.6	0.5050	2.54	03/05/2024

Batch R343963 **SampType:** MS Units **mg/L**
SampID: 24030249-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.53**	0.5000	0	105.4	85	115	03/05/2024

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Client: Ramboll **Work Order:** 24021452

Client Project: KIN-24Q1 **Report Date:** 20-Mar-24

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

Batch R343963 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24030249-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.53**	0.5000	0	105.4	0.5270	0.00	03/05/2024

Batch R344017 **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	03/06/2024
Nitrogen, Nitrite (as N)		0.05		**< 0.05**	0.0250	0	0	-100	100	03/06/2024

Batch R344017 **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	106.4	90	110	03/06/2024
Nitrogen, Nitrite (as N)		0.05		**0.32**	0.3045	0	106.4	90	110	03/06/2024

Batch R344017 **SampType:** MS Units **mg/L**
SampID: 24030316-001AMS

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	94.4	85	115	03/06/2024

Batch R344017 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24030316-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.48**	0.5000	0	95.6	0.4720	1.26	03/06/2024

Batch R344017 **SampType:** MS Units **mg/L**
SampID: 24030336-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.51**	0.5000	0	102.2	85	115	03/06/2024

Batch R344017 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24030336-001AMSD

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	0.5110	0.39	03/06/2024

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Client: Ramboll **Work Order:** 24021452

Client Project: KIN-24Q1 **Report Date:** 20-Mar-24

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

Batch R344017 **SampType:** MS Units **mg/L**
SampID: 24030361-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.46**	0.5000	0.02900	86.2	85	115	03/06/2024

Batch R344017 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24030361-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.46**	0.5000	0.02900	86.4	0.4600	0.22	03/06/2024

Batch R344017 **SampType:** MS Units **mg/L**
SampID: 24030361-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.25	E	**3.96**	2.500	1.535	97.0	85	115	03/06/2024

Batch R344017 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24030361-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.25	E	**3.96**	2.500	1.535	97.0	3.960	0.00	03/06/2024

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

Batch R343933 **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**						03/05/2024
Nitrogen, Nitrate-Nitrite (as N)		0.050		**< 0.050**	0.0090	0	0	-100	100	03/05/2024

Batch R343933 **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		**0.511**	0.5000	0	102.2	90	110	03/05/2024

Batch R343933 **SampType:** MS Units **mg/L**
SampID: 24022012-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.250		**1.96**	1.250	0.7050	100.4	90	110	03/05/2024

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

Batch R343933 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24022012-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.250		**1.98**	1.250	0.7050	101.6	1.960	0.76	03/05/2024

Batch R343933 **SampType:** MS Units **mg/L**
SampID: 24022134-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.500		**6.96**	2.500	4.466	99.8	90	110	03/05/2024

Batch R343933 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24022134-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.500		**6.83**	2.500	4.466	94.4	6.960	1.94	03/05/2024

Batch R343933 **SampType:** MS Units **mg/L**
SampID: 24030110-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		2.50		**30.1**	12.50	17.98	96.7	90	110	03/05/2024

Batch R343933 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24030110-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		2.50		**30.1**	12.50	17.98	96.6	30.06	0.01	03/05/2024

Batch R343996 **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**						03/06/2024
Nitrogen, Nitrate-Nitrite (as N)		0.050		**< 0.050**	0.0090	0	0	-100	100	03/06/2024

Batch R343996 **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		**0.510**	0.5000	0	102.0	90	110	03/06/2024

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Client: Ramboll **Work Order:** 24021452

Client Project: KIN-24Q1 **Report Date:** 20-Mar-24

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Batch R343996 **SampType:** MS Units **mg/L**
SampID: 24021452-009AMS

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	0.05400	91.6	85	115	03/06/2024

Batch R343996 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24021452-009AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.284**	0.2500	0.05400	92.0	0.2830	0.35	03/06/2024

Batch R343996 **SampType:** MS Units **mg/L**
SampID: 24030108-001JMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		2.50		**28.5**	12.50	16.70	94.6	90	110	03/06/2024

Batch R343996 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24030108-001JMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		2.50		**28.4**	12.50	16.70	93.3	28.53	0.59	03/06/2024

Batch R343996 **SampType:** MS Units **mg/L**
SampID: 24030231-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		**9.58**	5.000	4.948	92.7	90	110	03/06/2024

Batch R343996 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24030231-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		**9.72**	5.000	4.948	95.5	9.583	1.44	03/06/2024

Batch R343996 **SampType:** MS Units **mg/L**
SampID: 24030236-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.500		**3.93**	2.500	1.512	96.6	90	110	03/06/2024

Batch R343996 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24030236-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.500		**3.88**	2.500	1.512	94.6	3.926	1.26	03/06/2024

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Client Project: KIN-24Q1 **Report Date:** 20-Mar-24

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

Batch R343996 **SampType:** MS Units **mg/L**
SampID: 24030297-001DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.500	S	**2.19**	2.500	0.09600	83.8	90	110	03/06/2024

Batch R343996 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24030297-001DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.500	S	**2.12**	2.500	0.09600	80.9	2.191	3.39	03/06/2024

Batch R343996 **SampType:** MS Units **mg/L**
SampID: 24030316-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		**19.8**	5.000	14.90	98.6	90	110	03/06/2024

Batch R343996 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24030316-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		**20.0**	5.000	14.90	101.0	19.83	0.60	03/06/2024

SW-846 9012A (TOTAL)

Batch 219527 **SampType:** MBLK Units **mg/L**
SampID: MBLK 240305 TCN1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**< 0.005**	0.0015	0	0	-100	100	03/06/2024

Batch 219527 **SampType:** LCS Units **mg/L**
SampID: LCS 240305 TCN1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.025**	0.0250	0	98.9	90	110	03/06/2024

Batch 219527 **SampType:** MS Units **µg/L**
SampID: 24030177-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		5.00		**25.8**	25.00	1.490	97.0	90	110	03/06/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24021452

Client Project: KIN-24Q1 **Report Date:** 20-Mar-24

SW-846 9012A (TOTAL)

Batch 219527 **SampType:** MSD Units **µg/L** RPD Limit **15**
SampID: 24030177-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		5.00		**26.6**	25.00	1.490	100.2	25.75	3.06	03/06/2024

Batch 219580 **SampType:** MBLK Units **mg/L**
SampID: MBLK 240306 TCN1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**< 0.005**	0.0015	0	0	-100	100	03/07/2024

Batch 219580 **SampType:** LCS Units **mg/L**
SampID: LCS 240306 TCN1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.024**	0.0250	0	96.3	90	110	03/07/2024

Batch 219580 **SampType:** MS Units **mg/L**
SampID: 24030248-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005	S	**0.022**	0.0250	0	88.3	90	110	03/07/2024

Batch 219580 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24030248-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.023**	0.0250	0	92.4	0.02207	4.60	03/07/2024

Batch 219580 **SampType:** MS Units **mg/L**
SampID: 24030319-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.025**	0.0250	0	98.3	90	110	03/07/2024

Batch 219580 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24030319-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.026**	0.0250	0	103.4	0.02458	5.08	03/07/2024

Batch 219640 **SampType:** MBLK Units **mg/L**
SampID: MBLK 240307 TCN1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**< 0.005**	0.0015	0	0	-100	100	03/08/2024

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Client: Ramboll **Work Order:** 24021452

Client Project: KIN-24Q1 **Report Date:** 20-Mar-24

SW-846 9012A (TOTAL)

Batch 219640 **SampType:** LCS Units **mg/L**
SampID: LCS 240307 TCN1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.024**	0.0250	0	97.6	90	110	03/08/2024

Batch 219640 **SampType:** MS Units **mg/L**
SampID: 24030366-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.025**	0.0250	0	99.9	90	110	03/08/2024

Batch 219640 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24030366-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.025**	0.0250	0	100.1	0.02496	0.22	03/08/2024

Batch 219640 **SampType:** MS Units **mg/L**
SampID: 24030461-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.025		**0.128**	0.1250	0.01330	91.6	90	110	03/08/2024

Batch 219640 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24030461-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.025		**0.129**	0.1250	0.01330	92.5	0.1278	0.86	03/08/2024

SW-846 9036 (TOTAL)

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

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Client: Ramboll **Work Order:** 24021452

Client Project: KIN-24Q1 **Report Date:** 20-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

Batch R344022 **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	03/06/2024

Batch R344022 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**19**	20.00	0	97.5	90	110	03/06/2024

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Client Project: KIN-24Q1 **Report Date:** 20-Mar-24

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Batch R344022 **SampType:** MS Units **mg/L**
SampID: 24021452-006AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		100		**320**	200.0	143.5	88.3	85	115	03/06/2024

Batch R344022 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24021452-006AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		100		**323**	200.0	143.5	89.8	320.2	0.90	03/06/2024

Batch R344022 **SampType:** MS Units **mg/L**
SampID: 24021452-017AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		20		**85**	40.00	48.02	93.0	85	115	03/06/2024

Batch R344022 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24021452-017AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		20		**86**	40.00	48.02	94.8	85.20	0.84	03/06/2024

Batch R344022 **SampType:** MS Units **mg/L**
SampID: 24030067-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50		**193**	100.0	98.68	94.4	85	115	03/06/2024

Batch R344022 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24030067-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		50		**197**	100.0	98.68	98.2	193.1	1.98	03/06/2024

Batch R344022 **SampType:** MS Units **mg/L**
SampID: 24030297-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		500		**2120**	1000	1213	90.7	90	110	03/06/2024

Batch R344022 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24030297-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		500	S	**2090**	1000	1213	87.5	2120	1.50	03/06/2024

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Client: Ramboll **Work Order:** 24021452

Client Project: KIN-24Q1 **Report Date:** 20-Mar-24

SW-846 9036 (TOTAL)

Batch R344091 **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	03/07/2024

Batch R344091 **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	03/07/2024

Batch R344091 **SampType:** MS Units **mg/L**
SampID: 24021452-020AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10	S	**20**	20.00	8.560	58.7	85	115	03/07/2024

Batch R344091 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24021452-020AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10	S	**20**	20.00	8.560	57.6	20.30	1.04	03/07/2024

Batch R344091 **SampType:** MS Units **mg/L**
SampID: 24030421-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50	S	**156**	100.0	75.26	80.9	90	110	03/07/2024

Batch R344091 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24030421-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		50		**166**	100.0	75.26	90.4	156.2	5.87	03/07/2024

Batch R344091 **SampType:** MS Units **mg/L**
SampID: 24030421-007AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50	S	**150**	100.0	62.72	87.6	90	110	03/07/2024

Batch R344091 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24030421-007AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		50	S	**153**	100.0	62.72	89.9	150.3	1.51	03/07/2024

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Client: Ramboll **Work Order:** 24021452

Client Project: KIN-24Q1 **Report Date:** 20-Mar-24

SW-846 9036 (TOTAL)

Batch R344209 **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	03/11/2024

Batch R344209 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**19**	20.00	0	97.0	90	110	03/11/2024

Batch R344209 **SampType:** MS Units **mg/L**
SampID: 24030670-006BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50	S	**151**	100.0	66.53	84.9	90	110	03/11/2024

Batch R344209 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24030670-006BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		50	S	**154**	100.0	66.53	87.9	151.5	1.95	03/11/2024

Batch R344209 **SampType:** MS Units **mg/L**
SampID: 24030674-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		100	S	**352**	200.0	174.9	88.6	90	110	03/11/2024

Batch R344209 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24030674-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		100		**355**	200.0	174.9	90.1	352.2	0.84	03/11/2024

SW-846 9214 (TOTAL)

Batch R343920 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**< 0.10**	0.0500	0	0	-100	100	03/05/2024

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Client: Ramboll **Work Order:** 24021452

Client Project: KIN-24Q1 **Report Date:** 20-Mar-24

SW-846 9214 (TOTAL)

Batch R343920 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**0.92**	1.000	0	91.8	90	110	03/05/2024

Batch R343920 **SampType:** MS Units **mg/L**
SampID: 24021452-022AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.44**	2.000	0.2940	107.4	75	125	03/05/2024

Batch R343920 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24021452-022AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.28**	2.000	0.2940	99.5	2.441	6.65	03/05/2024

Batch R343920 **SampType:** MS Units **mg/L**
SampID: 24030152-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.86**	2.000	0.8110	102.4	75	125	03/05/2024

Batch R343920 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24030152-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.98**	2.000	0.8110	108.4	2.858	4.18	03/05/2024

Batch R344013 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**< 0.10**	0.0500	0	0	-100	100	03/06/2024

Batch R344013 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**0.97**	1.000	0	97.0	90	110	03/06/2024

Batch R344013 **SampType:** MS Units **mg/L**
SampID: 24021452-011AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.07**	2.000	0.1400	96.5	75	125	03/06/2024

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Client: Ramboll **Work Order:** 24021452

Client Project: KIN-24Q1 **Report Date:** 20-Mar-24

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Batch R344013 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24021452-011AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.04**	2.000	0.1400	94.9	2.070	1.56	03/06/2024

Batch R344013 **SampType:** MS Units **mg/L**
SampID: 24021452-017AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.28**	2.000	0.3410	96.8	75	125	03/06/2024

Batch R344013 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24021452-017AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.36**	2.000	0.3410	100.8	2.276	3.50	03/06/2024

Batch R344013 **SampType:** MS Units **mg/L**
SampID: 24030297-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.36**	2.000	0.3470	100.8	75	125	03/06/2024

Batch R344013 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24030297-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.25**	2.000	0.3470	95.0	2.364	5.07	03/06/2024

Batch R344072 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**< 0.10**	0.0500	0	0	-100	100	03/07/2024

Batch R344072 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**0.94**	1.000	0	94.4	90	110	03/07/2024

Batch R344072 **SampType:** MS Units **mg/L**
SampID: 24021452-029AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.32**	2.000	0.3410	99.2	75	125	03/07/2024

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Batch R344072 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24021452-029AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.31**	2.000	0.3410	98.6	2.324	0.52	03/07/2024

Batch R344072 **SampType:** MS Units **mg/L**
SampID: 24021452-032AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**1.91**	2.000	0	95.5	75	125	03/07/2024

Batch R344072 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24021452-032AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**1.89**	2.000	0	94.5	1.910	1.05	03/07/2024

Batch R344072 **SampType:** MS Units **mg/L**
SampID: 24030433-004AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.29**	2.000	0.3070	99.2	75	125	03/07/2024

Batch R344072 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24030433-004AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.27**	2.000	0.3070	98.0	2.292	1.10	03/07/2024

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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

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Client Project: KIN-24Q1 **Report Date:** 20-Mar-24

SW-846 9251 (TOTAL)

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

Batch R344025 **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	03/06/2024

Batch R344025 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**20**	20.00	0	102.4	90	110	03/06/2024

Batch R344025 **SampType:** MS Units **mg/L**
SampID: 24021452-006AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**23**	20.00	2.940	98.0	85	115	03/06/2024

Batch R344025 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24021452-006AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**22**	20.00	2.940	96.9	22.54	0.98	03/06/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24021452

Client Project: KIN-24Q1 **Report Date:** 20-Mar-24

SW-846 9251 (TOTAL)

Batch R344025 **SampType:** MS Units **mg/L**
SampID: 24021452-017AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**44**	20.00	26.60	89.1	85	115	03/06/2024

Batch R344025 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24021452-017AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**44**	20.00	26.60	89.4	44.41	0.14	03/06/2024

Batch R344025 **SampType:** MS Units **mg/L**
SampID: 24030297-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		200		**1710**	1000	786.6	92.5	85	115	03/06/2024

Batch R344025 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24030297-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		200		**1680**	1000	786.6	89.2	1711	1.93	03/06/2024

Batch R344096 **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	03/07/2024

Batch R344096 **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	101.7	90	110	03/07/2024

Batch R344096 **SampType:** MS Units **mg/L**
SampID: 24021452-020AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4	E	**60**	20.00	42.24	91.2	85	115	03/07/2024

Batch R344096 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24021452-020AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4	E	**60**	20.00	42.24	89.2	60.47	0.65	03/07/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24021452

Client Project: KIN-24Q1 **Report Date:** 20-Mar-24

SW-846 9251 (TOTAL)

Batch R344096 **SampType:** MS Units **mg/L**
SampID: 24030421-007AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		20		**223**	100.0	131.5	91.6	85	115	03/07/2024

Batch R344096 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24030421-007AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		20		**220**	100.0	131.5	88.8	223.0	1.24	03/07/2024

Batch R344214 **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	03/11/2024

Batch R344214 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**20**	20.00	0	102.1	90	110	03/11/2024

Batch R344214 **SampType:** MS Units **mg/L**
SampID: 24030421-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		40		**291**	200.0	108.3	91.5	85	115	03/11/2024

Batch R344214 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24030421-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		40		**287**	200.0	108.3	89.4	291.2	1.40	03/11/2024

Batch R344214 **SampType:** MS Units **mg/L**
SampID: 24030425-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		80		**597**	400.0	238.0	89.7	85	115	03/11/2024

Batch R344214 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24030425-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		80		**594**	400.0	238.0	89.0	596.9	0.50	03/11/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24021452

Client Project: KIN-24Q1 **Report Date:** 20-Mar-24

SW-846 9251 (TOTAL)

Batch R344214 **SampType:** MS Units **mg/L**
SampID: 24030657-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**39**	20.00	21.65	87.3	85	115	03/11/2024

Batch R344214 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24030657-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**39**	20.00	21.65	88.6	39.11	0.69	03/11/2024

Batch R344214 **SampType:** MS Units **mg/L**
SampID: 24030674-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		40		**480**	200.0	307.1	86.5	85	115	03/11/2024

Batch R344214 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24030674-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		40		**477**	200.0	307.1	85.2	480.1	0.55	03/11/2024

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 219478 **SampType:** MBLK Units **mg/L**
SampID: MBLK-219478

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	03/05/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	03/05/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	03/05/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	03/05/2024

Batch 219478 **SampType:** LCS Units **mg/L**
SampID: LCS-219478

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	03/05/2024
Magnesium		0.0500		**2.31**	2.500	0	92.4	85	115	03/05/2024
Potassium		0.100		**2.55**	2.500	0	102.1	85	115	03/05/2024
Sodium		0.0500		**2.51**	2.500	0	100.2	85	115	03/05/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24021452

Client Project: KIN-24Q1 **Report Date:** 20-Mar-24

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 219478 **SampType:** MS Units **mg/L**

SampID: 24021452-008BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**171**	2.500	171.9	-22.0	75	125	03/05/2024
Magnesium		0.0500	S	**71.7**	2.500	70.26	56.1	75	125	03/05/2024
Potassium		0.100		**4.85**	2.500	2.274	103.2	75	125	03/05/2024
Sodium		0.0500	S	**95.5**	2.500	93.91	63.6	75	125	03/05/2024

Batch 219478 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 24021452-008BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**177**	2.500	171.9	189.6	171.4	3.04	03/05/2024
Magnesium		0.0500	S	**73.9**	2.500	70.26	143.8	71.66	3.02	03/05/2024
Potassium		0.100		**4.86**	2.500	2.274	103.5	4.854	0.15	03/05/2024
Sodium		0.0500	S	**98.3**	2.500	93.91	177.2	95.50	2.93	03/05/2024

Batch 219540 **SampType:** MBLK Units **mg/L**

SampID: MBLK-219540

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	03/06/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	03/06/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	03/06/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	03/06/2024

Batch 219540 **SampType:** LCS Units **mg/L**

SampID: LCS-219540

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.67**	2.500	0	106.7	85	115	03/06/2024
Magnesium		0.0500		**2.56**	2.500	0	102.6	85	115	03/06/2024
Potassium		0.100		**2.54**	2.500	0	101.4	85	115	03/06/2024
Sodium		0.0500		**2.60**	2.500	0	104.1	85	115	03/06/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24021452

Client Project: KIN-24Q1 **Report Date:** 20-Mar-24

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 219558 **SampType:** MBLK Units **mg/L**

SampID: MBLK-219558

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	03/07/2024
Arsenic		0.0250		**< 0.0250**	0.0087	0	0	-100	100	03/07/2024
Barium		0.0025		**< 0.0025**	0.0007	0	0	-100	100	03/07/2024
Beryllium		0.0005		**< 0.0005**	0.0002	0	0	-100	100	03/07/2024
Boron		0.0200		**< 0.0200**	0.0090	0	0	-100	100	03/07/2024
Cadmium		0.0020	J	**0.0005**	0.0005	0	100.0	-100	100	03/07/2024
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	03/07/2024
Chromium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	03/07/2024
Cobalt		0.0050		**< 0.0050**	0.0020	0	0	-100	100	03/07/2024
Copper		0.0050		**< 0.0050**	0.0013	0	0	-100	100	03/07/2024
Iron		0.0400		**< 0.0400**	0.0200	0	0	-100	100	03/07/2024
Lead		0.0150		**< 0.0150**	0.0014	0	0	-100	100	03/07/2024
Lithium		0.0050		**< 0.0050**	0.0019	0	0	-100	100	03/07/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	03/07/2024
Manganese		0.0070		**< 0.0070**	0.0025	0	0	-100	100	03/07/2024
Molybdenum		0.0100		**< 0.0100**	0.0037	0	0	-100	100	03/07/2024
Nickel		0.0050		**< 0.0050**	0.0016	0	0	-100	100	03/07/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	03/07/2024
Selenium		0.0400		**< 0.0400**	0.0170	0	0	-100	100	03/07/2024
Silver		0.0070		**< 0.0070**	0.0027	0	0	-100	100	03/07/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	03/07/2024
Thallium		0.0500		**< 0.0500**	0.0111	0	0	-100	100	03/07/2024
Vanadium		0.0100		**< 0.0100**	0.0009	0	0	-100	100	03/07/2024
Zinc		0.0100		**< 0.0100**	0.0050	0	0	-100	100	03/07/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

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Client: Ramboll **Work Order:** 24021452

Client Project: KIN-24Q1 **Report Date:** 20-Mar-24

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 219558 **SampType:** LCS Units **mg/L**

SampID: LCS-219558

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0500		**0.506**	0.5000	0	101.2	85	115	03/07/2024
Arsenic		0.0250		**0.528**	0.5000	0	105.6	85	115	03/07/2024
Barium		0.0025		**1.96**	2.000	0	98.0	85	115	03/07/2024
Beryllium		0.0005		**0.0523**	0.0500	0	104.6	85	115	03/07/2024
Boron		0.0200		**0.497**	0.5000	0	99.4	85	115	03/07/2024
Cadmium		0.0020		**0.0486**	0.0500	0	97.2	85	115	03/07/2024
Calcium		0.100		**2.58**	2.500	0	103.1	85	115	03/07/2024
Chromium		0.0050		**0.198**	0.2000	0	98.8	85	115	03/07/2024
Cobalt		0.0050		**0.510**	0.5000	0	102.0	85	115	03/07/2024
Copper		0.0050		**0.266**	0.2500	0	106.3	85	115	03/07/2024
Iron		0.0400		**2.08**	2.000	0	104.0	85	115	03/07/2024
Lead		0.0150		**0.500**	0.5000	0	100.1	85	115	03/07/2024
Lithium		0.0050		**0.516**	0.5000	0	103.2	85	115	03/07/2024
Magnesium		0.0500		**2.42**	2.500	0	96.9	85	115	03/07/2024
Manganese		0.0070		**0.510**	0.5000	0	102.0	85	115	03/07/2024
Molybdenum		0.0100		**0.490**	0.5000	0	98.1	85	115	03/07/2024
Nickel		0.0050		**0.504**	0.5000	0	100.8	85	115	03/07/2024
Potassium		0.100		**2.59**	2.500	0	103.8	85	115	03/07/2024
Selenium		0.0400		**0.513**	0.5000	0	102.6	85	115	03/07/2024
Silver		0.0070		**0.0483**	0.0500	0	96.6	85	115	03/07/2024
Sodium		0.0500		**2.57**	2.500	0	102.9	85	115	03/07/2024
Thallium		0.0500		**0.252**	0.2500	0	100.8	85	115	03/07/2024
Vanadium		0.0100		**0.497**	0.5000	0	99.4	85	115	03/07/2024
Zinc		0.0100		**0.501**	0.5000	0	100.1	85	115	03/07/2024

Batch 219558 **SampType:** MS Units **mg/L**

SampID: 24021452-033BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**160**	2.500	156.2	158.8	75	125	03/07/2024
Magnesium		0.0500		**74.7**	2.500	71.68	121.9	75	125	03/07/2024
Potassium		0.100		**3.30**	2.500	0.5643	109.4	75	125	03/07/2024
Sodium		0.0500		**30.3**	2.500	27.72	104.4	75	125	03/07/2024

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Environmental Laboratory

Quality Control Results

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Client: Ramboll **Work Order:** 24021452

Client Project: KIN-24Q1 **Report Date:** 20-Mar-24

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 219558 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 24021452-033BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**157**	2.500	156.2	52.4	160.1	1.68	03/07/2024
Magnesium		0.0500		**73.7**	2.500	71.68	81.2	74.73	1.37	03/07/2024
Potassium		0.100		**3.26**	2.500	0.5643	107.8	3.300	1.23	03/07/2024
Sodium		0.0500		**29.8**	2.500	27.72	84.0	30.33	1.70	03/07/2024

Batch 219587 **SampType:** MBLK Units **mg/L**

SampID: MBLK-219587

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	03/07/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	03/07/2024
Manganese		0.0070		**< 0.0070**	0.0025	0	0	-100	100	03/07/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	03/07/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	03/07/2024

Batch 219587 **SampType:** LCS Units **mg/L**

SampID: LCS-219587

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	03/07/2024
Magnesium		0.0500		**2.40**	2.500	0	95.8	85	115	03/07/2024
Manganese		0.0070		**0.523**	0.5000	0	104.6	85	115	03/07/2024
Potassium		0.100		**2.74**	2.500	0	109.6	85	115	03/07/2024
Sodium		0.0500		**2.64**	2.500	0	105.5	85	115	03/07/2024

Batch 219587 **SampType:** MS Units **mg/L**

SampID: 24021452-025BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**117**	2.500	112.7	159.2	75	125	03/07/2024
Magnesium		0.0500		**46.7**	2.500	43.80	115.5	75	125	03/07/2024
Potassium		0.100		**3.91**	2.500	1.202	108.2	75	125	03/07/2024
Sodium		0.0500	S	**38.0**	2.500	34.74	129.2	75	125	03/07/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24021452

Client Project: KIN-24Q1 **Report Date:** 20-Mar-24

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 219587 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 24021452-025BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**116**	2.500	112.7	127.6	116.7	0.68	03/07/2024
Magnesium		0.0500		**46.3**	2.500	43.80	100.6	46.69	0.80	03/07/2024
Potassium		0.100		**3.87**	2.500	1.202	106.8	3.908	0.94	03/07/2024
Sodium		0.0500		**37.3**	2.500	34.74	104.0	37.97	1.67	03/07/2024

Batch 219587 **SampType:** MS Units **mg/L**

SampID: 24030380-003CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Manganese		0.0070		**0.726**	0.5000	0.2217	100.8	75	125	03/07/2024

Batch 219587 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 24030380-003CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Manganese		0.0070		**0.728**	0.5000	0.2217	101.3	0.7255	0.37	03/07/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24021452

Client Project: KIN-24Q1 **Report Date:** 20-Mar-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 219478 **SampType:** MBLK Units **mg/L**

SampID: MBLK-219478

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	03/06/2024
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	03/06/2024
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
Copper		0.0010		**< 0.0010**	0.0003	0	0	-100	100	03/05/2024
Iron		0.0250		**< 0.0250**	0.0115	0	0	-100	100	03/06/2024
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	03/06/2024
Nickel		0.0010		**< 0.0010**	0.0004	0	0	-100	100	03/05/2024
Selenium		0.0010		**< 0.0010**	0.0006	0	0	-100	100	03/05/2024
Silver		0.0010		**< 0.0010**	0.0001	0	0	-100	100	03/06/2024
Thallium		0.0020		**< 0.0020**	0.0010	0	0	-100	100	03/05/2024
Vanadium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	03/06/2024
Zinc		0.0150		**< 0.0150**	0.0059	0	0	-100	100	03/06/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24021452

Client Project: KIN-24Q1 **Report Date:** 20-Mar-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 219478 **SampType:** LCS Units **mg/L**

SampID: LCS-219478

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		**0.552**	0.5000	0	110.5	80	120	03/06/2024
Arsenic		0.0010		**0.495**	0.5000	0	99.0	80	120	03/05/2024
Barium		0.0010		**1.99**	2.000	0	99.6	80	120	03/06/2024
Beryllium		0.0010		**0.0494**	0.0500	0	98.8	80	120	03/05/2024
Boron		0.0250		**0.486**	0.5000	0	97.3	80	120	03/06/2024
Cadmium		0.0010		**0.0471**	0.0500	0	94.2	80	120	03/05/2024
Chromium		0.0015		**0.180**	0.2000	0	90.2	80	120	03/05/2024
Cobalt		0.0010		**0.465**	0.5000	0	93.0	80	120	03/05/2024
Copper		0.0010		**0.236**	0.2500	0	94.6	80	120	03/05/2024
Iron		0.0250		**2.08**	2.000	0	104.1	80	120	03/06/2024
Lead		0.0010		**0.504**	0.5000	0	100.7	80	120	03/05/2024
Lithium	*	0.0030		**0.500**	0.5000	0	100.0	80	120	03/06/2024
Manganese		0.0020		**0.459**	0.5000	0	91.8	80	120	03/05/2024
Molybdenum		0.0015		**0.512**	0.5000	0	102.4	80	120	03/06/2024
Nickel		0.0010		**0.460**	0.5000	0	92.0	80	120	03/05/2024
Selenium		0.0010		**0.477**	0.5000	0	95.4	80	120	03/05/2024
Silver		0.0010		**0.0527**	0.0500	0	105.4	80	120	03/06/2024
Thallium		0.0020		**0.201**	0.2500	0	80.4	80	120	03/05/2024
Vanadium		0.0050		**0.497**	0.5000	0	99.4	80	120	03/06/2024
Zinc		0.0150		**0.509**	0.5000	0	101.8	80	120	03/06/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24021452

Client Project: KIN-24Q1 **Report Date:** 20-Mar-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 219478 **SampType:** MS Units **mg/L**

SampID: 24021452-008BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		**0.581**	0.5000	0	116.3	75	125	03/06/2024
Arsenic		0.0010		**0.519**	0.5000	0.006877	102.4	75	125	03/06/2024
Barium		0.0010		**2.09**	2.000	0.03896	102.7	75	125	03/06/2024
Beryllium		0.0010		**0.0519**	0.0500	0	103.8	75	125	03/06/2024
Boron		0.0250		**4.97**	0.5000	4.414	111.5	75	125	03/06/2024
Cadmium		0.0010		**0.0524**	0.0500	0	104.7	75	125	03/06/2024
Chromium		0.0015		**0.206**	0.2000	0.002549	101.9	75	125	03/06/2024
Cobalt		0.0010		**0.475**	0.5000	0.0007634	94.9	75	125	03/06/2024
Lead		0.0010		**0.513**	0.5000	0	102.6	75	125	03/06/2024
Lithium	*	0.0030		**0.502**	0.5000	0	100.4	75	125	03/06/2024
Molybdenum		0.0015		**0.517**	0.5000	0.001366	103.1	75	125	03/06/2024
Selenium		0.0010		**0.496**	0.5000	0	99.2	75	125	03/06/2024
Thallium		0.0020		**0.249**	0.2500	0	99.4	75	125	03/07/2024

Batch 219478 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 24021452-008BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		0.0010		**0.536**	0.5000	0	107.2	0.5813	8.08	03/06/2024
Arsenic		0.0010		**0.500**	0.5000	0.006877	98.7	0.5188	3.63	03/06/2024
Barium		0.0010		**1.96**	2.000	0.03896	95.9	2.093	6.67	03/06/2024
Beryllium		0.0010		**0.0486**	0.0500	0	97.3	0.05188	6.44	03/06/2024
Boron		0.0250		**4.84**	0.5000	4.414	85.2	4.971	2.68	03/06/2024
Cadmium		0.0010		**0.0471**	0.0500	0	94.3	0.05237	10.54	03/06/2024
Chromium		0.0015		**0.189**	0.2000	0.002549	93.4	0.2064	8.59	03/06/2024
Cobalt		0.0010		**0.460**	0.5000	0.0007634	91.9	0.4752	3.23	03/06/2024
Lead		0.0010		**0.469**	0.5000	0	93.9	0.5132	8.92	03/06/2024
Lithium	*	0.0030		**0.473**	0.5000	0	94.6	0.5019	5.92	03/06/2024
Molybdenum		0.0015		**0.494**	0.5000	0.001366	98.6	0.5169	4.48	03/06/2024
Selenium		0.0010		**0.478**	0.5000	0	95.5	0.4962	3.81	03/06/2024
Thallium		0.0020		**0.239**	0.2500	0	95.8	0.2485	3.74	03/07/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24021452

Client Project: KIN-24Q1 **Report Date:** 20-Mar-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 219540 **SampType:** MBLK Units **mg/L**

SampID: MBLK-219540

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	03/06/2024
Arsenic		0.0010		**< 0.0010**	0.0004	0	0	-100	100	03/06/2024
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	03/06/2024
Boron	*	0.0250		**< 0.0250**	0.0093	0	0	-100	100	03/06/2024
Cadmium		0.0010		**< 0.0010**	0.0001	0	0	-100	100	03/06/2024
Chromium		0.0015		**< 0.0015**	0.0007	0	0	-100	100	03/07/2024
Cobalt		0.0010		**< 0.0010**	0.0001	0	0	-100	100	03/06/2024
Copper		0.0010		**< 0.0010**	0.0003	0	0	-100	100	03/07/2024
Iron	*	0.0250		**< 0.0250**	0.0115	0	0	-100	100	03/06/2024
Lead		0.0010		**< 0.0010**	0.0006	0	0	-100	100	03/07/2024
Lithium	*	0.0030		**< 0.0030**	0.0015	0	0	-100	100	03/06/2024
Manganese		0.0020		**< 0.0020**	0.0008	0	0	-100	100	03/06/2024
Molybdenum		0.0015		**< 0.0015**	0.0006	0	0	-100	100	03/06/2024
Nickel		0.0010		**< 0.0010**	0.0004	0	0	-100	100	03/07/2024
Selenium		0.0010		**< 0.0010**	0.0006	0	0	-100	100	03/06/2024
Silver		0.0010		**< 0.0010**	0.0001	0	0	-100	100	03/06/2024
Thallium		0.0020		**< 0.0020**	0.0010	0	0	-100	100	03/07/2024
Vanadium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	03/06/2024
Zinc		0.0150		**< 0.0150**	0.0059	0	0	-100	100	03/07/2024

Teklab, Inc.
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Quality Control Results

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Client: Ramboll **Work Order:** 24021452

Client Project: KIN-24Q1 **Report Date:** 20-Mar-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 219540 **SampType:** LCS Units **mg/L**

SampID: LCS-219540

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		**0.546**	0.5000	0	109.3	85	115	03/06/2024
Arsenic		0.0010		**0.489**	0.5000	0	97.8	85	115	03/06/2024
Barium		0.0010		**1.97**	2.000	0	98.7	85	115	03/06/2024
Beryllium		0.0010		**0.0493**	0.0500	0	98.6	85	115	03/06/2024
Boron		0.0250		**0.482**	0.5000	0	96.4	80	120	03/07/2024
Cadmium		0.0010		**0.0498**	0.0500	0	99.7	85	115	03/06/2024
Chromium		0.0015		**0.201**	0.2000	0	100.7	80	120	03/07/2024
Cobalt		0.0010		**0.490**	0.5000	0	98.1	85	115	03/06/2024
Copper		0.0010		**0.255**	0.2500	0	102.0	80	120	03/07/2024
Iron		0.0250		**1.98**	2.000	0	98.8	80	120	03/07/2024
Lead		0.0010		**0.507**	0.5000	0	101.4	80	120	03/07/2024
Lithium	*	0.0030		**0.493**	0.5000	0	98.7	80	120	03/07/2024
Manganese		0.0020		**0.496**	0.5000	0	99.1	85	115	03/06/2024
Molybdenum		0.0015		**0.458**	0.5000	0	91.6	80	120	03/07/2024
Nickel		0.0010		**0.499**	0.5000	0	99.8	80	120	03/07/2024
Selenium		0.0010		**0.480**	0.5000	0	96.0	85	115	03/06/2024
Silver		0.0010		**0.0522**	0.0500	0	104.3	85	115	03/06/2024
Thallium		0.0020		**0.236**	0.2500	0	94.5	80	120	03/07/2024
Vanadium		0.0050		**0.485**	0.5000	0	97.0	85	115	03/06/2024
Zinc		0.0150		**0.538**	0.5000	0	107.6	80	120	03/07/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24021452

Client Project: KIN-24Q1 **Report Date:** 20-Mar-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 219540 **SampType:** MS Units **mg/L**

SampID: 24021452-012BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		**0.570**	0.5000	0	114.0	75	125	03/07/2024
Arsenic		0.0010		**0.508**	0.5000	0.0007511	101.5	75	125	03/07/2024
Barium		0.0010		**2.06**	2.000	0.03619	101.2	75	125	03/07/2024
Beryllium		0.0010		**0.0535**	0.0500	0	107.0	75	125	03/07/2024
Boron		0.0250		**1.56**	0.5000	1.028	107.2	75	125	03/07/2024
Cadmium		0.0010		**0.0511**	0.0500	0	102.3	75	125	03/07/2024
Chromium		0.0015		**0.196**	0.2000	0.003414	96.3	75	125	03/07/2024
Cobalt		0.0010		**0.481**	0.5000	0.0007586	96.1	75	125	03/07/2024
Copper		0.0010		**0.244**	0.2500	0.003011	96.3	75	125	03/07/2024
Iron		0.0250		**3.64**	2.000	1.647	99.5	75	125	03/07/2024
Lead		0.0010		**0.493**	0.5000	0.001553	98.4	75	125	03/07/2024
Manganese		0.0020		**0.523**	0.5000	0.02617	99.4	75	125	03/07/2024
Nickel		0.0010		**0.484**	0.5000	0.002237	96.3	75	125	03/07/2024
Selenium		0.0010		**0.526**	0.5000	0.02564	100.1	75	125	03/07/2024
Silver		0.0010		**0.0515**	0.0500	0	102.9	75	125	03/07/2024
Thallium		0.0020		**0.247**	0.2500	0	98.7	75	125	03/07/2024
Vanadium		0.0050		**0.502**	0.5000	0.004019	99.5	75	125	03/07/2024
Zinc		0.0150		**0.533**	0.5000	0.006907	105.3	75	125	03/07/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

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Client: Ramboll **Work Order:** 24021452

Client Project: KIN-24Q1 **Report Date:** 20-Mar-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 219540 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 24021452-012BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		0.0010		**0.558**	0.5000	0	111.5	0.5700	2.21	03/07/2024
Arsenic		0.0010		**0.508**	0.5000	0.0007511	101.4	0.5080	0.10	03/07/2024
Barium		0.0010		**2.01**	2.000	0.03619	98.9	2.061	2.25	03/07/2024
Beryllium		0.0010		**0.0527**	0.0500	0	105.3	0.05349	1.56	03/07/2024
Boron		0.0250		**1.55**	0.5000	1.028	104.9	1.564	0.71	03/07/2024
Cadmium		0.0010		**0.0507**	0.0500	0	101.4	0.05114	0.82	03/07/2024
Chromium		0.0015		**0.194**	0.2000	0.003414	95.1	0.1960	1.18	03/07/2024
Cobalt		0.0010		**0.476**	0.5000	0.0007586	95.1	0.4815	1.04	03/07/2024
Copper		0.0010		**0.238**	0.2500	0.003011	93.9	0.2438	2.56	03/07/2024
Iron		0.0250		**3.53**	2.000	1.647	94.0	3.638	3.12	03/07/2024
Lead		0.0010		**0.480**	0.5000	0.001553	95.7	0.4935	2.74	03/07/2024
Manganese		0.0020		**0.519**	0.5000	0.02617	98.6	0.5234	0.78	03/07/2024
Nickel		0.0010		**0.472**	0.5000	0.002237	93.9	0.4839	2.50	03/07/2024
Selenium		0.0010		**0.524**	0.5000	0.02564	99.7	0.5261	0.35	03/07/2024
Silver		0.0010		**0.0532**	0.0500	0	106.4	0.05147	3.27	03/07/2024
Thallium		0.0020		**0.246**	0.2500	0	98.4	0.2468	0.32	03/07/2024
Vanadium		0.0050		**0.495**	0.5000	0.004019	98.1	0.5017	1.42	03/07/2024
Zinc		0.0150		**0.514**	0.5000	0.006907	101.5	0.5332	3.58	03/07/2024

Batch 219540 **SampType:** MS Units **mg/L**

SampID: 24030248-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Selenium		0.0010		**0.487**	0.5000	0	97.3	70	130	03/07/2024

Batch 219540 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 24030248-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Selenium		0.0010		**0.513**	0.5000	0	102.7	0.4867	5.34	03/07/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24021452

Client Project: KIN-24Q1 **Report Date:** 20-Mar-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 219558 **SampType:** MBLK Units **mg/L**

SampID: MBLK-219558

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	03/09/2024
Arsenic		0.0010		**< 0.0010**	0.0004	0	0	-100	100	03/09/2024
Barium		0.0010		**< 0.0010**	0.0007	0	0	-100	100	03/09/2024
Beryllium		0.0010		**< 0.0010**	0.0002	0	0	-100	100	03/09/2024
Boron		0.0250		**< 0.0250**	0.0093	0	0	-100	100	03/09/2024
Cadmium		0.0010		**< 0.0010**	0.0001	0	0	-100	100	03/09/2024
Chromium		0.0015		**< 0.0015**	0.0007	0	0	-100	100	03/09/2024
Chromium		0.0015		**< 0.0015**	0.0007	0	0	-100	100	03/11/2024
Cobalt		0.0010		**< 0.0010**	0.0001	0	0	-100	100	03/09/2024
Copper		0.0010		**< 0.0010**	0.0003	0	0	-100	100	03/09/2024
Iron		0.0250		**< 0.0250**	0.0115	0	0	-100	100	03/09/2024
Lead		0.0010		**< 0.0010**	0.0006	0	0	-100	100	03/09/2024
Lithium	*	0.0030		**< 0.0030**	0.0015	0	0	-100	100	03/09/2024
Manganese		0.0020		**< 0.0020**	0.0008	0	0	-100	100	03/09/2024
Molybdenum		0.0015		**< 0.0015**	0.0006	0	0	-100	100	03/11/2024
Nickel		0.0010		**< 0.0010**	0.0004	0	0	-100	100	03/09/2024
Selenium		0.0010		**< 0.0010**	0.0006	0	0	-100	100	03/09/2024
Silver		0.0010		**< 0.0010**	0.0001	0	0	-100	100	03/09/2024
Thallium		0.0020		**< 0.0020**	0.0010	0	0	-100	100	03/09/2024
Vanadium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	03/11/2024
Zinc		0.0150		**< 0.0150**	0.0059	0	0	-100	100	03/09/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24021452

Client Project: KIN-24Q1 **Report Date:** 20-Mar-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 219558 **SampType:** LCS Units **mg/L**

SampID: LCS-219558

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		**0.514**	0.5000	0	102.7	80	120	03/11/2024
Arsenic		0.0010		**0.511**	0.5000	0	102.1	80	120	03/09/2024
Barium		0.0010		**2.23**	2.000	0	111.7	80	120	03/11/2024
Beryllium		0.0010		**0.0491**	0.0500	0	98.2	80	120	03/09/2024
Boron		0.0250		**0.488**	0.5000	0	97.6	80	120	03/09/2024
Cadmium		0.0010		**0.0538**	0.0500	0	107.6	80	120	03/09/2024
Chromium		0.0015		**0.200**	0.2000	0	99.8	80	120	03/11/2024
Cobalt		0.0010		**0.475**	0.5000	0	95.1	80	120	03/09/2024
Copper		0.0010		**0.253**	0.2500	0	101.3	80	120	03/09/2024
Iron		0.0250		**1.97**	2.000	0	98.5	80	120	03/11/2024
Lead		0.0010		**0.468**	0.5000	0	93.6	80	120	03/09/2024
Lithium	*	0.0030		**0.486**	0.5000	0	97.1	80	120	03/09/2024
Manganese		0.0020		**0.486**	0.5000	0	97.3	80	120	03/09/2024
Molybdenum		0.0015		**0.454**	0.5000	0	90.8	80	120	03/11/2024
Nickel		0.0010		**0.487**	0.5000	0	97.4	80	120	03/09/2024
Selenium		0.0010		**0.492**	0.5000	0	98.3	80	120	03/09/2024
Silver		0.0010		**0.0526**	0.0500	0	105.1	80	120	03/09/2024
Thallium		0.0020		**0.203**	0.2500	0	81.1	80	120	03/09/2024
Vanadium		0.0050		**0.501**	0.5000	0	100.2	80	120	03/11/2024
Zinc		0.0150		**0.526**	0.5000	0	105.2	80	120	03/09/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24021452

Client Project: KIN-24Q1 **Report Date:** 20-Mar-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 219558 **SampType:** MS Units **mg/L**

SampID: 24021452-033BMS

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	75	125	03/11/2024
Arsenic		0.0010		**0.510**	0.5000	0.0005554	101.9	75	125	03/11/2024
Barium		0.0010		**2.23**	2.000	0.02078	110.7	75	125	03/11/2024
Beryllium		0.0010		**0.0492**	0.0500	0	98.5	75	125	03/11/2024
Boron		0.0250		**1.40**	0.5000	0.9584	88.4	75	125	03/11/2024
Cadmium		0.0010		**0.0482**	0.0500	0	96.5	75	125	03/11/2024
Chromium		0.0015		**0.193**	0.2000	0.001001	95.9	75	125	03/11/2024
Cobalt		0.0010		**0.472**	0.5000	0.001230	94.1	75	125	03/11/2024
Copper		0.0010		**0.232**	0.2500	0.0009294	92.6	75	125	03/11/2024
Iron		0.0250		**2.03**	2.000	0.1366	94.7	75	125	03/11/2024
Lead		0.0010		**0.500**	0.5000	0	100.0	75	125	03/11/2024
Lithium	*	0.0030		**0.575**	0.5000	0.001876	114.5	75	125	03/09/2024
Manganese		0.0080	S	**5.63**	0.5000	5.503	24.8	75	125	03/12/2024
Molybdenum		0.0015		**0.463**	0.5000	0.0009224	92.4	75	125	03/11/2024
Nickel		0.0010		**0.466**	0.5000	0.002307	92.8	75	125	03/11/2024
Selenium		0.0010		**0.577**	0.5000	0	115.3	75	125	03/09/2024
Silver		0.0010		**0.0483**	0.0500	0	96.7	75	125	03/11/2024
Thallium		0.0020		**0.245**	0.2500	0	98.1	75	125	03/09/2024
Vanadium		0.0050		**0.492**	0.5000	0	98.3	75	125	03/11/2024
Zinc		0.0150		**0.545**	0.5000	0	109.1	75	125	03/12/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24021452

Client Project: KIN-24Q1 **Report Date:** 20-Mar-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 219558 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 24021452-033BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		0.0010		**0.505**	0.5000	0	101.0	0.5077	0.52	03/11/2024
Arsenic		0.0010		**0.530**	0.5000	0.0005554	105.9	0.5101	3.82	03/11/2024
Barium		0.0010		**2.20**	2.000	0.02078	109.2	2.234	1.34	03/11/2024
Beryllium		0.0010		**0.0502**	0.0500	0	100.4	0.04925	1.96	03/11/2024
Boron		0.0250		**1.44**	0.5000	0.9584	95.7	1.400	2.56	03/11/2024
Cadmium		0.0010		**0.0474**	0.0500	0	94.7	0.04823	1.79	03/11/2024
Chromium		0.0015		**0.195**	0.2000	0.001001	96.8	0.1928	0.94	03/11/2024
Cobalt		0.0010		**0.478**	0.5000	0.001230	95.4	0.4716	1.42	03/11/2024
Copper		0.0010		**0.243**	0.2500	0.0009294	96.9	0.2323	4.58	03/11/2024
Iron		0.0250		**2.08**	2.000	0.1366	97.0	2.031	2.19	03/11/2024
Lead		0.0010		**0.504**	0.5000	0	100.9	0.4999	0.87	03/11/2024
Lithium	*	0.0030		**0.471**	0.5000	0.001876	93.9	0.5746	19.72	03/09/2024
Manganese		0.0080	S	**5.54**	0.5000	5.503	6.8	5.627	1.61	03/12/2024
Molybdenum		0.0015		**0.474**	0.5000	0.0009224	94.6	0.4630	2.34	03/11/2024
Nickel		0.0010		**0.480**	0.5000	0.002307	95.5	0.4662	2.87	03/11/2024
Selenium		0.0010		**0.476**	0.5000	0	95.3	0.5766	19.02	03/09/2024
Silver		0.0010		**0.0486**	0.0500	0	97.3	0.04835	0.58	03/11/2024
Thallium		0.0020		**0.205**	0.2500	0	82.0	0.2453	17.85	03/09/2024
Vanadium		0.0050		**0.497**	0.5000	0	99.4	0.4916	1.06	03/11/2024
Zinc		0.0150		**0.538**	0.5000	0	107.6	0.5455	1.34	03/12/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24021452

Client Project: KIN-24Q1 **Report Date:** 20-Mar-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 219587 **SampType:** MBLK Units **mg/L**

SampID: MBLK-219587

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	03/09/2024
Arsenic		0.0010		**< 0.0010**	0.0004	0	0	-100	100	03/07/2024
Barium		0.0010		**< 0.0010**	0.0007	0	0	-100	100	03/07/2024
Beryllium		0.0010		**< 0.0010**	0.0002	0	0	-100	100	03/07/2024
Boron	*	0.0250		**< 0.0250**	0.0093	0	0	-100	100	03/07/2024
Cadmium		0.0010		**< 0.0010**	0.0001	0	0	-100	100	03/07/2024
Chromium		0.0015		**< 0.0015**	0.0007	0	0	-100	100	03/07/2024
Cobalt		0.0010		**< 0.0010**	0.0001	0	0	-100	100	03/07/2024
Copper		0.0010		**< 0.0010**	0.0003	0	0	-100	100	03/07/2024
Iron	*	0.0250		**< 0.0250**	0.0115	0	0	-100	100	03/07/2024
Lead		0.0010		**< 0.0010**	0.0006	0	0	-100	100	03/07/2024
Lithium	*	0.0030		**< 0.0030**	0.0015	0	0	-100	100	03/07/2024
Manganese		0.0020		**< 0.0020**	0.0008	0	0	-100	100	03/07/2024
Molybdenum		0.0015		**< 0.0015**	0.0006	0	0	-100	100	03/07/2024
Nickel		0.0010		**< 0.0010**	0.0004	0	0	-100	100	03/07/2024
Selenium		0.0010		**< 0.0010**	0.0006	0	0	-100	100	03/07/2024
Silver		0.0010		**< 0.0010**	0.0001	0	0	-100	100	03/07/2024
Thallium		0.0020		**< 0.0020**	0.0010	0	0	-100	100	03/07/2024
Vanadium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	03/07/2024
Zinc		0.0150		**< 0.0150**	0.0059	0	0	-100	100	03/07/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24021452

Client Project: KIN-24Q1 **Report Date:** 20-Mar-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 219587 **SampType:** LCS Units **mg/L**

SampID: LCS-219587

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		**0.524**	0.5000	0	104.9	80	120	03/11/2024
Arsenic		0.0010		**0.554**	0.5000	0	110.8	85	115	03/07/2024
Barium		0.0010		**2.32**	2.000	0	115.9	80	120	03/11/2024
Beryllium		0.0010		**0.0548**	0.0500	0	109.6	85	115	03/07/2024
Boron	*	0.0250		**0.538**	0.5000	0	107.6	85	115	03/07/2024
Cadmium		0.0010	S	**0.0582**	0.0500	0	116.4	85	115	03/07/2024
Chromium		0.0015		**0.210**	0.2000	0	104.8	85	115	03/07/2024
Cobalt		0.0010		**0.516**	0.5000	0	103.1	85	115	03/07/2024
Copper		0.0010		**0.272**	0.2500	0	108.6	85	115	03/07/2024
Iron	*	0.0250		**2.10**	2.000	0	105.1	85	115	03/07/2024
Lead		0.0010	E	**0.513**	0.5000	0	102.6	85	115	03/07/2024
Lithium	*	0.0030		**0.538**	0.5000	0	107.5	85	115	03/07/2024
Manganese		0.0020		**0.524**	0.5000	0	104.8	85	115	03/07/2024
Molybdenum		0.0015		**0.481**	0.5000	0	96.3	85	115	03/07/2024
Nickel		0.0010		**0.530**	0.5000	0	106.0	85	115	03/07/2024
Selenium		0.0010		**0.526**	0.5000	0	105.2	85	115	03/07/2024
Silver		0.0010		**0.0513**	0.0500	0	102.6	85	115	03/07/2024
Thallium		0.0020		**0.252**	0.2500	0	100.6	85	115	03/07/2024
Vanadium		0.0050		**0.518**	0.5000	0	103.5	85	115	03/07/2024
Zinc		0.0150	S	**0.575**	0.5000	0	115.1	85	115	03/07/2024

Batch 219587 **SampType:** MS Units **mg/L**

SampID: 24021452-025BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		**0.531**	0.5000	0.002681	105.7	75	125	03/11/2024
Arsenic		0.0010		**0.542**	0.5000	0.001773	108.1	75	125	03/07/2024
Barium		0.0010		**2.69**	2.000	0.2474	121.9	75	125	03/11/2024
Beryllium		0.0010		**0.0517**	0.0500	0	103.4	75	125	03/07/2024
Cadmium		0.0010		**0.0568**	0.0500	0	113.6	75	125	03/07/2024
Chromium		0.0015		**0.195**	0.2000	0.001486	96.7	75	125	03/07/2024
Cobalt		0.0010		**0.483**	0.5000	0.0002321	96.6	75	125	03/07/2024
Lead		0.0010		**0.498**	0.5000	0.0006276	99.5	75	125	03/07/2024
Lithium	*	0.0030		**0.502**	0.5000	0.009853	98.4	75	125	03/07/2024
Molybdenum		0.0015		**0.469**	0.5000	0.001738	93.5	75	125	03/07/2024
Selenium		0.0010		**0.501**	0.5000	0	100.1	75	125	03/07/2024
Thallium		0.0020		**0.251**	0.2500	0	100.4	75	125	03/07/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24021452

Client Project: KIN-24Q1 **Report Date:** 20-Mar-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 219587 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 24021452-025BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		0.0010		**0.526**	0.5000	0.002681	104.6	0.5312	1.01	03/11/2024
Arsenic		0.0010		**0.534**	0.5000	0.001773	106.4	0.5421	1.56	03/07/2024
Barium		0.0010		**2.67**	2.000	0.2474	121.2	2.685	0.50	03/11/2024
Beryllium		0.0010		**0.0525**	0.0500	0	105.0	0.05172	1.48	03/07/2024
Cadmium		0.0010		**0.0581**	0.0500	0	116.2	0.05680	2.31	03/07/2024
Chromium		0.0015		**0.198**	0.2000	0.001486	98.0	0.1948	1.37	03/07/2024
Cobalt		0.0010		**0.494**	0.5000	0.0002321	98.7	0.4833	2.09	03/07/2024
Lead		0.0010		**0.490**	0.5000	0.0006276	97.9	0.4984	1.69	03/07/2024
Lithium	*	0.0030		**0.513**	0.5000	0.009853	100.6	0.5017	2.21	03/07/2024
Molybdenum		0.0015		**0.473**	0.5000	0.001738	94.2	0.4693	0.76	03/07/2024
Selenium		0.0010		**0.493**	0.5000	0	98.6	0.5005	1.52	03/07/2024
Thallium		0.0020		**0.246**	0.2500	0	98.3	0.2510	2.14	03/07/2024

Batch 219755 **SampType:** MBLK Units **mg/L**

SampID: MBLK-219755

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	03/13/2024
Arsenic		0.0010		**< 0.0010**	0.0004	0	0	-100	100	03/12/2024
Boron	*	0.0250		**< 0.0250**	0.0093	0	0	-100	100	03/13/2024
Cadmium		0.0010		**< 0.0010**	0.0001	0	0	-100	100	03/12/2024
Copper		0.0010		**< 0.0010**	0.0003	0	0	-100	100	03/12/2024
Lead		0.0010		**< 0.0010**	0.0006	0	0	-100	100	03/12/2024
Selenium		0.0010		**< 0.0010**	0.0006	0	0	-100	100	03/12/2024
Thallium		0.0020		**< 0.0020**	0.0010	0	0	-100	100	03/12/2024

Batch 219755 **SampType:** LCS Units **mg/L**

SampID: LCS-219755

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		**0.533**	0.5000	0	106.5	85	115	03/13/2024
Arsenic		0.0010		**0.521**	0.5000	0	104.2	85	115	03/12/2024
Boron	*	0.0250		**0.484**	0.5000	0	96.9	85	115	03/13/2024
Cadmium		0.0010		**0.0489**	0.0500	0	97.7	85	115	03/13/2024
Copper		0.0010		**0.264**	0.2500	0	105.5	85	115	03/12/2024
Lead		0.0010	E	**0.527**	0.5000	0	105.4	85	115	03/13/2024
Selenium		0.0010		**0.499**	0.5000	0	99.7	85	115	03/12/2024
Thallium		0.0020		**0.265**	0.2500	0	105.8	85	115	03/12/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24021452

Client Project: KIN-24Q1 **Report Date:** 20-Mar-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 219755 **SampType:** MS Units **mg/L**
SampID: 24021452-025BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		0.0250		**2.07**	0.5000	1.482	116.9	75	125	03/13/2024

Batch 219755 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24021452-025BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Boron		0.0250		**2.02**	0.5000	1.482	107.7	2.067	2.26	03/13/2024

Batch 219755 **SampType:** MS Units **mg/L**
SampID: 24030297-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Selenium		0.0010		**0.827**	1.000	0.01935	80.7	70	130	03/13/2024

Batch 219755 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24030297-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Selenium		0.0010		**0.821**	1.000	0.01935	80.1	0.8266	0.71	03/13/2024

Batch 219755 **SampType:** MS Units **mg/L**
SampID: 24030674-003EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		**0.525**	0.5000	0.004209	104.1	70	130	03/13/2024
Arsenic		0.0010		**0.545**	0.5000	0.01296	106.3	70	130	03/12/2024
Cadmium		0.0010		**0.0513**	0.0500	0.003552	95.4	70	130	03/13/2024
Lead		0.0010	E	**0.662**	0.5000	0.1816	96.2	70	130	03/13/2024
Selenium		0.0010		**0.463**	0.5000	0.001096	92.4	70	130	03/13/2024
Thallium		0.0020		**0.219**	0.2500	0	87.8	70	130	03/12/2024

Batch 219755 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24030674-003EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		0.0010		**0.508**	0.5000	0.004209	100.7	0.5245	3.22	03/13/2024
Arsenic		0.0010		**0.525**	0.5000	0.01296	102.4	0.5446	3.64	03/12/2024
Cadmium		0.0010		**0.0501**	0.0500	0.003552	93.2	0.05126	2.23	03/13/2024
Lead		0.0010	E	**0.659**	0.5000	0.1816	95.5	0.6624	0.52	03/13/2024
Selenium		0.0010		**0.443**	0.5000	0.001096	88.4	0.4629	4.42	03/13/2024
Thallium		0.0020		**0.234**	0.2500	0	93.5	0.2194	6.30	03/12/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24021452

Client Project: KIN-24Q1 **Report Date:** 20-Mar-24

SW-846 7470A (TOTAL)

Batch 219518 **SampType:** MBLK Units **mg/L**
SampID: MBLK-219518

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 219518 **SampType:** LCS Units **mg/L**
SampID: LCS-219518

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00429**	0.0050	0	85.8	85	115	03/06/2024

Batch 219518 **SampType:** MS Units **mg/L**
SampID: 24021452-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00470**	0.0050	0	94.1	75	125	03/06/2024

Batch 219518 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24021452-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00479**	0.0050	0	95.9	0.004705	1.89	03/06/2024

Batch 219518 **SampType:** MS Units **mg/L**
SampID: 24021452-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00481**	0.0050	0	96.2	75	125	03/06/2024

Batch 219518 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24021452-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00463**	0.0050	0	92.7	0.004809	3.69	03/06/2024

Batch 219560 **SampType:** MBLK Units **mg/L**
SampID: MBLK-219560

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 219560 **SampType:** LCS Units **mg/L**
SampID: LCS-219560

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00474**	0.0050	0	94.9	85	115	03/06/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24021452

Client Project: KIN-24Q1 **Report Date:** 20-Mar-24

SW-846 7470A (TOTAL)

Batch 219560 **SampType:** MS Units **mg/L**
SampID: 24021452-007BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00454**	0.0050	0	90.7	75	125	03/06/2024

Batch 219560 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24021452-007BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00416**	0.0050	0	83.3	0.004536	8.54	03/06/2024

Batch 219560 **SampType:** MS Units **mg/L**
SampID: 24021452-027BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00542**	0.0050	0	108.5	75	125	03/07/2024

Batch 219560 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24021452-027BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00555**	0.0050	0	110.9	0.005425	2.23	03/07/2024

Batch 219610 **SampType:** MBLK Units **mg/L**
SampID: MBLK-219610

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	03/07/2024

Batch 219610 **SampType:** LCS Units **mg/L**
SampID: LCS-219610

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00508**	0.0050	0	101.5	85	115	03/07/2024

Batch 219610 **SampType:** MS Units **mg/L**
SampID: 24021452-021BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00418**	0.0050	0	83.6	75	125	03/07/2024

Batch 219610 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24021452-021BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00387**	0.0050	0	77.4	0.004182	7.68	03/07/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24021452

Client Project: KIN-24Q1 **Report Date:** 20-Mar-24

SW-846 7470A (TOTAL)

Batch 219610 **SampType:** MS Units **mg/L**

SampID: 24021452-028BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00492**	0.0050	0	98.3	75	125	03/07/2024

Batch 219610 **SampType:** MSD Units **mg/L** RPD Limit **15**

SampID: 24021452-028BMSD

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	0.004916	1.21	03/07/2024

Teklab, Inc. Environmental Laboratory

Receiving Check List

http://www.teklabinc.com/

Client: Ramboll
Work Order: 24021452
Client Project: KIN-24Q1
Report Date: 20-Mar-24

Carrier: Justin Colp
Received By: NR

Completed by: Nick Reed
On: 04-Mar-24

Reviewed by: Ellie Hopkins
On: 06-Mar-24

Pages to follow: Chain of custody 7 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.

Samples were received on 3/4/24 at 1645 on ice [12.1C - LTG#7]. Additional Nitric Acid (96331) preservative was needed in MW-04, MW-05, MW-07S, MW-20S, and MW-31S upon arrival at the laboratory. Additional Soduim Hydroxide (95443) was needed in MW-05 upon arrival at the laboratory. pH strip 90719/89660. - nickreed - 3/4/2024 5:31:10 PM

Samples were received on 3/5/24 at 1535 on ice [8.5C - LTG#7]. - AMD 3/5/24

Additional Nitric Acid (96331) was needed in MW-09, MW-08, MW11, MW-12, MW-20, MW-23, MW-27, MW-08DUP, and XPW02 upon arrival at the laboratory. Additional Sodium Hydroxide (95443) was needed in MW-08, MW-12, and MW-08DUP upon arrival at the laboratory. - ES/pschultz - 3/5/2024 4:37:48 PM

Samples were received on 3/6/24 at 1505 on ice [8.5C - LTG5]. Additional Nitric Acid (96331) was needed in MW-31, MW-32 and PZ4!Cupon arrival at the laboratory. pH strip #90719. - amberdilallo - 3/6/2024 3:28:57 PM

CHAIN-OF-CUSTODY / Analytical Request Document

24021452

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Page: 1 of 3

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Kincaid	Report To:	Brian Voelker, Sam Davies	Attention:	Brian Voelker, Tim Arnold
Address:	199 IL 104	Copy To:	Tim Arnold	Company Name:	Vistra Corp
	Kincaid, IL 62540			Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com; Tim.Arnold@vistracorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	Liz Hurley
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: 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	KIN-257-141	KIN-845-141	KIN_620_141	KIN-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-01	WT	G	3-4-24	1426		3	1		1		1					X	X	X			24021452-001
2	MW-02	WT	G	3-4-24	1230		3	1		1		1					X	X	X			24021452-002
3	MW-03	WT	G	3-4-24	1300		3	1		1		1					X	X	X			24021452-003
4	MW-04 *	WT	G	3-4-24	1323		3	1		1		1					X	X	X			24021452-004
5	MW-05 *	WT	G	3-4-24	1446		3	1		1		1					X	X	X			24021452-005
6	MW-06	WT	G				3	1		1		1					X	X	X			24021452-006
7	MW-07	WT	G				3	1		1		1					X	X	X			24021452-007
8	MW-07S *	WT	G	3-4-24	1248		2	1		1							X	X				24021452-008
9	MW-08	WT	G				3	1		1		1					X	X	X			24021452-009
10	MW-08S	WT	G	3-4-24	DRY		2	1		1							X	X				24021452-010
11	MW-09	WT	G				3	1		1		1							X			24021452-011
12	MW-10	WT	G				3	1		1		1							X			24021452-012
13	MW-11	WT	G				3	1		1		1					X	X	X			24021452-013
14	MW-12	WT	G				3	1		1		1					X	X	X			24021452-014
15	MW-20	WT	G				2	1		1							X	X				24021452-015
16	MW-20S *	WT	G	3-4-24	1109		2	1		1							X	X				24021452-016

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
KIN-24Q1 Rev 0	J. Volp	3-4	1645	Nicki Keel	3/4/24	1645	12.1 LTG	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 Volp

SIGNATURE of SAMPLER: Justin Volp DATE Signed (MM/DD/YY): 3-4-24

Confidential

907199/8660

Added HNO_3 & NaOH to samples MK 3/4

CHAIN-OF-CUSTODY / Analytical Request Document

24021452

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Page: 2 of 3

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Kincaid	Report To:	Brian Voelker, Sam Davies	Attention:	Brian Voelker, Tim Arnold
Address:	199 IL 104	Copy To:	Tim Arnold	Company Name:	Vistra Corp
	Kincaid, IL 62540			Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com Tim.Arnold@vistracorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	Liz Hurley
Requested Due Date/TAT:	10 day	Project Number:		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: KIN-257-141	KIN-845-141	KIN_620_141	KIN_SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-23	WT	G				2	1		1							X	X				24021452-017
2	MW-27	WT	G				2	1		1							X	X				24021452-018
3	MW-28	WT	G				2	1		1							X	X				24021452-019
4	MW-30	WT	G				2	1		1							X	X				24021452-020
5	MW-31	WT	G				2	1		1							X	X				24021452-021
6	MW-31S	WT	G	3-4-24	1155		2	1		1							X	X				24021452-022
7	MW-32	WT	G				2	1		1							X	X				24021452-023
8	PZ4!A	WT	G				2	1		1										X		24021452-024
9	PZ4!C	WT	G				2	1		1							X	X				24021452-025
10	XPW01_pore	WT	G				2	1		1							X	X				24021452-026
11	XPW02_pore	WT	G				2	1		1							X	X				24021452-027
12	XPW03_pore	WT	G				2	1		1							X	X				24021452-028
13	XPW04_pore	WT	G				2	1		1							X	X				24021452-029
14	XSG-01	WT	G				0										X	X	X			24021452-030
15	YSG-02	WT	G				0										X	X	X			24021452-031
16	Field Blank	WT	G				3	1		1		1					X	X	X	X		24021452-032

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
KIN-24Q1 Rev 0	J. Colp	3-4	1645	Mitch Reed	3/4/24	1645	

SAMPLER NAME AND SIGNATURE			Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Justin Colp			Y	N	
SIGNATURE of SAMPLER:	Justin Colp	DATE Signed (MM/DD/YY): 3-4-24				

24021452

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 1 of 3

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Kincaid	Report To:	Brian Voelker, Sam Davies	Attention:	Brian Voelker, Tim Arnold
Address:	199 IL 104	Copy To:	Tim Arnold	Company Name:	Vistra Corp
	Kincaid, IL 62540			Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com Tim.Arnold@vistracorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	Liz Hurley
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	KIN-257-141	KIN-845-141	KIN_620_141	KIN-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-01	WT	G				3	1		1		1					X	X	X			24021452-001
2	MW-02	WT	G				3	1		1		1					X	X	X			24021452-002
3	MW-03	WT	G				3	1		1		1					X	X	X			24021452-003
4	MW-04	WT	G				3	1		1		1					X	X	X			24021452-004
5	MW-05	WT	G				3	1		1		1					X	X	X			24021452-005
6	MW-06	WT	G	3-5-24	1124		3	1		1		1					X	X	X			24021452-006
7	MW-07	WT	G	3-5-24	1326		3	1		1		1					X	X	X			24021452-007
8	MW-07S	WT	G				2	1		1							X	X				24021452-008
9	MW-08	WT	G	3-5-24	1348		3	1		1		1					X	X	X			24021452-009
10	MW-08S	WT	G				2	1		1							X	X				24021452-010
11	MW-09	WT	G	3-5-24	1023		3	1		1		1							X			24021452-011
12	MW-10	WT	G	3-5-24	1106		3	1		1		1							X			24021452-012
13	MW-11	WT	G	3-5-24	0932		3	1		1		1					X	X	X			24021452-013
14	MW-12	WT	G	3-5-24	1257		3	1		1		1					X	X	X			24021452-014
15	MW-20	WT	G	3-5-24	1048		2	1		1							X	X				24021452-015
16	MW-20S	WT	G				2	1		1							X	X				24021452-016

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
KIN-24Q1 Rev 0	J. Colp	3-5	1535	Amber Dillard	3/5/24	1535	8.5	Y	N	Y
							LTG7			

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 3-5-24

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

ph ✓ 90719 & 89660
added HNO_3 (96331) and NaOH (95443) to samples
ES 3/5/24 ice 8.5 LTG 7

HNO_3 (96331) added to mw-08, -09, -11, -12, -20, -28, -27, XPwell
NaOH (95511 confidential) added to mw-08, -12, -08Dup

CHAIN-OF-CUSTODY / Analytical Request Document

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Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Kincaid	Report To:	Brian Voelker, Sam Davies	Attention:	Brian Voelker, Tim Arnold
Address:	199 IL 104	Copy To:	Tim Arnold	Company Name:	Vistra Corp
	Kincaid, IL 62540			Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com Tim.Arnold@vistracorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	Liz Hurley
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	KIN-257-141	KIN_845-141	KIN_620_141	KIN-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-23	WT	G	3-5-24	1008		2	1		1							X	X				24021452-017
2	MW-27	WT	G	3-5-24	1135		2	1		1							X	X				24021452-018
3	MW-28	WT	G				2	1		1							X	X				24021452-019
4	MW-30	WT	G				2	1		1							X	X				24021452-020
5	MW-31	WT	G				2	1		1							X	X				24021452-021
6	MW-31S	WT	G				2	1		1							X	X				24021452-022
7	MW-32	WT	G				2	1		1							X	X				24021452-023
8	PZ4!A	WT	G				2	1		1										X		24021452-024
9	PZ4!C	WT	G				2	1		1							X	X				24021452-025
10	XPW01_pore	WT	G	3-5-24	1217		2	1		1							X	X				24021452-026
11	XPW02_pore	WT	G	3-5-24	1258		2	1		1							X	X				24021452-027
12	XPW03_pore	WT	G				2	1		1							X	X				24021452-028
13	XPW04_pore	WT	G				2	1		1							X	X				24021452-029
14	XSG-01	WT	G				0										X	X	X			24021452-030
15	YSG-02	WT	G				0										X	X	X			24021452-031
16	Field Blank	WT	G				3	1		1		1					X	X	X	X		24021452-032

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
KIN-24Q1 Rev 0	J. Colp	3-5	1535	Amber Duall	3/5/24	1535				

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 3-5-24

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

24021452

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-Kincaid	Report To:	Brian Voelker, Sam Davies	Attention:	Brian Voelker, Tim Arnold
Address:	199 IL 104	Copy To:	Tim Arnold	Company Name:	Vistra Corp
	Kincaid, IL 62540			Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone: (217) 753-8911	Fax:	Project Name:		Project Manager:	Liz Hurley
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)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED 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	KIN-257-141	KIN-845-141	KIN_620_141	KIN-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-08 Duplicate	WT	G	3-5-24	1348		3	1		1		1					X	X	X			24021452-033
2	Equipment Blank 1	WT	G				3	1		1		1					X	X	X	X		24021452-034
3	Equipment Blank 2	WT	G				3	1		1		1					X	X	X	X		24021452-035
4	Equipment Blank 3	WT	G				3	1		1		1					X	X	X	X		24021452-036
5																						
6																						
7																						
8																						
9																						
10																						
11																						
12																						
13																						
14																						
15																						
16																						

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
KIN-24Q1 Rev 0	J. Colp	3-5	1535	[signature]	3/5/24	1535	

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Justin Colp				
SIGNATURE of SAMPLER:	[signature]	DATE Signed (MM/DD/YY):	3-5-24	Temp in °C	Received on Ice (Y/N): Y / N
				Custody Sealed Cooler (Y/N)	
				Samples Intact (Y/N)	

24021452

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-Kincaid	Report To:	Brian Voelker, Sam Davies	Attention:	Brian Voelker, Tim Arnold
Address:	199 IL 104	Copy To:	Tim Arnold	Company Name:	Vistra Corp
	Kincaid, IL 62540			Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com Tim.Arnold@vistracorp.com	Purchase Order No.:		Quote Reference	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	Liz Hurley
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	KIN-257-141	KIN_845-141	KIN_620_141	KIN-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-23	WT	G				2	1		1							X	X				24021452-017
2	MW-27	WT	G				2	1		1							X	X				24021452-018
3	MW-28	WT	G	3-6-24	1123		2	1		1							X	X				24021452-019
4	MW-30	WT	G	3-6-24	1053		2	1		1							X	X				24021452-020
5	MW-31	WT	G	3-6-24	1125		2	1		1							X	X				24021452-021
6	MW-31S	WT	G				2	1		1							X	X				24021452-022
7	MW-32	WT	G	3-6-24	1153		2	1		1							X	X				24021452-023
8	PZ4!A	WT	G	3-6-24	0943		2	1		1										X		24021452-024
9	PZ4!C	WT	G	3-6-24	1004		2	1		1							X	X				24021452-025
10	XPW01_pore	WT	G				2	1		1							X	X				24021452-026
11	XPW02_pore	WT	G				2	1		1							X	X				24021452-027
12	XPW03_pore	WT	G	3-6-24	1019		2	1		1							X	X				24021452-028
13	XPW04_pore	WT	G	3-6-24	1048		2	1		1							X	X				24021452-029
14	XSG-01	WT	G				0										X	X	X			24021452-030
15	YSG-02	WT	G				0										X	X	X			24021452-031
16	Field Blank	WT	G	3-6-24	1211		3	1		1		1					X	X	X	X		24021452-032

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
KIN-24Q1 Rev 0	J. Colp	3-6	HET	1505 (Signature)	3/6/24	1505	8.5	Y	N	Y
							UK5			

SAMPLER NAME AND SIGNATURE			
PRINT Name of SAMPLER:	Justin Colp	Temp in °C	Received on Ice (Y/N)
SIGNATURE of SAMPLER:	(Signature)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
DATE Signed (MM/DD/YY):	3-6-24		

Added HNO3(9a331) to MW31, MW32 & PZ4!C.
pH ✓ 90719. JCM 3/6/24

Confidential

24021452

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-Kincaid
Address:	199 IL 104
	Kincaid, IL 62540
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, Sam Davies
Copy To:	Tim Arnold
Purchase Order No.:	
Project Name:	
Project Number:	

Section C Invoice Information:

Attention:	Brian Voelker, Tim Arnold
Company Name:	Vistra Corp
Address:	see Section A
Quote Reference:	
Project Manager:	Liz Hurley
Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

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

Valid Matrix Codes

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

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	KIN-257-141	KIN-845-141	KIN_620_141	KIN-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-08 Duplicate	WT	G				3	1		1		1					X	X	X			24021452-033
2	Equipment Blank 1	WT	G	3-6-24	1214		3	1		1		1					X	X	X	X		24021452-034
3	Equipment Blank 2	WT	G				3	1		1		1					X	X	X	X		24021452-035
4	Equipment Blank 3	WT	G				3	1		1		1					X	X	X	X		24021452-036
5																						
6																						
7																						
8																						
9																						
10																						
11																						
12																						
13																						
14																						
15																						
16																						

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
KIN-24Q1 Rev 0	J. Colp	3-6	1505	Union Ricardo	3/6/24	1505

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): 3-6-24

Site Samping Event: Kincaid 1Q24
LIMS Workorder: 24021452
Technician(s): DC, JC, TC, BG

Groundwater Sampling Summary
Kincaid- 1Q 2024

WO Sample	Well ID	Program/ Sample Type	Weather				Well Condition				
			Temp (°F)	Precipitation	Wind Direction	Sky	Well Pad	Casing	Protective Cover	Reference Mark/ ID	Well Locked
001	MW-01	Groundwater Sample	68.0	None	N	Clear	Good	Good	Good	Yes	Yes
002	MW-02	Groundwater Sample	69.0	None	N	Partly cloudy	Good	Good	Good	Yes	Yes
003	MW-03	Groundwater Sample	73.0	None	N	Partly cloudy	Good	Good	Good	Yes	Yes
004	MW-04	Groundwater Sample	75.0	None	N	Partly cloudy	Good	Good	Good	Yes	Yes
005	MW-05	Groundwater Sample	75.0	None	N	Cloudy	Good	Good	Good	Yes	Yes
006	MW-06	Groundwater Sample	55.0	None	S	Cloudy	Good	Good	Good	Yes	Yes
007	MW-07	Groundwater Sample	56.0	None	S	Cloudy	Good	Good	Good	Yes	Yes
008	MW-07S	Groundwater Sample	67.0	None	N	Clear	Good	Good	Good	Yes	Yes
009	MW-08	Groundwater Sample	56.0	None	S	Cloudy	Good	Good	Good	Yes	Yes
010	MW-08S	Groundwater Sample	68.0	None	N	Clear	Good	Good	Good	Yes	Yes
011	MW-09	Groundwater Sample	53.0	None	S	Cloudy	Good	Good	Good	Yes	Yes
012	MW-10	Groundwater Sample	53.0	None	S	Cloudy	Good	Good	Good	Yes	Yes
013	MW-11	Groundwater Sample	51.0	None	S	Cloudy	Good	Good	Good	Yes	Yes
014	MW-12	Groundwater Sample	55.0	None	S	Cloudy	Good	Good	Good	Yes	Yes
015	MW-20	Groundwater Sample	53.0	None	S	Cloudy	Good	Good	Good	Yes	Yes
016	MW-20S	Groundwater Sample	66.0	None	N	Clear	Good	Good	Good	Yes	Yes
017	MW-23	Groundwater Sample	52.0	None	S	Cloudy	Good	Good	Good	Yes	Yes
018	MW-27	Groundwater Sample	68.0	None	N	Clear	Good	Good	Good	Yes	Yes
019	MW-28	Groundwater Sample	52.0	None	S	Cloudy	Good	Good	Good	Yes	Yes
020	MW-30	Groundwater Sample	50.0	None	N	Cloudy	Good	Good	Good	Yes	Yes
021	MW-31	Groundwater Sample	52.0	None	N	Cloudy	Good	Good	Good	Yes	Yes
022	MW-31S	Groundwater Sample	66.0	None	N	Clear	Good	Good	Good	Yes	Yes
023	MW-32	Groundwater Sample	53.0	None	N	Cloudy	Good	Good	Good	Yes	Yes
024	PZ4!A	Groundwater Sample	45.0	None	N	Cloudy	Good	Good	Good	Yes	Yes
025	PZ4!C	Groundwater Sample	46.0	None	N	Cloudy	Good	Good	Good	Yes	Yes
026	XPW01_pore	Groundwater Sample	53.0	None	S	Cloudy	Good	Good	Good	Yes	Yes
027	XPW02_pore	Groundwater Sample	53.0	None	S	Cloudy	Good	Good	Good	Yes	Yes
028	XPW03_pore	Groundwater Sample	47.0	None	S	Cloudy	Good	Good	Good	Yes	Yes
029	XPW04_pore	Groundwater Sample	51.0	None	S	Cloudy	Good	Good	Good	Yes	Yes
030	XSG-01	DTW Only	64.0	None	N	Clear					
031	YSG-02	DTW Only	64.0	None	N	Clear					
032	Field Blank	QA/QC Sample	66.0	None	N	Clear					
033	MW-08 Duplicate	QA/QC Sample	56.0	None	S	Cloudy	Good	Good	Good	Yes	Yes
034	Equipment Blank 1	QA/QC Sample	66.0	None	N	Clear					

Site Samping Event: Kincaid 1Q24
LIMS Workorder: 24021452
Technician(s): DC, JC, TC, BG

Groundwater Sampling Summary
Kincaid- 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-01	DC	3/4/24 14:05	17.00	27.10	DC	3/4/2024	14:06	14:26	Peristaltic Pump	2"	4.0	200.0
002	MW-02	JC	3/4/24 11:20	7.34	22.20	JC	3/4/2024	11:20	12:30	Bladder Pump	2"	8.5	121.4
003	MW-03	JC	3/4/24 12:45	8.63	26.20	JC	3/4/2024	12:45	13:00	Bladder Pump	2"	3.0	200.0
004	MW-04	JC	3/4/24 13:09	7.59	24.40	JC	3/4/2024	13:09	13:23	Bladder Pump	2"	3.0	214.3
005	MW-05	JC	3/4/24 13:34	25.93	41.70	JC	3/4/2024	13:34	14:46	Bladder Pump	2"	8.0	111.1
006	MW-06	JC	3/5/24 11:06	9.52	22.00	JC	3/5/2024	11:06	11:24	Bladder Pump	2"	3.5	194.4
007	MW-07	JC	3/5/24 13:07	4.80	21.80	JC	3/5/2024	13:07	13:26	Bladder Pump	2"	3.0	157.9
008	MW-07S	DC	3/4/24 12:21	10.53	17.05	DC	3/4/2024	12:22	12:48	Peristaltic Pump	2"	5.0	192.3
009	MW-08	JC	3/5/24 13:36	8.07	24.00	JC	3/5/2024	13:37	13:48	Bladder Pump	2"	2.0	181.8
010	MW-08S	DC	3/4/24 13:48	9.60	10.02	DC	3/4/2024	13:50	14:11	Peristaltic Pump	2"	3.0	142.9
011	MW-09	DC	3/5/24 9:49	12.90	21.80	DC	3/5/2024	09:52	10:23	Peristaltic Pump	2"	4.0	129.0
012	MW-10	DC	3/5/24 10:41	11.95	21.90	DC	3/5/2024	10:44	11:06	Peristaltic Pump	2"	4.0	181.8
013	MW-11	JC	3/5/24 9:20	11.46	23.50	JC	3/5/2024	09:20	09:32	Bladder Pump	2"	2.0	166.7
014	MW-12	JC	3/5/24 11:34	6.46	27.60	JC	3/5/2024	11:35	12:57	Bladder Pump	2"	9.5	115.9
015	MW-20	JC	3/5/24 10:25	5.81	26.25	JC	3/5/2024	10:25	10:48	Bladder Pump	2"	4.0	173.9
016	MW-20S	DC	3/4/24 10:26	7.13	12.21	DC	3/4/2024	10:30	11:09	Peristaltic Pump	2"	6.0	153.8
017	MW-23	JC	3/5/24 9:50	16.20	30.27	JC	3/5/2024	09:50	10:08	Bladder Pump	2"	3.0	166.7
018	MW-27	DC	3/4/24 13:01	15.17	17.70	DC	3/4/2024	13:04	13:27	Peristaltic Pump	2"	4.0	173.9
019	MW-28	BG	3/6/24 11:02	6.04	25.07	BG	3/6/2024	11:05	11:23	Bladder Pump	2"	3.5	194.4
020	MW-30	JC	3/6/24 10:37	24.26	42.47	JC	3/5/2024	10:40	10:53	Bladder Pump	2"	2.5	192.3
021	MW-31	JC	3/6/24 11:12	29.65	42.32	JC	3/6/2024	11:13	11:25	Bladder Pump	2"	2.0	166.7
022	MW-31S	DC	3/4/24 11:31	22.21	32.41	DC	3/4/2024	11:32	11:55	Peristaltic Pump	2"	3.0	130.4
023	MW-32	JC	3/6/24 11:41	22.66	39.29	JC	3/6/2024	11:41	11:53	Bladder Pump	2"	1.5	125.0
024	PZ4!A	JC	3/6/24 9:16	7.70	12.94	JC	3/6/2024	09:25	09:43	Submersible Pump	2"	2.0	111.1
025	PZ4!C	JC	3/6/24 9:48	7.12	23.18	JC	3/6/2024	09:52	10:04	Submersible Pump	2"	1.5	125.0
026	XPW01_pore	DC	3/5/24 11:55	24.34	34.36	DC	3/5/2024	11:56	12:17	Bladder Pump	2"	5.0	238.1
027	XPW02_pore	DC	3/5/24 12:31	16.40	25.28	DC	3/5/2024	12:32	12:58	Bladder Pump	2"	8.0	307.7
028	XPW03_pore	BG	3/6/24 9:30	15.01	22.78	BG	3/6/2024	09:30	10:19	Bladder Pump	2"	7.0	142.9
029	XPW04_pore	BG	3/6/24 10:38	2.99	24.96	BG	3/6/2024	10:39	10:48	Bladder Pump	2"	2.5	277.8
030	XSG-01	BG	3/4/24 9:37	4.79	-								
031	YSG-02	BG	3/4/24 10:43	13.03	-								
032	Field Blank				-								
033	MW-08 Duplicate	JC	3/5/24 13:36	8.07	24.00	JC	3/5/2024	13:37	13:48	Bladder Pump	2"	2.0	181.8
034	Equipment Blank 1				-								

Site Samping Event: Kincaid 1Q24
LIMS Workorder: 24021452
Technician(s): DC, JC, TC, BG

Groundwater Sampling Summary
Kincaid- 1Q 2024

WO Sample	Well ID	Sampling Activities and Observations										
		Sampler Initials	Date	Time	Sampling Method	Instrument ID	Field Filtered	Appearance	Odor	Color	Post-Sample DTW (ft)	Drawdown (ft)
001	MW-01	TAC	03/04/24	14:26	Low Flow	218079	No	Clear	None	None	17.43	0.43
002	MW-02	JC	03/04/24	12:30	Low Flow	211367	No	Slightly cloudy	None	none	7.34	0
003	MW-03	JC	03/04/24	13:00	Low Flow	211367	No	Clear	None	none	8.63	0
004	MW-04	JC	03/04/24	13:23	Low Flow	211367	No	Clear	None	none	7.59	0
005	MW-05	JC	03/04/24	14:46	Low Flow	211367	No	Slightly cloudy	None	none	25.93	0
006	MW-06	JC	03/05/24	11:24	Low Flow	211367	No	Clear	None	none	9.52	0
007	MW-07	JC	03/05/24	13:26	Low Flow	211367	No	Clear	None	none	4.80	0
008	MW-07S	TAC	03/04/24	12:48	Low Flow	218079	No	Clear	None	None	10.61	0.08
009	MW-08	JC	03/05/24	13:48	Low Flow	211367	No	Clear	None	none	8.07	0
010	MW-08S	TAC	03/04/24	N/A	Low Flow	218079	No	Clear	None	None	-	**N/A**
011	MW-09	TAC	03/05/24	10:23	Low Flow	218079	No	Clear	None	None	13.16	0.26
012	MW-10	TAC	03/05/24	11:06	Low Flow	218079	No	Clear	None	None	12.30	0.35
013	MW-11	JC	03/05/24	09:32	Low Flow	211367	No	Clear	None	none	11.46	0
014	MW-12	JC	03/05/24	12:57	Low Flow	211367	No	Cloudy	Slight	rust	6.46	0
015	MW-20	JC	03/05/24	10:48	Low Flow	211367	No	Slightly cloudy	None	none	8.80	**2.99**
016	MW-20S	TAC	03/04/24	11:09	Low Flow	218079	No	Clear	None	None	7.29	0.16
017	MW-23	JC	03/05/24	10:08	Low Flow	211367	No	Clear	None	none	16.20	0
018	MW-27	TAC	03/05/24	11:35	Low Flow	218079	No	Clear	None	None	Below T.O.P.	**N/A**
019	MW-28	BG	03/06/24	11:23	Low Flow	218079	No	Clear	None	Clear	6.62	**0.58**
020	MW-30	JC	03/06/24	10:53	Low Flow	211367	No	Clear	None	none	27.21	**2.95**
021	MW-31	JC	03/06/24	11:25	Low Flow	211367	No	Clear	None	none	29.65	0
022	MW-31S	TAC	03/04/24	11:55	Low Flow	218079	No	Clear	None	None	26.07	**3.86**
023	MW-32	JC	03/06/24	11:53	Low Flow	211367	No	Clear	None	none	22.66	0
024	PZ4!A	JC	03/06/24	09:43	Low Flow	211367	No	Cloudy	None	lt. brown	10.05	**2.35**
025	PZ4!C	JC	03/06/24	10:04	Low Flow	211367	No	Slightly cloudy	Strong	none	13.15	**6.03**
026	XPW01_pore	TAC	03/05/24	12:17	Low Flow	218079	No	Clear	None	None	24.40	0.06
027	XPW02_pore	TAC	03/05/24	12:58	Low Flow	218079	No	Clear	None	Orange tint	16.53	0.13
028	XPW03_pore	BG	03/05/24	10:19	Low Flow	218079	No	Cloudy	Slight	Orange tint	15.08	0.07
029	XPW04_pore	BG	03/05/24	10:48	Low Flow	218079	No	Clear	None	Clear	3.04	0.05
030	XSG-01											
031	YSG-02											
032	Field Blank	JC	03/06/24	12:11								
033	MW-08 Duplicate	JC	03/05/24	13:48	Low Flow	211367	No	Clear	None	none	8.07	0
034	Equipment Blank 1	JC	03/06/24	12:14								

Site Samping Event: Kincaid 1Q24
LIMS Workorder: 24021452
Technician(s): DC, JC, TC, BG

Groundwater Sampling Summary
Kincaid- 1Q 2024

WO Sample	Well ID	COMMENTS
001	MW-01	
002	MW-02	
003	MW-03	
004	MW-04	
005	MW-05	
006	MW-06	
007	MW-07	
008	MW-07S	
009	MW-08	
010	MW-08S	Dry- no sample
011	MW-09	
012	MW-10	
013	MW-11	
014	MW-12	
015	MW-20	
016	MW-20S	
017	MW-23	
018	MW-27	Purged dry on 3/4, sampled on 3/5.
019	MW-28	
020	MW-30	
021	MW-31	
022	MW-31S	
023	MW-32	
024	PZ4!A	
025	PZ4!C	
026	XPW01_pore	
027	XPW02_pore	
028	XPW03_pore	
029	XPW04_pore	
030	XSG-01	DTW only
031	YSG-02	DTW only
032	Field Blank	
033	MW-08 Duplicate	
034	Equipment Blank 1	

Site Samping Event: Kincaid 1Q24
LIMS Workorder: 24021452
Technician(s): DC, JC, TC, BG

Stabilized Field Parameters Summary
Kincaid- 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-01	3/4/2024	14:26	17.3	63.1	6.59	511.8	1.13	17.85	41.9	17.00	24021452-001A
MW-02	3/4/2024	12:30	17.3	63.1	7.18	664.2	1.59	83.62	42.0	7.34	24021452-002A
MW-03	3/4/2024	13:00	15.8	60.4	6.79	821.1	1.50	12.43	67.9	8.63	24021452-003A
MW-04	3/4/2024	13:23	15.2	59.4	6.90	732.1	0.94	4.46	-14.8	7.59	24021452-004A
MW-05	3/4/2024	14:46	16.9	62.4	6.63	1,151.6	0.66	54.41	31.8	25.93	24021452-005A
MW-06	3/5/2024	11:24	12.1	53.8	6.36	651.7	7.09	8.90	119.3	9.52	24021452-006A
MW-07	3/5/2024	13:26	10.8	51.4	6.90	803.2	0.94	15.97	26.6	4.80	24021452-007A
MW-07S	3/4/2024	12:48	17.9	64.2	6.77	1,495.7	0.90	1.04	0.4	10.53	24021452-008A
MW-08	3/5/2024	13:48	12.6	54.7	6.65	1,044.4	1.11	5.91	49.4	8.07	24021452-009A
MW-08S	3/4/2024	13:48	*Dry- no sample*							9.60	24021452-010A
MW-09	3/5/2024	10:23	12.1	53.8	6.72	670.8	5.20	15.04	101.4	12.90	24021452-011A
MW-10	3/5/2024	11:06	12.5	54.5	6.49	1,717.0	2.28	26.41	106.2	11.95	24021452-012A
MW-11	3/5/2024	9:32	13.8	56.8	6.62	887.3	1.85	9.27	117.5	11.46	24021452-013A
MW-12	3/5/2024	12:57	11.4	52.5	6.68	1,298.5	0.66	196.06	0.3	6.46	24021452-014A
MW-20	3/5/2024	10:48	12.1	53.8	6.87	912.8	2.36	27.01	108.0	5.81	24021452-015A
MW-20S	3/4/2024	11:09	20.4	68.7	6.74	1,338.8	3.29	4.79	117.6	7.13	24021452-016A
MW-23	3/5/2024	10:08	13.6	56.5	6.68	875.0	2.44	6.13	114.9	16.20	24021452-017A
MW-27	3/5/2024	11:35	13.1	55.6	6.82	1,454.0	6.27	45.07	59.8	15.17	24021452-018A
MW-28	3/6/2024	11:23	12.4	54.3	6.74	1,750.7	0.45	7.41	-8.4	6.04	24021452-019A
MW-30	3/6/2024	10:53	13.2	55.8	6.66	950.8	1.65	9.26	1.5	24.26	24021452-020A
MW-31	3/6/2024	11:25	13.1	55.6	6.76	956.7	1.63	7.26	-6.9	29.65	24021452-021A
MW-31S	3/4/2024	11:55	20.6	69.1	6.74	1,260.6	2.23	17.02	-27.0	22.21	24021452-022A
MW-32	3/6/2024	11:53	13.1	55.6	6.59	1,266.5	1.96	8.91	36.5	22.66	24021452-023A
PZ4!A	3/6/2024	9:43	10.2	50.4	6.97	981.4	6.24	153.88	63.1	7.70	24021452-024A
PZ4!C	3/6/2024	10:04	11.4	52.5	6.90	828.8	1.48	6.83	-12.4	7.12	24021452-025A
XPW01_pore	3/5/2024	12:17	18.4	65.1	7.54	615.7	0.51	74.77	37.0	24.34	24021452-026A
XPW02_pore	3/5/2024	12:58	15.6	60.1	6.73	1,011.9	0.26	24.95	-61.2	16.40	24021452-027A
XPW03_pore	3/6/2024	10:19	15.3	59.5	7.07	2,106.8	0.27	339.97	22.2	15.01	24021452-028A
XPW04_pore	3/6/2024	10:48	11.8	53.2	6.88	565.7	0.47	9.08	-94.6	2.99	24021452-029A
XSG-01	3/4/2024	9:37	*DTW only*							4.79	24021452-030A
YSG-02	3/4/2024	10:43	*DTW only*							13.03	24021452-031A
Field Blank	3/6/2024	12:11	*QA/QC Sample*								24021452-032A
MW-08 Duplicate	3/5/2024	13:48	12.6	54.7	6.65	1,044.4	1.11	5.91	49.4	8.07	24021452-033A
Equipment Blank 1	3/6/2024	12:14	*QA/QC Sample*								24021452-034A

Site Samping Event: Kincaid 1Q24
LIMS Workorder: 24021452
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Kincaid- 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-01	3/4/2024	14:17	17.00	17.8	64.0	6.66	517.9	1.59	30.95	47.4
MW-01	3/4/2024	14:20	17.00	17.3	63.1	6.62	513.7	1.37	21.88	45.3
MW-01	3/4/2024	14:23	17.00	17.3	63.1	6.60	511.7	1.22	19.58	43.3
MW-01	3/4/2024	14:26	17.00	17.3	63.1	6.59	511.8	1.13	17.85	41.9

Site Samping Event: Kincaid 1Q24
LIMS Workorder: 24021452
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Kincaid- 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-02	3/4/2024	12:21	7.34	16.9	62.4	7.18	664.9	1.69	85.01	43.5
MW-02	3/4/2024	12:24	7.34	17.2	63.0	7.18	664.6	1.65	83.27	42.8
MW-02	3/4/2024	12:27	7.34	17.2	63.0	7.19	664.2	1.62	83.79	42.4
MW-02	3/4/2024	12:30	7.34	17.3	63.1	7.18	664.2	1.59	83.62	42.0

Site Samping Event: Kincaid 1Q24
LIMS Workorder: 24021452
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Kincaid- 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-03	3/4/2024	12:51	8.63	14.8	58.6	6.88	820.1	2.93	16.64	68.9
MW-03	3/4/2024	12:54	8.63	15.5	59.9	6.82	815.5	2.20	14.61	69.1
MW-03	3/4/2024	12:57	8.63	15.9	60.6	6.80	820.7	1.74	13.03	68.7
MW-03	3/4/2024	13:00	8.63	15.8	60.4	6.79	821.1	1.50	12.43	67.9

Site Samping Event: Kincaid 1Q24
LIMS Workorder: 24021452
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Kincaid- 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-04	3/4/2024	13:14	7.59	15.1	59.2	6.88	727.8	2.83	8.20	32.9
MW-04	3/4/2024	13:17	7.59	15.2	59.4	6.88	732.1	1.45	6.02	13.8
MW-04	3/4/2024	13:20	7.59	15.2	59.4	6.89	732.4	1.12	4.85	-1.7
MW-04	3/4/2024	13:23	7.59	15.2	59.4	6.90	732.1	0.94	4.46	-14.8

Site Samping Event: Kincaid 1Q24
LIMS Workorder: 24021452
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Kincaid- 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-05	3/4/2024	14:34	25.93	16.8	62.2	6.63	1,148.7	0.69	64.03	30.6
MW-05	3/4/2024	14:37	25.93	17.0	62.6	6.63	1,148.3	0.68	61.92	30.8
MW-05	3/4/2024	14:40	25.93	16.8	62.2	6.63	1,150.3	0.67	58.91	31.2
MW-05	3/4/2024	14:43	25.93	17.0	62.6	6.63	1,148.4	0.66	52.11	31.4
MW-05	3/4/2024	14:46	25.93	16.9	62.4	6.63	1,151.6	0.66	54.41	31.8

Site Samping Event: Kincaid 1Q24
LIMS Workorder: 24021452
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Kincaid- 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-06	3/5/2024	11:18	9.52	12.1	53.8	6.40	653.3	7.21	10.52	115.7
MW-06	3/5/2024	11:21	9.52	12.1	53.8	6.37	651.9	7.14	8.26	117.8
MW-06	3/5/2024	11:24	9.52	12.1	53.8	6.36	651.7	7.09	8.90	119.3

Site Samping Event: Kincaid 1Q24
LIMS Workorder: 24021452
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Kincaid- 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-07	3/5/2024	13:17	4.80	10.8	51.4	6.94	791.1	1.45	25.44	21.6
MW-07	3/5/2024	13:20	4.80	10.8	51.4	6.90	792.0	1.20	17.62	24.7
MW-07	3/5/2024	13:23	4.80	10.8	51.4	6.89	797.1	1.04	16.00	26.4
MW-07	3/5/2024	13:26	4.80	10.8	51.4	6.90	803.2	0.94	15.97	26.6

Site Samping Event: Kincaid 1Q24
LIMS Workorder: 24021452
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Kincaid- 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-07S	3/4/2024	12:36	10.53	17.7	63.9	6.77	1,491.4	1.36	5.22	29.8
MW-07S	3/4/2024	12:39	10.53	18.0	64.4	6.77	1,490.2	1.17	3.05	19.2
MW-07S	3/4/2024	12:42	10.53	18.1	64.6	6.77	1,494.0	1.04	2.51	11.0
MW-07S	3/4/2024	12:45	10.53	18.2	64.8	6.77	1,493.2	0.96	1.94	4.9
MW-07S	3/4/2024	12:48	10.53	17.9	64.2	6.77	1,495.7	0.90	1.04	0.4

Site Samping Event: Kincaid 1Q24
LIMS Workorder: 24021452
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Kincaid- 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-08	3/5/2024	13:39	8.07	13.0	55.4	6.67	1,040.9	4.04	14.79	52.6
MW-08	3/5/2024	13:42	8.07	12.6	54.7	6.68	1,044.8	2.06	11.65	49.0
MW-08	3/5/2024	13:45	8.07	12.6	54.7	6.67	1,044.2	1.45	8.13	48.8
MW-08	3/5/2024	13:48	8.07	12.6	54.7	6.65	1,044.4	1.11	5.91	49.4

Site Samping Event: Kincaid 1Q24
LIMS Workorder: 24021452
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Kincaid- 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-08S	3/4/2024	13:48	9.60	Dry- No sample						

Site Samping Event: Kincaid 1Q24
LIMS Workorder: 24021452
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Kincaid- 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-09	3/5/2024	10:11	12.90	12.1	53.8	6.74	663.5	5.62	30.81	110.5
MW-09	3/5/2024	10:14	12.90	12.0	53.6	6.73	665.5	5.52	25.52	107.7
MW-09	3/5/2024	10:17	12.90	12.0	53.6	6.73	667.4	5.41	20.39	105.3
MW-09	3/5/2024	10:20	12.90	12.1	53.8	6.73	668.3	5.30	18.33	103.0
MW-09	3/5/2024	10:23	12.90	12.1	53.8	6.72	670.8	5.20	15.04	101.4

Site Samping Event: Kincaid 1Q24
LIMS Workorder: 24021452
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Kincaid- 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-10	3/5/2024	10:51	11.95	12.6	54.7	6.54	1,697.0	3.45	41.55	123.2
MW-10	3/5/2024	10:54	11.95	12.5	54.5	6.51	1,666.4	3.16	40.58	118.6
MW-10	3/5/2024	10:57	11.95	12.5	54.5	6.49	1,658.3	2.91	36.88	115.1
MW-10	3/5/2024	11:00	11.95	12.5	54.5	6.49	1,690.1	2.64	31.22	112.0
MW-10	3/5/2024	11:03	11.95	12.5	54.5	6.49	1,691.3	2.47	29.91	108.8
MW-10	3/5/2024	11:06	11.95	12.5	54.5	6.49	1,717.0	2.28	26.41	106.2

Site Samping Event: Kincaid 1Q24
LIMS Workorder: 24021452
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Kincaid- 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-11	3/5/2024	9:26	11.46	14.1	57.4	6.61	892.7	2.65	20.44	122.7
MW-11	3/5/2024	9:29	11.46	13.7	56.7	6.64	888.4	2.09	11.92	118.3
MW-11	3/5/2024	9:32	11.46	13.8	56.8	6.62	887.3	1.85	9.27	117.5

Site Samping Event: Kincaid 1Q24
LIMS Workorder: 24021452
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Kincaid- 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-12	3/5/2024	12:06	6.46	11.4	52.5	6.65	1,282.6	1.16	135.99	16.6
MW-12	3/5/2024	12:09	6.46	11.5	52.7	6.66	1,280.9	1.11	166.64	14.5
MW-12	3/5/2024	12:12	6.46	11.5	52.7	6.66	1,281.9	1.03	157.34	12.6
MW-12	3/5/2024	12:15	6.46	11.5	52.7	6.66	1,284.1	0.99	128.10	10.9
MW-12	3/5/2024	12:18	6.46	11.5	52.7	6.67	1,286.3	0.95	112.86	9.3
MW-12	3/5/2024	12:21	6.46	11.5	52.7	6.67	1,288.0	0.91	109.62	8.0
MW-12	3/5/2024	12:24	6.46	11.5	52.7	6.67	1,288.2	0.88	139.89	6.8
MW-12	3/5/2024	12:27	6.46	11.5	52.7	6.67	1,288.2	0.84	146.71	5.7
MW-12	3/5/2024	12:30	6.46	11.5	52.7	6.67	1,289.3	0.81	158.76	4.7
MW-12	3/5/2024	12:33	6.46	11.5	52.7	6.67	1,291.6	0.77	137.51	3.9
MW-12	3/5/2024	12:36	6.46	11.5	52.7	6.67	1,292.3	0.73	122.90	3.0
MW-12	3/5/2024	12:39	6.46	11.5	52.7	6.68	1,291.6	0.71	150.87	2.2
MW-12	3/5/2024	12:42	6.46	11.5	52.7	6.68	1,291.8	0.70	188.38	1.5
MW-12	3/5/2024	12:45	6.46	11.5	52.7	6.68	1,292.7	0.69	237.86	1.0
MW-12	3/5/2024	12:48	6.46	11.5	52.7	6.68	1,295.5	0.67	218.65	0.7
MW-12	3/5/2024	12:51	6.46	11.4	52.5	6.68	1,298.5	0.68	192.04	0.6
MW-12	3/5/2024	12:54	6.46	11.4	52.5	6.68	1,298.7	0.67	163.96	0.4
MW-12	3/5/2024	12:57	6.46	11.4	52.5	6.68	1,298.5	0.66	196.06	0.3

Site Samping Event: Kincaid 1Q24
LIMS Workorder: 24021452
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Kincaid- 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-20	3/5/2024	10:33	5.81	12.4	54.3	6.87	912.0	2.83	16.60	105.6
MW-20	3/5/2024	10:36	5.81	12.3	54.1	6.87	913.7	2.61	15.53	106.4
MW-20	3/5/2024	10:39	5.81	12.1	53.8	6.87	913.1	2.51	16.93	107.1
MW-20	3/5/2024	10:42	5.81	12.1	53.8	6.87	912.9	2.45	21.14	107.6
MW-20	3/5/2024	10:45	5.81	12.1	53.8	6.87	912.7	2.40	23.74	107.9
MW-20	3/5/2024	10:48	5.81	12.1	53.8	6.87	912.8	2.36	27.01	108.0

Site Samping Event: Kincaid 1Q24
LIMS Workorder: 24021452
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Kincaid- 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-20S	3/4/2024	10:51	7.13	20.9	69.6	6.79	1,433.3	4.48	11.75	121.9
MW-20S	3/4/2024	10:54	7.13	20.9	69.6	6.78	1,413.3	4.27	10.27	122.0
MW-20S	3/4/2024	10:57	7.13	20.9	69.6	6.77	1,390.6	4.09	8.03	121.7
MW-20S	3/4/2024	11:00	7.13	20.9	69.6	6.76	1,380.6	3.91	6.39	120.9
MW-20S	3/4/2024	11:03	7.13	20.9	69.6	6.76	1,366.5	3.73	5.83	119.9
MW-20S	3/4/2024	11:06	7.13	20.6	69.1	6.74	1,342.4	3.49	5.44	118.8
MW-20S	3/4/2024	11:09	7.13	20.4	68.7	6.74	1,338.8	3.29	4.79	117.6

Site Samping Event: Kincaid 1Q24
LIMS Workorder: 24021452
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Kincaid- 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-23	3/5/2024	9:56	16.20	13.7	56.7	6.73	876.5	3.61	21.83	112.9
MW-23	3/5/2024	9:59	16.20	13.7	56.7	6.71	875.4	2.98	16.42	113.8
MW-23	3/5/2024	10:02	16.20	13.6	56.5	6.69	875.5	2.71	12.06	114.6
MW-23	3/5/2024	10:05	16.20	13.6	56.5	6.68	875.2	2.54	7.93	115.0
MW-23	3/5/2024	10:08	16.20	13.6	56.5	6.68	875.0	2.44	6.13	114.9

Site Samping Event: Kincaid 1Q24
LIMS Workorder: 24021452
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Kincaid- 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-27	3/4/2024	13:25	15.17	18.2	64.8	6.79	1,469.5	4.69	49.54	11.0
MW-27	3/4/2024	13:28	15.17	18.3	64.9	6.77	1,471.2	4.57	34.68	10.7
MW-27	3/4/2024	13:31	15.17	18.5	65.3	6.74	1,470.5	4.49	35.87	6.8
MW-27	3/4/2024	13:34	15.17	18.4	65.1	6.73	1,452.6	4.79	19.55	-3.2
MW-27	3/4/2024	13:37	15.17	18.6	65.5	6.68	1,432.8	3.27	28.55	-13.1
MW-27	3/5/2024	11:35	15.17	13.1	55.6	6.82	1,454.0	6.27	45.07	59.8

Site Samping Event: Kincaid 1Q24
LIMS Workorder: 24021452
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Kincaid- 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-28	3/6/2024	11:08	6.04	12.5	54.5	6.82	1,545.3	1.84	14.47	-16.2
MW-28	3/6/2024	11:11	6.04	12.4	54.3	6.77	1,573.7	1.01	13.05	-13.5
MW-28	3/6/2024	11:14	6.04	12.4	54.3	6.76	1,613.8	0.73	31.63	-12.3
MW-28	3/6/2024	11:17	6.04	12.4	54.3	6.75	1,668.2	0.58	14.20	-11.0
MW-28	3/6/2024	11:20	6.04	12.5	54.5	6.74	1,717.2	0.50	9.53	-9.7
MW-28	3/6/2024	11:23	6.04	12.4	54.3	6.74	1,750.7	0.45	7.41	-8.4

Site Samping Event: Kincaid 1Q24
LIMS Workorder: 24021452
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Kincaid- 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-30	3/6/2024	10:44	24.26	13.0	55.4	6.69	952.0	2.71	31.14	28.1
MW-30	3/6/2024	10:47	24.26	13.0	55.4	6.65	958.2	1.91	23.57	18.2
MW-30	3/6/2024	10:50	24.26	13.1	55.6	6.65	953.2	1.62	14.96	10.3
MW-30	3/6/2024	10:53	24.26	13.2	55.8	6.66	950.8	1.65	9.26	1.5

Site Samping Event: Kincaid 1Q24
LIMS Workorder: 24021452
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Kincaid- 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-31	3/6/2024	11:16	29.65	12.9	55.2	7.17	824.0	7.00	6.75	14.8
MW-31	3/6/2024	11:19	29.65	13.0	55.4	6.81	934.2	3.41	10.44	8.8
MW-31	3/6/2024	11:22	29.65	13.0	55.4	6.78	949.4	2.08	9.17	-1.5
MW-31	3/6/2024	11:25	29.65	13.1	55.6	6.76	956.7	1.63	7.26	-6.9

Site Samping Event: Kincaid 1Q24
LIMS Workorder: 24021452
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Kincaid- 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-31S	3/4/2024	11:43	22.21	20.0	68.0	6.64	1,302.3	3.21	16.97	-22.6
MW-31S	3/4/2024	11:46	22.21	20.3	68.5	6.66	1,302.2	2.77	21.56	-25.6
MW-31S	3/4/2024	11:49	22.21	20.4	68.7	6.68	1,293.0	2.55	13.54	-27.8
MW-31S	3/4/2024	11:52	22.21	20.5	68.9	6.71	1,273.1	2.35	13.70	-28.2
MW-31S	3/4/2024	11:55	22.21	20.6	69.1	6.74	1,260.6	2.23	17.02	-27.0

Site Samping Event: Kincaid 1Q24
LIMS Workorder: 24021452
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Kincaid- 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-32	3/6/2024	11:44	22.66	14.1	57.4	6.89	1,233.0	6.65	5.46	39.1
MW-32	3/6/2024	11:47	22.66	13.6	56.5	6.67	1,312.8	3.45	7.46	37.0
MW-32	3/6/2024	11:50	22.66	13.0	55.4	6.62	1,291.1	2.46	7.99	36.2
MW-32	3/6/2024	11:53	22.66	13.1	55.6	6.59	1,266.5	1.96	8.91	36.5

Site Samping Event: Kincaid 1Q24
LIMS Workorder: 24021452
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Kincaid- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
PZ4!C	3/6/2024	9:55	7.12	11.4	52.5	6.88	831.8	3.26	12.98	34.4
PZ4!C	3/6/2024	9:58	7.12	11.3	52.3	6.89	831.3	2.02	9.34	10.8
PZ4!C	3/6/2024	10:01	7.12	11.3	52.3	6.90	830.3	1.64	7.68	-2.9
PZ4!C	3/6/2024	10:04	7.12	11.4	52.5	6.90	828.8	1.48	6.83	-12.4

Site Samping Event: Kincaid 1Q24
LIMS Workorder: 24021452
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Kincaid- 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_pore	3/5/2024	12:08	24.34	18.3	64.9	7.56	621.0	0.94	59.70	39.3
XPW01_pore	3/5/2024	12:11	24.34	18.3	64.9	7.56	618.1	0.79	78.00	38.1
XPW01_pore	3/5/2024	12:14	24.34	18.4	65.1	7.55	616.4	0.61	73.07	37.5
XPW01_pore	3/5/2024	12:17	24.34	18.4	65.1	7.54	615.7	0.51	74.77	37.0

Site Samping Event: Kincaid 1Q24
LIMS Workorder: 24021452
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Kincaid- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
XPW02_pore	3/5/2024	12:46	16.40	15.6	60.1	6.67	983.2	0.51	189.13	-48.0
XPW02_pore	3/5/2024	12:49	16.40	15.6	60.1	6.69	1,001.6	0.38	143.64	-52.6
XPW02_pore	3/5/2024	12:52	16.40	15.6	60.1	6.71	1,001.5	0.31	32.98	-56.3
XPW02_pore	3/5/2024	12:55	16.40	15.7	60.3	6.72	1,008.6	0.27	49.34	-59.0
XPW02_pore	3/5/2024	12:58	16.40	15.6	60.1	6.73	1,011.9	0.26	24.95	-61.2

Site Samping Event: Kincaid 1Q24
LIMS Workorder: 24021452
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Kincaid- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
XPW03_pore	3/6/2024	9:34	15.01	15.3	59.5	7.12	2,267.4	0.74	428.14	87.1
XPW03_pore	3/6/2024	9:37	15.01	15.5	59.9	7.10	2,255.5	0.61	450.34	86.6
XPW03_pore	3/6/2024	9:40	15.01	15.4	59.7	7.09	2,193.3	0.51	649.72	83.8
XPW03_pore	3/6/2024	9:43	15.01	15.3	59.5	7.08	2,178.8	0.44	1249.55	78.3
XPW03_pore	3/6/2024	9:46	15.01	15.3	59.5	7.08	2,170.9	0.38	657.53	70.8
XPW03_pore	3/6/2024	9:49	15.01	15.4	59.7	7.07	2,123.6	0.35	511.19	62.1
XPW03_pore	3/6/2024	9:52	15.01	15.4	59.7	7.07	2,077.8	0.34	657.70	57.0
XPW03_pore	3/6/2024	9:55	15.01	15.4	59.7	7.06	2,083.0	0.31	1145.59	55.1
XPW03_pore	3/6/2024	9:58	15.01	15.4	59.7	7.07	2,190.6	0.29	759.03	52.8
XPW03_pore	3/6/2024	10:01	15.01	15.4	59.7	7.08	2,220.5	0.29	595.49	48.2
XPW03_pore	3/6/2024	10:04	15.01	15.5	59.9	7.08	2,205.1	0.29	1842.45	42.8
XPW03_pore	3/6/2024	10:07	15.01	15.5	59.9	7.07	2,154.6	0.27	931.22	37.2
XPW03_pore	3/6/2024	10:10	15.01	15.5	59.9	7.07	2,126.5	0.26	984.16	32.2
XPW03_pore	3/6/2024	10:13	15.01	15.5	59.9	7.07	2,118.4	0.26	377.18	27.6
XPW03_pore	3/6/2024	10:16	15.01	15.4	59.7	7.07	2,110.0	0.27	345.92	24.5
XPW03_pore	3/6/2024	10:19	15.01	15.3	59.5	7.07	2,106.8	0.27	339.97	22.2

Site Samping Event: Kincaid 1Q24
LIMS Workorder: 24021452
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Kincaid- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
XPW04_pore	3/6/2024	10:42	2.99	11.6	52.9	6.91	566.1	0.68	9.54	-95.7
XPW04_pore	3/6/2024	10:45	2.99	11.7	53.1	6.89	565.9	0.55	9.01	-94.8
XPW04_pore	3/6/2024	10:48	2.99	11.8	53.2	6.88	565.7	0.47	9.08	-94.6

Site Samping Event: Kincaid 1Q24
LIMS Workorder: 24021452
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Kincaid- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
XSG-01	3/4/2024	9:37	4.79	DTW Only						

Site Samping Event: Kincaid 1Q24
LIMS Workorder: 24021452
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Kincaid- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
YSG-02	3/4/2024	10:43	13.03	DTW Only						

Site Samping Event: Kincaid 1Q24
LIMS Workorder: 24021452
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Kincaid- 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	3/6/2024	12:11	QA/QC Sample							

Site Samping Event: Kincaid 1Q24
LIMS Workorder: 24021452
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Kincaid- 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-08 Duplicate	3/5/2024	13:39	8.07	13.0	55.4	6.67	1,040.9	4.04	14.79	52.6
MW-08 Duplicate	3/5/2024	13:42	8.07	12.6	54.7	6.68	1,044.8	2.06	11.65	49.0
MW-08 Duplicate	3/5/2024	13:45	8.07	12.6	54.7	6.67	1,044.2	1.45	8.13	48.8
MW-08 Duplicate	3/5/2024	13:48	8.07	12.6	54.7	6.65	1,044.4	1.11	5.91	49.4

Site Samping Event: Kincaid 1Q24
LIMS Workorder: 24021452
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Kincaid- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
Equipment Blank 1	3/6/2024	12:14	QA/QC Sample							

Site Samping Event: Kincaid 1Q24
LIMS Workorder: 24021452
Technician(s): DC, JC, TC, BG

Field Calibration Log(s)
Kincaid- 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 218079 Technician(s): Tracy Carroll/Danny Crump Date: 3/4/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230820B	4.00	3/4/24 9:54
7.0 Buffer	WC230616F	7.00	3/4/24 9:55
10.0 Buffer	WC231027D	10.00	3/4/24 9:56
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1412	3/4/24 9:58

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	3/4/24 10:13	21.5	7.05	1,411	1.61			
CCV	3/4/24 15:25	31.1	7.06	1,333	0.95			

Field Meter ID: Pine 218079 Technician(s): Tracy Carroll/Danny Crump Date: 3/5/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230820B	4.00	3/5/24 9:39
7.0 Buffer	WC230616F	7.00	3/5/24 9:40
10.0 Buffer	WC231027D	10.00	3/5/24 9:42
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1412	3/5/24 9:44

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.12	3/5/24 9:45
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %	Comments
LCS	3/5/24 9:48	19.3	7.09	1,413	1.12			
CCV	3/5/24 13:35	18.8	7.08	1,349	0.43			

Site Samping Event: Kincaid 1Q24
LIMS Workorder: 24021452
Technician(s): DC, JC, TC, BG

Field Calibration Log(s)
Kincaid- 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 218079 Technician(s): Daniel Crump Date: 3/6/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230820B	4.00	3/6/24 9:21
7.0 Buffer	WC230616F	7.00	3/6/24 9:22
10.0 Buffer	WC231027D	10.00	3/6/24 9:22
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1412	3/6/24 9:23

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.66	3/6/24 9:25
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %	Comments
LCS	3/6/24 9:25	19.4	7.07	1,413	0.66			
CCV	3/6/24 12:24	14.7	7.05	1,413	0.44			

Field Meter ID: Pine 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	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %	Comments
LCS								
CCV (Midday)								
CCV								

Site Samping Event: Kincaid 1Q24
LIMS Workorder: 24021452
Technician(s): DC, JC, TC, BG

Field Calibration Log(s)
Kincaid- 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 211367 Technician(s): justin colp Date: 3/4/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230830b	4.00	3/4/24 11:04
7.0 Buffer	wc230616f	7.01	3/4/24 10:56
10.0 Buffer	wc231027d	10.00	3/4/24 11:09
LCS/CCV (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1414	3/4/24 11:12

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.15	3/4/24 11:12
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %	Comments
LCS	3/4/24 11:15	21.2	7.01	1,418	0.16			
CCV	3/4/24 14:52	23.6	7.03	1,426	0.19			

Field Meter ID: Pine 211367 Technician(s): justin colp Date: 3/5/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230830b	3.99	3/5/24 9:06
7.0 Buffer	wc230616f	7.02	3/5/24 9:03
10.0 Buffer	wc231027d	10.00	3/5/24 9:09
LCS/CCV (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1415	3/5/24 9:14

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.19	3/5/24 9:14
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	3/5/24 9:16	19.1	7.02	1,415	0.19			
CCV (Midday)	3/5/24 12:08	19.6	7.01	1,418	0.16			
CCV	3/5/24 14:00	19.9	7.02	1,423	0.2			

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 211367
Description YSI Pro DSS Display
Calibrated 3/1/2024 10:04:30AM

Manufacturer YSI
Model Number YSI Pro Dss
Serial Number/ Lot Number 22C102235
Location St. Louis
Department

State Certified
Status Pass
Temp °C 22.2
Humidity % 43

Calibration Specifications

Group # 1
Group Name Instrument Test
Test Performed: Yes **As Found Result: Pass** **As Left Result: Pass**

Test Instruments Used During the Calibration

Test Standard ID	Description	Manufacturer	Model Number	Serial Number / Lot Number	(As Of Cal Entry Date) Last Cal Date/ Opened Date	Next Cal Date / Expiration Date

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated Chris Harkins

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

Site Samping Event: Kincaid 1Q24
LIMS Workorder: 24021452
Technician(s): DC, JC, TC, BG

Field Calibration Log(s)
Kincaid- 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 211367 Technician(s): justin colp Date: 3/6/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230830b	4.00	3/6/24 8:59
7.0 Buffer	wc230616f	7.00	3/6/24 8:55
10.0 Buffer	wc231027d	9.98	3/6/24 9:02
LCS/CCV (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1415	3/6/24 9:07

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.16	3/6/24 9:07
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %	Comments
LCS	3/6/24 9:10	14.6	7.01	1,417	0.16			
CCV	3/6/24 12:00	16.8	7.01	1,423	0.19			

Field Meter ID: Pine 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	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %	Comments
LCS								
CCV (Midday)								
CCV								

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 218079
Description YSI Pro DSS Sonde
Calibrated 3/1/2024 10:09:04AM

Manufacturer YSI
Model Number Pro DSS
Serial Number/ Lot Number 23F102670
Location St. Louis
Department

State Certified
Status Pass
Temp °C 22.2
Humidity % 43

Calibration Specifications

Group # 1
Group Name PH
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
7.00 / 7.00	PH	7.00	PH	7.37	7.02	0.29%	Pass
4.00 / 4.00	PH	4.00	PH	4.41	4.00	0.00%	Pass
10.00 / 10.00	PH	10.00	PH	10.13	10.05	0.50%	Pass

Group # 2
Group Name Turbidity (NTU)
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
0.00 / 0.00	NTU	0.00	NTU	0.44	0.00	0.00%	Pass
124.00 / 124.00	NTU	124.00	NTU	119.15	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	1.552	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	226.60	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 218079
Description YSI Pro DSS Sonde
Calibrated 3/1/2024 10:09:04AM

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	%	92.40	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#24002361	Auto Cal Solution 0 NTU/PH 4	GFS	8483	24002361		6/28/2024
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

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

April 04, 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: KIN-24Q1 **WorkOrder:** 24021453

Dear Eric Bauer:

TEKLAB, INC received 28 samples on 3/6/2024 3:05:00 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: KIN-24Q1

Work Order: 24021453
Report Date: 04-Apr-24

This reporting package includes the following:

Quality Control Results	1
Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	5
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Receiving Check List	35
Chain of Custody	Appended

Definitions

Client: Ramboll **Work Order:** 24021453

Client Project: KIN-24Q1 **Report Date:** 04-Apr-24

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

Definitions

Client: Ramboll **Work Order:** 24021453

Client Project: KIN-24Q1 **Report Date:** 04-Apr-24

Qualifiers

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

Teklab, Inc.
Environmental Laboratory

Case Narrative

Client: Ramboll
Work Order: 24021453
Client Project: KIN-24Q1
Report Date: 04-Apr-24

Cooler Receipt Temp: 12.1 °C

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

MW-08S was dry; no sample volume was collected.

Equipment Blank 2 and Equipment Blank 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:** 24021453

Client Project: KIN-24Q1 **Report Date:** 04-Apr-24

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2025	Collinsville
Illinois	IEPA	1004652024-2	NELAP	4/30/2025	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2024	Collinsville
Louisiana	LDEQ	05002	NELAP	6/30/2024	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2024	Collinsville
Oklahoma	ODEQ	9978	NELAP	8/31/2024	Collinsville
Arkansas	ADEQ	88-0966		3/14/2024	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

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24021453

Client Project: KIN-24Q1 **Report Date:** 04-Apr-24

Lab ID: 24021453-001 **Client Sample ID:** MW-01

Matrix: GROUNDWATER **Collection Date:** 03/04/2024 14:26

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	03/29/2024 12:06	R345252

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24021453

Client Project: KIN-24Q1 **Report Date:** 04-Apr-24

Lab ID: 24021453-002 **Client Sample ID:** MW-02

Matrix: GROUNDWATER **Collection Date:** 03/04/2024 12:30

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	03/29/2024 12:06	R345252

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24021453

Client Project: KIN-24Q1 **Report Date:** 04-Apr-24

Lab ID: 24021453-003 **Client Sample ID:** MW-03

Matrix: GROUNDWATER **Collection Date:** 03/04/2024 13:00

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	03/29/2024 12:06	R345252

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24021453

Client Project: KIN-24Q1 **Report Date:** 04-Apr-24

Lab ID: 24021453-004 **Client Sample ID:** MW-04

Matrix: GROUNDWATER **Collection Date:** 03/04/2024 13:23

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	03/29/2024 12:06	R345252

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24021453

Client Project: KIN-24Q1 **Report Date:** 04-Apr-24

Lab ID: 24021453-005 **Client Sample ID:** MW-05

Matrix: GROUNDWATER **Collection Date:** 03/04/2024 14:46

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	03/29/2024 12:07	R345252

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24021453

Client Project: KIN-24Q1 **Report Date:** 04-Apr-24

Lab ID: 24021453-006 **Client Sample ID:** MW-06

Matrix: GROUNDWATER **Collection Date:** 03/05/2024 11:24

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	03/29/2024 12:07	R345252

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24021453

Client Project: KIN-24Q1 **Report Date:** 04-Apr-24

Lab ID: 24021453-007 **Client Sample ID:** MW-07

Matrix: GROUNDWATER **Collection Date:** 03/05/2024 13:26

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	03/29/2024 12:07	R345252

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24021453

Client Project: KIN-24Q1 **Report Date:** 04-Apr-24

Lab ID: 24021453-008 **Client Sample ID:** MW-07S

Matrix: GROUNDWATER **Collection Date:** 03/04/2024 12:48

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	03/29/2024 12:07	R345252

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24021453

Client Project: KIN-24Q1 **Report Date:** 04-Apr-24

Lab ID: 24021453-009 **Client Sample ID:** MW-08

Matrix: GROUNDWATER **Collection Date:** 03/05/2024 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	03/29/2024 12:07	R345252

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24021453

Client Project: KIN-24Q1 **Report Date:** 04-Apr-24

Lab ID: 24021453-011 **Client Sample ID:** MW-09

Matrix: GROUNDWATER **Collection Date:** 03/05/2024 10:23

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	03/29/2024 12:08	R345252

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24021453

Client Project: KIN-24Q1 **Report Date:** 04-Apr-24

Lab ID: 24021453-012 **Client Sample ID:** MW-10

Matrix: GROUNDWATER **Collection Date:** 03/05/2024 11:06

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	03/29/2024 12:08	R345252

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24021453

Client Project: KIN-24Q1 **Report Date:** 04-Apr-24

Lab ID: 24021453-013 **Client Sample ID:** MW-11

Matrix: GROUNDWATER **Collection Date:** 03/05/2024 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	03/29/2024 12:08	R345252

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24021453

Client Project: KIN-24Q1 **Report Date:** 04-Apr-24

Lab ID: 24021453-014 **Client Sample ID:** MW-12

Matrix: GROUNDWATER **Collection Date:** 03/05/2024 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	03/29/2024 12:08	R345252

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24021453

Client Project: KIN-24Q1 **Report Date:** 04-Apr-24

Lab ID: 24021453-015 **Client Sample ID:** MW-20

Matrix: GROUNDWATER **Collection Date:** 03/05/2024 10:48

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	03/29/2024 12:08	R345252

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24021453

Client Project: KIN-24Q1 **Report Date:** 04-Apr-24

Lab ID: 24021453-016 **Client Sample ID:** MW-20S

Matrix: GROUNDWATER **Collection Date:** 03/04/2024 11:09

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	03/29/2024 12:09	R345252

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24021453

Client Project: KIN-24Q1 **Report Date:** 04-Apr-24

Lab ID: 24021453-017 **Client Sample ID:** MW-23

Matrix: GROUNDWATER **Collection Date:** 03/05/2024 10:08

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	03/29/2024 12:09	R345252

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24021453

Client Project: KIN-24Q1 **Report Date:** 04-Apr-24

Lab ID: 24021453-018 **Client Sample ID:** MW-27

Matrix: GROUNDWATER **Collection Date:** 03/05/2024 11:35

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	03/29/2024 12:09	R345252

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24021453

Client Project: KIN-24Q1 **Report Date:** 04-Apr-24

Lab ID: 24021453-019 **Client Sample ID:** MW-28

Matrix: GROUNDWATER **Collection Date:** 03/06/2024 11:23

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	03/29/2024 12:09	R345252

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24021453

Client Project: KIN-24Q1 **Report Date:** 04-Apr-24

Lab ID: 24021453-020 **Client Sample ID:** MW-30

Matrix: GROUNDWATER **Collection Date:** 03/06/2024 10:53

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	03/29/2024 12:09	R345252

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24021453

Client Project: KIN-24Q1 **Report Date:** 04-Apr-24

Lab ID: 24021453-021 **Client Sample ID:** MW-31

Matrix: GROUNDWATER **Collection Date:** 03/06/2024 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	03/29/2024 12:10	R345252

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24021453

Client Project: KIN-24Q1 **Report Date:** 04-Apr-24

Lab ID: 24021453-022 **Client Sample ID:** MW-31S

Matrix: GROUNDWATER **Collection Date:** 03/04/2024 11:55

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	03/29/2024 12:10	R345252

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24021453

Client Project: KIN-24Q1 **Report Date:** 04-Apr-24

Lab ID: 24021453-023 **Client Sample ID:** MW-32

Matrix: GROUNDWATER **Collection Date:** 03/06/2024 11:53

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	03/29/2024 12:10	R345252

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24021453

Client Project: KIN-24Q1 **Report Date:** 04-Apr-24

Lab ID: 24021453-024 **Client Sample ID:** PZ4!A

Matrix: GROUNDWATER **Collection Date:** 03/06/2024 9:43

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	03/29/2024 12:11	R345252

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24021453

Client Project: KIN-24Q1 **Report Date:** 04-Apr-24

Lab ID: 24021453-025 **Client Sample ID:** PZ4!C

Matrix: GROUNDWATER **Collection Date:** 03/06/2024 10:04

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	03/29/2024 12:11	R345252

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24021453

Client Project: KIN-24Q1 **Report Date:** 04-Apr-24

Lab ID: 24021453-026 **Client Sample ID:** Field Blank

Matrix: AQUEOUS **Collection Date:** 03/06/2024 12:11

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	03/29/2024 12:11	R345252

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24021453

Client Project: KIN-24Q1 **Report Date:** 04-Apr-24

Lab ID: 24021453-027 **Client Sample ID:** MW-08 Duplicate

Matrix: GROUNDWATER **Collection Date:** 03/05/2024 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	03/29/2024 12:11	R345252

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24021453

Client Project: KIN-24Q1 **Report Date:** 04-Apr-24

Lab ID: 24021453-028 **Client Sample ID:** Equipment Blank 1

Matrix: AQUEOUS **Collection Date:** 03/06/2024 12:14

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	03/29/2024 12:11	R345252

Sample Summary

Client: Ramboll
Work Order: 24021453
Client Project: KIN-24Q1
Report Date: 04-Apr-24

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
24021453-001	MW-01	Groundwater	1	03/04/2024 14:26
24021453-002	MW-02	Groundwater	1	03/04/2024 12:30
24021453-003	MW-03	Groundwater	1	03/04/2024 13:00
24021453-004	MW-04	Groundwater	1	03/04/2024 13:23
24021453-005	MW-05	Groundwater	1	03/04/2024 14:46
24021453-006	MW-06	Groundwater	1	03/05/2024 11:24
24021453-007	MW-07	Groundwater	1	03/05/2024 13:26
24021453-008	MW-07S	Groundwater	1	03/04/2024 12:48
24021453-009	MW-08	Groundwater	1	03/05/2024 13:48
24021453-010	MW-08S	Groundwater	1	03/04/2024 0:00
24021453-011	MW-09	Groundwater	1	03/05/2024 10:23
24021453-012	MW-10	Groundwater	1	03/05/2024 11:06
24021453-013	MW-11	Groundwater	1	03/05/2024 9:32
24021453-014	MW-12	Groundwater	1	03/05/2024 12:57
24021453-015	MW-20	Groundwater	1	03/05/2024 10:48
24021453-016	MW-20S	Groundwater	1	03/04/2024 11:09
24021453-017	MW-23	Groundwater	1	03/05/2024 10:08
24021453-018	MW-27	Groundwater	1	03/05/2024 11:35
24021453-019	MW-28	Groundwater	1	03/06/2024 11:23
24021453-020	MW-30	Groundwater	1	03/06/2024 10:53
24021453-021	MW-31	Groundwater	1	03/06/2024 11:25
24021453-022	MW-31S	Groundwater	1	03/04/2024 11:55
24021453-023	MW-32	Groundwater	1	03/06/2024 11:53
24021453-024	PZ4!A	Groundwater	1	03/06/2024 9:43
24021453-025	PZ4!C	Groundwater	1	03/06/2024 10:04
24021453-026	Field Blank	Aqueous	1	03/06/2024 12:11
24021453-027	MW-08 Duplicate	Groundwater	1	03/05/2024 13:48
24021453-028	Equipment Blank 1	Aqueous	1	03/06/2024 12:14

Teklab, Inc. Environmental Laboratory

Receiving Check List

http://www.teklabinc.com/

Client: Ramboll
Client Project: KIN-24Q1

Work Order: 24021453
Report Date: 04-Apr-24

Carrier: Justin Colp

Received By: AMD

Completed by: Amber Dilallo
On: 04-Mar-24

Reviewed by: Ellie Hopkins
On: 06-Mar-24

Pages to follow: Chain of custody 7 Extra pages included 33

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.

Additional Nitric Acid (96331) was needed in MW-01, MW-04, MW-05, MW-07S, MW-20S and MW-31S upon arrival at the laboratory. - amberdilallo - 3/4/2024 4:57:39 PM

pH strip #90719. - amberdilallo - 3/4/2024 4:57:41 PM

Samples were received on 3/5/24 at 1535 on ice [8.5C - LTG7]. Additional Nitric Acid (96331) was needed in MW-08, MW-11, MW-12, MW-20, MW-23, MW-27 and MW-08 Duplicate upon arrival at the laboratory. pH strip #90719. - amberdilallo - 3/5/2024 4:58:37 PM

Samples were received on 3/6/24 at 1505 on ice [8.5C - LTG5]. pH strip #90719. - amberdilallo - 3/6/2024 3:30:16 PM

24021453

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:

Company:	Vistra Corp-Kincaid
Address:	199 IL 104
	Kincaid, IL 62540
Email To:	Brian.Voelker@VistraCorp.com; Tim.Arnold@vistracorp.com
Phone: (217) 753-8911	Fax:
Requested Due Date/TAT:	10 day

Section B Required Project Information:

Report To:	Brian Voelker, Sam Davies
Copy To:	Tim Arnold
Purchase Order No.:	
Project Name:	
Project Number:	

Section C Invoice Information:

Attention:	Brian Voelker, Tim Arnold
Company Name:	Vistra Corp
Address:	see Section A
Quote Reference:	
Project Manager:	Liz Hurley
Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

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

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

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	KIN-257-141	KIN-845-141	KIN_620_141	KIN-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-01	WT	G	3-4-24	1426		2			2							X	X	X			24021453-001
2	MW-02	WT	G	3-4-24	1230		2			2							X	X	X			24021453-002
3	MW-03	WT	G	3-4-24	1300		2			2							X	X	X			24021453-003
4	MW-04	WT	G	3-4-24	1323		2			2							X	X	X			24021453-004
5	MW-05	WT	G	3-4-24	1446		2			2							X	X	X			24021453-005
6	MW-06	WT	G				2			2							X	X	X			24021453-006
7	MW-07	WT	G				2			2							X	X	X			24021453-007
8	MW-07S	WT	G	3-4-24	1248		2			2							X	X				24021453-008
9	MW-08	WT	G				2			2							X	X	X			24021453-009
10	MW-08S	WT	G	3-4-24	DRY		2			2							X	X				24021453-010
11	MW-09	WT	G				2			2									X			24021453-011
12	MW-10	WT	G				2			2									X			24021453-012
13	MW-11	WT	G				2			2							X	X	X			24021453-013
14	MW-12	WT	G				2			2							X	X	X			24021453-014
15	MW-20	WT	G				2			2							X	X				24021453-015
16	MW-20S	WT	G	3-4-24	1109		2			2							X	X				24021453-016

Requested Analysis Filtered (Y/N)

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
KIN-24Q1 Rev 0 Radium, only	J. Colp	3-4	1645	Simon Oscarson	3/4/24	1645	12.1 / 4.07 / N / Y

* HNO_3 added to 2/2 containers (96331)

x HNO_3 added 1/2 containers pH ✓ 90719 cm 3/4

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: Justin Colp DATE Signed (MM/DD/YY): 3-4-24

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

Confidential

CHAIN-OF-CUSTODY / Analytical Request Document

24021453

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Page: 2 of 3

Section A Required Client Information:

Company:	Vistra Corp-Kincaid
Address:	199 IL 104
	Kincaid, IL 62540
Email To:	Brian.Voelker@VistraCorp.com; Tim.Arnold@vistracorp.com
Phone: (217) 753-8911	Fax:
Requested Due Date/TAT:	10 day

Section B Required Project Information:

Report To:	Brian Voelker, Sam Davies
Copy To:	Tim Arnold
Purchase Order No.:	
Project Name:	
Project Number:	

Section C Invoice Information:

Attention:	Brian Voelker, Tim Arnold
Company Name:	Vistra Corp
Address:	see Section A
Quote Reference:	
Project Manager:	Liz Hurley
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	KIN-257-141	KIN-845-141	KIN_620_141	KIN-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-23	WT	G				2			2							X	X				24021453-017
2	MW-27	WT	G				2			2							X	X				24021453-018
3	MW-28	WT	G				2			2							X	X				24021453-019
4	MW-30	WT	G				2			2							X	X				24021453-020
5	MW-31	WT	G				2			2							X	X				24021453-021
6	MW-31S	WT	G	3-4-24	1155		2			2							X	X				24021453-022
7	MW-32	WT	G				2			2							X	X				24021453-023
8	PZ4IA	WT	G				2			2										X		24021453-024
9	PZ4IC	WT	G				2			2							X	X				24021453-025
10	XPW01_pore	WT	G														X	X				N/A
11	XPW02_pore	WT	G														X	X				N/A
12	XPW03_pore	WT	G														X	X				N/A
13	XPW04_pore	WT	G														X	X				N/A
14	XSG-01	WT	G														X	X	X			N/A
15	YSG-02	WT	G														X	X	X			N/A
16	Field Blank	WT	G				2			2							X	X	X	X		24021453-026

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
KIN-24Q1 Rev 0	J. Colp	3-4	1645	[signature]	3/4/24	1645	Y / N
Radium, only							

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 3-4-24

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

CHAIN-OF-CUSTODY / Analytical Request Document

24021453

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Page: 1 of 3

Section A Required Client Information:

Company:	Vistra Corp-Kincaid
Address:	199 IL 104
	Kincaid, IL 62540
Email To:	Brian.Voelker@VistraCorp.com; Tim.Arnold@vistracorp.com
Phone: (217) 763-8911	Fax:
Requested Due Date/TAT:	10 day

Section B Required Project Information:

Report To:	Brian Voelker, Sam Davies
Copy To:	Tim Arnold
Purchase Order No.:	
Project Name:	
Project Number:	

Section C Invoice Information:

Attention:	Brian Voelker, Tim Arnold
Company Name:	Vistra Corp
Address:	see Section A
Quote Reference:	
Project Manager:	Liz Hurley
Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

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

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	KIN-257-141	KIN-845-141	KIN_620_141	KIN-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-01	WT	G				2			2							X	X	X			24021453-001
2	MW-02	WT	G				2			2							X	X	X			24021453-002
3	MW-03	WT	G				2			2							X	X	X			24021453-003
4	MW-04	WT	G				2			2							X	X	X			24021453-004
5	MW-05	WT	G				2			2							X	X	X			24021453-005
6	MW-06	WT	G	3-5-24	1124		2			2							X	X	X			24021453-006
7	MW-07	WT	G	3-5-24	1526		2			2							X	X	X			24021453-007
8	MW-07S	WT	G				2			2							X	X				24021453-008
9	* MW-08	WT	G	3-5-24	1348		2			2							X	X	X			24021453-009
10	MW-08S	WT	G				2			2							X	X				24021453-010
11	MW-09	WT	G	3-5-24	1023		2			2									X			24021453-011
12	MW-10	WT	G	3-5-24	1106		2			2									X			24021453-012
13	* MW-11	WT	G	3-5-24	0932		2			2							X	X	X			24021453-013
14	* MW-12	WT	G	3-5-24	1257		2			2							X	X	X			24021453-014
15	* MW-20	WT	G	3-5-24	1048		2			2							X	X				24021453-015
16	MW-20S	WT	G				2			2							X	X				24021453-016

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
KIN-24Q1 Rev 0	J. Colp	3-5	1535	Emma Gilardi	3/5/24	1535	8.5 > N Y
Radium, only							UN

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: Justin Colp DATE Signed (MM/DD/YY): 3-5-24

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

PHV90719

* added HNO_3(9633)

LH 3/5/24

CHAIN-OF-CUSTODY / Analytical Request Document

24021453

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Page: 2 of 3

Section A Required Client Information:

Company:	Vistra Corp-Kincaid
Address:	199 IL 104
	Kincaid, IL 62540
Email To:	Brian.Voelker@VistraCorp.com
	Tim.Arnold@vistracorp.com
Phone: (217) 753-8911	Fax:
Requested Due Date/TAT:	10 day

Section B Required Project Information:

Report To:	Brian Voelker, Sam Davies
Copy To:	Tim Arnold
Purchase Order No.:	
Project Name:	
Project Number:	

Section C Invoice Information:

Attention:	Brian Voelker, Tim Arnold
Company Name:	Vistra Corp
Address:	see Section A
Quote Reference:	
Project Manager:	Liz Hurley
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: KIN-257-141	KIN-845-141	KIN_620_141	KIN-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	* MW-23	WT	G	3-5-24	1008		2			2							X	X				24021453-017
2	* MW-27	WT	G	3-5-24	1135		2			2							X	X				24021453-018
3	MW-28	WT	G				2			2							X	X				24021453-019
4	MW-30	WT	G				2			2							X	X				24021453-020
5	MW-31	WT	G				2			2							X	X				24021453-021
6	MW-31S	WT	G				2			2							X	X				24021453-022
7	MW-32	WT	G				2			2							X	X				24021453-023
8	PZ4IA	WT	G				2			2										X		24021453-024
9	PZ4IC	WT	G				2			2							X	X				24021453-025
10	XPW01_pore	WT	G	3-5-24	1217												X	X				N/A
11	XPW02_pore	WT	G	3-5-24	1258												X	X				N/A
12	XPW03_pore	WT	G														X	X				N/A
13	XPW04_pore	WT	G														X	X				N/A
14	XSG-01	WT	G														X	X	X			N/A
15	YSG-02	WT	G														X	X	X			N/A
16	Field Blank	WT	G				2			2							X	X	X	X		24021453-026

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
KIN-24Q1 Rev 0	J. Colp	3-5	1535	Unknown Affiliation	3/5/24	1535	
Radium, only							

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: Justin Colp DATE Signed (MM/DD/YY): 3-5-24

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

24021453

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-Kincaid
Address:	199 IL 104
	Kincaid, IL 62540
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, Sam Davies
Copy To:	Tim Arnold
Purchase Order No.:	
Project Name:	
Project Number:	

Section C Invoice Information:

Attention:	Brian Voelker, Tim Arnold
Company Name:	Vistra Corp
Address:	see Section A
Quote Reference:	
Project Manager:	Liz Hurley
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)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	KIN-257-141	KIN-845-141	KIN_620_141	KIN-SUP-00D	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-08 Duplicate	WT	G	3-5-24	1348		2			2							X	X	X			24021453-027
2	Equipment Blank 1	WT	G				2			2							X	X	X	X		24021453-028
3	Equipment Blank 2	WT	G				2			2							X	X	X	X		24021453-029
4	Equipment Blank 3	WT	G				2			2							X	X	X	X		24021453-030
5																						
6																						
7																						
8																						
9																						
10																						
11																						
12																						
13																						
14																						
15																						
16																						

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
KIN-24Q1 Rev 0	J. Colp	3-5	1535	[signature]	3/5/24	1535	
Radium, only							

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 3-5-24

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

24021453

KIN-257-141

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-Kincaid	Report To: Brian Voelker, Sam Davies	Attention: Brian Voelker, Tim Arnold
Address: 199 IL 104	Copy To: Tim Arnold	Company Name: Vistra Corp
Kincaid, IL 62540		Address: see Section A
Email To: Brian.Voelker@VistraCorp.com; Tim.Arnold@vistracorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager: Liz Hurley
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	KIN-257-141	KIN-845-141	KIN_620_141	KIN-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-23	WT	G				2			2							X	X				24021453-017
2	MW-27	WT	G				2			2							X	X				24021453-018
3	MW-28	WT	G	3-6-24	1123		2			2							X	X				24021453-019
4	MW-30	WT	G	3-6-24	1053		2			2							X	X				24021453-020
5	MW-31	WT	G	3-6-24	1125		2			2							X	X				24021453-021
6	MW-31S	WT	G				2			2							X	X				24021453-022
7	MW-32	WT	G	3-6-24	1153		2			2							X	X				24021453-023
8	PZ4IA	WT	G	3-6-24	0943		2			2										X		24021453-024
9	PZ4IC	WT	G	3-6-24	1004		2			2							X	X				24021453-025
10	XPW01_pore	WT	G														X	X				N/A
11	XPW02_pore	WT	G														X	X				N/A
12	XPW03_pore	WT	G	3-6-24	1019												X	X				N/A
13	XPW04_pore	WT	G	3-6-24	1048												X	X				N/A
14	XSG-01	WT	G														X	X	X			N/A
15	YSG-02	WT	G														X	X	X			N/A
16	Field Blank	WT	G	3-6-24	1211		2			2							X	X	X	X		24021453-026

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
KIN-24Q1 Rev 0 Radium, only	J. Colp	3-6	1505	Amber Allen	3/6/24	1505

SAMPLE CONDITIONS

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
8.5	Y	N	Y
UC5			

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: Justin Colp

DATE Signed (MM/DD/YY): 3-6-24

pH ✓ 90719 Um 3/6/24

CHAIN-OF-CUSTODY / Analytical Request Document

24021453

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-Kincaid
Address:	199 IL 104
	Kincaid, IL 62540
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, Sam Davies
Copy To:	Tim Arnold
Purchase Order No.:	
Project Name:	
Project Number:	

Section C Invoice Information:

Attention:	Brian Voelker, Tim Arnold
Company Name:	Vistra Corp
Address:	see Section A
Quote Reference:	
Project Manager:	Liz Hurley
Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

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

Valid Matrix Codes

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

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	KIN-257-141	KIN-845-141	KIN_620_141	KIN-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-08 Duplicate	WT	G				2			2							X	X	X			24021453-027
2	Equipment Blank 1	WT	G	3-6-24	1214		2			2							X	X	X	X		24021453-028
3	Equipment Blank 2	WT	G				2			2							X	X	X	X		24021453-029
4	Equipment Blank 3	WT	G				2			2							X	X	X	X		24021453-030
5																						
6																						
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
KIN-24Q1 Rev 0	J. Colp	3-6	1505	Amber Dillard	3/6/24	1505
Radium, only						

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

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: John Colp

SIGNATURE of SAMPLER: John Colp

DATE Signed (MM/DD/YY): 3-6-24

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 4/3/2024 2:56:07 PM

JOB DESCRIPTION

Radium-226 and Radium-228
24021453

JOB NUMBER

160-53402-1

Eurofins St. Louis
13715 Rider Trail North
Earth City MO 63045

See page two for job notes and contact information.

my EOL

Eurofins St. Louis

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins TestAmerica Project Manager.

Authorization



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Authorized for release by
Erika Jordan, Project Manager
erika.jordan@et.eurofinsus.com
(314)298-8566

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Case Narrative

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

Job ID: 160-53402-1

CASE NARRATIVE

Client: TekLab, Inc

Project: 24021453

Report Number: 160-53402-1

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 3/7/2024 11:25 AM. 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 15.4°C, 16.5°C and 18.2°C.

Method 903.0 - Radium-226 (GFPC)
Samples 24021453-001 (160-53402-1), 24021453-002 (160-53402-2), 24021453-003 (160-53402-3), 24021453-004 (160-53402-4), 24021453-005 (160-53402-5), 24021453-006 (160-53402-6), 24021453-007 (160-53402-7), 24021453-008 (160-53402-8), 24021453-009 (160-53402-9), 24021453-011 (160-53402-11), 24021453-012 (160-53402-12), 24021453-013 (160-53402-13), 24021453-014 (160-53402-14), 24021453-015 (160-53402-15), 24021453-016 (160-53402-16), 24021453-017 (160-53402-17), 24021453-018 (160-53402-18), 24021453-019 (160-53402-19), 24021453-020 (160-53402-20), 24021453-021 (160-53402-21), 24021453-022 (160-53402-22), 24021453-023 (160-53402-23), 24021453-024 (160-53402-24), 24021453-025 (160-53402-25), 24021453-026 (160-53402-26), 24021453-027 (160-53402-27) and 24021453-028 (160-53402-28) were analyzed for Radium-226 (GFPC). The samples were prepared on 3/8/2024 and analyzed on 4/1/2024 and 4/2/2024.

No analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Method 904.0 - Radium-228 (GFPC)

Case Narrative

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

Job ID: 160-53402-1

Job ID: 160-53402-1 (Continued) — Eurofins St. Louis

Samples 24021453-001 (160-53402-1), 24021453-002 (160-53402-2), 24021453-003 (160-53402-3), 24021453-004 (160-53402-4), 24021453-005 (160-53402-5), 24021453-006 (160-53402-6), 24021453-007 (160-53402-7), 24021453-008 (160-53402-8), 24021453-009 (160-53402-9), 24021453-011 (160-53402-11), 24021453-012 (160-53402-12), 24021453-013 (160-53402-13), 24021453-014 (160-53402-14), 24021453-015 (160-53402-15), 24021453-016 (160-53402-16), 24021453-017 (160-53402-17), 24021453-018 (160-53402-18), 24021453-019 (160-53402-19), 24021453-020 (160-53402-20), 24021453-021 (160-53402-21), 24021453-022 (160-53402-22), 24021453-023 (160-53402-23), 24021453-024 (160-53402-24), 24021453-025 (160-53402-25), 24021453-026 (160-53402-26), 24021453-027 (160-53402-27) and 24021453-028 (160-53402-28) were analyzed for Radium-228 (GFPC). The samples were prepared on 3/8/2024 and analyzed on 3/29/2024.

Batch 160-651633:
The detection goal was not met for the following sample due to the reduced sample volume attributed to the presence of matrix interferences: 24021453-024 (160-53402-24) . Analytical results are reported with the detection limit achieved.

Batch 160-651631:
The detection goal was not met for the following samples due to the reduced sample volume attributed to the presence of matrix interferences: 24021453-002 (160-53402-2), 24021453-005 (160-53402-5) and 24021453-012 (160-53402-12) . 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 24021453-001 (160-53402-1), 24021453-002 (160-53402-2), 24021453-003 (160-53402-3), 24021453-004 (160-53402-4), 24021453-005 (160-53402-5), 24021453-006 (160-53402-6), 24021453-007 (160-53402-7), 24021453-008 (160-53402-8), 24021453-009 (160-53402-9), 24021453-011 (160-53402-11), 24021453-012 (160-53402-12), 24021453-013 (160-53402-13), 24021453-014 (160-53402-14), 24021453-015 (160-53402-15), 24021453-016 (160-53402-16), 24021453-017 (160-53402-17), 24021453-018 (160-53402-18), 24021453-019 (160-53402-19), 24021453-020 (160-53402-20), 24021453-021 (160-53402-21), 24021453-022 (160-53402-22), 24021453-023 (160-53402-23), 24021453-024 (160-53402-24), 24021453-025 (160-53402-25), 24021453-026 (160-53402-26), 24021453-027 (160-53402-27) and 24021453-028 (160-53402-28) were analyzed for Combined Radium-226 and Radium-228. The samples were analyzed on 4/3/2024.

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# 24021453

Contact: Elizabeth Hurley | Email: ehurley@teklabinc.com
Requested Due Date: Standad TAT | Billing/PO: 35863 | 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	Ra226	Ra228
	24021453-001	3/4/24 1426	HNO3	Groundwater	☑	☑	☑
	24021453-002	3/4/24 1230	HNO3	Groundwater	☑	☑	☑
	24021453-003	3/4/24 1300	HNO3	Groundwater	☑	☑	☑
	24021453-004	3/4/24 1323	HNO3	Groundwater	☑	☑	☑
	24021453-005	3/4/24 1446	HNO3	Groundwater	☑	☑	☑
	24021453-006	3/5/24 1124	HNO3	Groundwater	☑	☑	☑
	24021453-007	3/5/24 1326	HNO3	Groundwater	☑	☑	☑
	24021453-008	3/4/24 1248	HNO3	Groundwater	☑	☐	☐
	24021453-009	3/5/24 1348	HNO3	Groundwater	☑	☑	☑
	24021453-010	Dry	HNO3	Groundwater	☑	☐	☐
	24021453-011	3/5/24 1023	HNO3	Groundwater	☑	☑	☑

160-53402 Chain of Custody

*Relinquished By	Date/Time	Received By	Date/Time
	3/7/24 1030		3/7/24 1030
	3/7/24 1125		3/7/24 1125

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# 24021453

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: 35863 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	Ra226	Ra228										
	24021453-012	3/5/24 1106	HNO3	Groundwater	✔	✔	✔										
	24021453-013	3/5/24 0932	HNO3	Groundwater	✔	✔	✔										
	24021453-014	3/5/24 1257	HNO3	Groundwater	✔	✔	✔										
	24021453-015	3/5/24 1048	HNO3	Groundwater	✔												
	24021453-016	3/4/24 1109	HNO3	Groundwater	✔												
	24021453-017	3/5/24 1008	HNO3	Groundwater	✔												
	24021453-018	3/5/24 1135	HNO3	Groundwater	✔												
	24021453-019	3/6/24 1123	HNO3	Groundwater	✔												
	24021453-020	3/6/24 1053	HNO3	Groundwater	✔												
	24021453-021	3/6/24 1125	HNO3	Groundwater	✔												
	24021453-022	3/4/24 1155	HNO3	Groundwater	✔												

*Relinquished By	Date/Time	Received By	Date/Time
	3/7/24 1030		3/7/24 1030
	3/7/24 1125		3/7/24 1125

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# 24021453

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: 35863 | 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	Ra226	Ra228									
	24021453-023	3/6/24 1153	HNO3	Groundwater	✔											
	24021453-024	3/6/24 0943	HNO3	Groundwater	✔											
	24021453-025	3/6/24 1004	HNO3	Groundwater	✔											
	24021453-026	3/6/24 1211	HNO3	Aqueous	✔	✔	✔									
	24021453-027	3/5/24 1348	HNO3	Groundwater	✔	✔	✔									
	24021453-028	3/6/24 1214	HNO3	Aqueous	✔	✔	✔									
			HNO3	Aqueous												
			HNO3	Aqueous												
			HNO3	Groundwater												
			HNO3	Groundwater												
			HNO3	Groundwater												

*Relinquished By	Date/Time	Received By	Date/Time
	3/7/24 1030		3/7/24 1030
	3/7/24 1125	Sina Wagner	3/7/24 1125

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SubCocRevA
3/2/2016

Login Sample Receipt Checklist

Client: TekLab, Inc

Job Number: 160-53402-1
SDG Number: 24021453

Login Number: 53402
List Number: 1
Creator: Worthington, Sierra M

List Source: Eurofins St. Louis

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Definitions/Glossary

Qualifiers

Rad

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

Glossary

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

Method Summary

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

Job ID: 160-53402-1
SDG: 24021453

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: 160-53402-1
SDG: 24021453

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
160-53402-1	24021453-001	Water	03/04/24 14:26	03/07/24 11:25
160-53402-2	24021453-002	Water	03/04/24 12:30	03/07/24 11:25
160-53402-3	24021453-003	Water	03/04/24 13:00	03/07/24 11:25
160-53402-4	24021453-004	Water	03/04/24 13:23	03/07/24 11:25
160-53402-5	24021453-005	Water	03/04/24 14:46	03/07/24 11:25
160-53402-6	24021453-006	Water	03/05/24 11:24	03/07/24 11:25
160-53402-7	24021453-007	Water	03/05/24 13:26	03/07/24 11:25
160-53402-8	24021453-008	Water	03/04/24 12:48	03/07/24 11:25
160-53402-9	24021453-009	Water	03/05/24 13:48	03/07/24 11:25
160-53402-11	24021453-011	Water	03/05/24 10:23	03/07/24 11:25
160-53402-12	24021453-012	Water	03/05/24 11:06	03/07/24 11:25
160-53402-13	24021453-013	Water	03/05/24 09:32	03/07/24 11:25
160-53402-14	24021453-014	Water	03/05/24 12:57	03/07/24 11:25
160-53402-15	24021453-015	Water	03/05/24 10:48	03/07/24 11:25
160-53402-16	24021453-016	Water	03/04/24 11:09	03/07/24 11:25
160-53402-17	24021453-017	Water	03/05/24 10:08	03/07/24 11:25
160-53402-18	24021453-018	Water	03/05/24 11:35	03/07/24 11:25
160-53402-19	24021453-019	Water	03/06/24 11:23	03/07/24 11:25
160-53402-20	24021453-020	Water	03/06/24 10:53	03/07/24 11:25
160-53402-21	24021453-021	Water	03/06/24 11:25	03/07/24 11:25
160-53402-22	24021453-022	Water	03/04/24 11:55	03/07/24 11:25
160-53402-23	24021453-023	Water	03/06/24 11:53	03/07/24 11:25
160-53402-24	24021453-024	Water	03/06/24 09:43	03/07/24 11:25
160-53402-25	24021453-025	Water	03/06/24 10:04	03/07/24 11:25
160-53402-26	24021453-026	Water	03/06/24 12:11	03/07/24 11:25
160-53402-27	24021453-027	Water	03/05/24 13:48	03/07/24 11:25
160-53402-28	24021453-028	Water	03/06/24 12:14	03/07/24 11:25

Client Sample Results

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

Job ID: 160-53402-1
SDG: 24021453

Client Sample ID: 24021453-001
Date Collected: 03/04/24 14:26
Date Received: 03/07/24 11:25

Lab Sample ID: 160-53402-1
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	0.0986	U	0.0865	0.0870	1.00	0.125	pCi/L	03/08/24 09:38	04/01/24 12:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*96.9*		*30 - 110*	*03/08/24 09:38*	*04/01/24 12:27*	*1*

Method: EPA 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	0.358	0.359	1.00	0.594	pCi/L	03/08/24 09:43	03/29/24 12:06	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*96.9*		*30 - 110*	*03/08/24 09:43*	*03/29/24 12:06*	*1*
Y Carrier	*79.6*		*30 - 110*	*03/08/24 09:43*	*03/29/24 12:06*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.387	U	0.368	0.369	5.00	0.594	pCi/L		04/03/24 11:00	1

Client Sample ID: 24021453-002
Date Collected: 03/04/24 12:30
Date Received: 03/07/24 11:25

Lab Sample ID: 160-53402-2
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	0.153	U	0.252	0.252	1.00	0.440	pCi/L	03/08/24 09:38	04/01/24 12:38	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*58.2*		*30 - 110*	*03/08/24 09:38*	*04/01/24 12:38*	*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	-0.139	U G	0.802	0.802	1.00	1.57	pCi/L	03/08/24 09:43	03/29/24 12:06	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*58.2*		*30 - 110*	*03/08/24 09:43*	*03/29/24 12:06*	*1*
Y Carrier	*80.7*		*30 - 110*	*03/08/24 09:43*	*03/29/24 12:06*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.153	U	0.841	0.841	5.00	1.57	pCi/L		04/03/24 11:47	1

Client Sample Results

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

Job ID: 160-53402-1
SDG: 24021453

Client Sample ID: 24021453-003
Date Collected: 03/04/24 13:00
Date Received: 03/07/24 11:25

Lab Sample ID: 160-53402-3
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	0.171	U	0.147	0.148	1.00	0.223	pCi/L	03/08/24 09:38	04/01/24 12:31	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*67.0*		*30 - 110*	*03/08/24 09:38*	*04/01/24 12:31*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.224	U	0.388	0.389	1.00	0.670	pCi/L	03/08/24 09:43	03/29/24 12:06	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*67.0*		*30 - 110*	*03/08/24 09:43*	*03/29/24 12:06*	*1*
Y Carrier	*78.5*		*30 - 110*	*03/08/24 09:43*	*03/29/24 12:06*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.395	U	0.415	0.416	5.00	0.670	pCi/L		04/03/24 11:47	1

Client Sample ID: 24021453-004
Date Collected: 03/04/24 13:23
Date Received: 03/07/24 11:25

Lab Sample ID: 160-53402-4
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	**0.220**		0.120	0.121	1.00	0.140	pCi/L	03/08/24 09:38	04/01/24 15:23	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.3*		*30 - 110*	*03/08/24 09:38*	*04/01/24 15:23*	*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	0.0950	U	0.285	0.285	1.00	0.513	pCi/L	03/08/24 09:43	03/29/24 12:06	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.3*		*30 - 110*	*03/08/24 09:43*	*03/29/24 12:06*	*1*
Y Carrier	*82.2*		*30 - 110*	*03/08/24 09:43*	*03/29/24 12:06*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.315	U	0.309	0.310	5.00	0.513	pCi/L		04/03/24 11:47	1

Client Sample Results

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

Job ID: 160-53402-1
SDG: 24021453

Client Sample ID: 24021453-005
Date Collected: 03/04/24 14:46
Date Received: 03/07/24 11:25

Lab Sample ID: 160-53402-5
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	0.262	U	0.288	0.289	1.00	0.466	pCi/L	03/08/24 09:38	04/01/24 15:23	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*74.2*		*30 - 110*	*03/08/24 09:38*	*04/01/24 15:23*	*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	1.08	U G	0.917	0.922	1.00	1.44	pCi/L	03/08/24 09:43	03/29/24 12:07	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*74.2*		*30 - 110*	*03/08/24 09:43*	*03/29/24 12:07*	*1*
Y Carrier	*80.4*		*30 - 110*	*03/08/24 09:43*	*03/29/24 12:07*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.34	U	0.961	0.966	5.00	1.44	pCi/L		04/03/24 11:47	1

Client Sample ID: 24021453-006
Date Collected: 03/05/24 11:24
Date Received: 03/07/24 11:25

Lab Sample ID: 160-53402-6
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	0.200	U	0.160	0.161	1.00	0.235	pCi/L	03/08/24 09:38	04/01/24 15:23	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*60.8*		*30 - 110*	*03/08/24 09:38*	*04/01/24 15:23*	*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	0.523	U	0.489	0.492	1.00	0.779	pCi/L	03/08/24 09:43	03/29/24 12:07	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*60.8*		*30 - 110*	*03/08/24 09:43*	*03/29/24 12:07*	*1*
Y Carrier	*84.1*		*30 - 110*	*03/08/24 09:43*	*03/29/24 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	0.724	U	0.515	0.518	5.00	0.779	pCi/L		04/03/24 11:47	1

Client Sample Results

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

Job ID: 160-53402-1
SDG: 24021453

Client Sample ID: 24021453-007
Date Collected: 03/05/24 13:26
Date Received: 03/07/24 11:25

Lab Sample ID: 160-53402-7
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	0.165		0.100	0.102	1.00	0.125	pCi/L	03/08/24 09:38	04/01/24 15:25	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*96.1*		*30 - 110*	*03/08/24 09:38*	*04/01/24 15:25*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.234	U	0.326	0.327	1.00	0.548	pCi/L	03/08/24 09:43	03/29/24 12:07	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*96.1*		*30 - 110*	*03/08/24 09:43*	*03/29/24 12:07*	*1*
Y Carrier	*74.0*		*30 - 110*	*03/08/24 09:43*	*03/29/24 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	0.399	U	0.341	0.343	5.00	0.548	pCi/L		04/03/24 11:47	1

Client Sample ID: 24021453-008
Date Collected: 03/04/24 12:48
Date Received: 03/07/24 11:25

Lab Sample ID: 160-53402-8
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	0.0949	U	0.122	0.122	1.00	0.203	pCi/L	03/08/24 09:38	04/01/24 15:26	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.6*		*30 - 110*	*03/08/24 09:38*	*04/01/24 15:26*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.513	U	0.453	0.455	1.00	0.715	pCi/L	03/08/24 09:43	03/29/24 12:07	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.6*		*30 - 110*	*03/08/24 09:43*	*03/29/24 12:07*	*1*
Y Carrier	*82.2*		*30 - 110*	*03/08/24 09:43*	*03/29/24 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	0.608	U	0.469	0.471	5.00	0.715	pCi/L		04/03/24 11:47	1

Client Sample Results

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

Job ID: 160-53402-1
SDG: 24021453

Client Sample ID: 24021453-009
Date Collected: 03/05/24 13:48
Date Received: 03/07/24 11:25

Lab Sample ID: 160-53402-9
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	0.0836	U	0.0867	0.0871	1.00	0.136	pCi/L	03/08/24 09:38	04/01/24 15:26	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.3*		*30 - 110*	*03/08/24 09:38*	*04/01/24 15:26*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.171	U	0.311	0.311	1.00	0.535	pCi/L	03/08/24 09:43	03/29/24 12:07	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.3*		*30 - 110*	*03/08/24 09:43*	*03/29/24 12:07*	*1*
Y Carrier	*83.7*		*30 - 110*	*03/08/24 09:43*	*03/29/24 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	0.255	U	0.323	0.323	5.00	0.535	pCi/L		04/03/24 11:47	1

Client Sample ID: 24021453-011
Date Collected: 03/05/24 10:23
Date Received: 03/07/24 11:25

Lab Sample ID: 160-53402-11
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	0.138	U	0.144	0.145	1.00	0.227	pCi/L	03/08/24 09:38	04/01/24 15:26	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*75.5*		*30 - 110*	*03/08/24 09:38*	*04/01/24 15:26*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.771	U	0.558	0.563	1.00	0.844	pCi/L	03/08/24 09:43	03/29/24 12:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*75.5*		*30 - 110*	*03/08/24 09:43*	*03/29/24 12:08*	*1*
Y Carrier	*81.5*		*30 - 110*	*03/08/24 09:43*	*03/29/24 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	**0.909**		0.576	0.581	5.00	0.844	pCi/L		04/03/24 11:47	1

Client Sample Results

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

Job ID: 160-53402-1
SDG: 24021453

Client Sample ID: 24021453-012
Date Collected: 03/05/24 11:06
Date Received: 03/07/24 11:25

Lab Sample ID: 160-53402-12
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	0.197	U	0.196	0.196	1.00	0.298	pCi/L	03/08/24 09:38	04/01/24 15:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*46.4*		*30 - 110*	*03/08/24 09:38*	*04/01/24 15:27*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**1.49**	**G**	0.972	0.982	1.00	1.44	pCi/L	03/08/24 09:43	03/29/24 12:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*46.4*		*30 - 110*	*03/08/24 09:43*	*03/29/24 12:08*	*1*
Y Carrier	*79.3*		*30 - 110*	*03/08/24 09:43*	*03/29/24 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	**1.68**		0.992	1.00	5.00	1.44	pCi/L		04/03/24 11:47	1

Client Sample ID: 24021453-013
Date Collected: 03/05/24 09:32
Date Received: 03/07/24 11:25

Lab Sample ID: 160-53402-13
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	**0.208**		0.111	0.112	1.00	0.125	pCi/L	03/08/24 09:38	04/01/24 15:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.3*		*30 - 110*	*03/08/24 09:38*	*04/01/24 15:27*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.352	U	0.342	0.343	1.00	0.548	pCi/L	03/08/24 09:43	03/29/24 12:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.3*		*30 - 110*	*03/08/24 09:43*	*03/29/24 12:08*	*1*
Y Carrier	*80.4*		*30 - 110*	*03/08/24 09:43*	*03/29/24 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	**0.560**		0.360	0.361	5.00	0.548	pCi/L		04/03/24 11:47	1

Client Sample Results

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

Job ID: 160-53402-1
SDG: 24021453

Client Sample ID: 24021453-014
Date Collected: 03/05/24 12:57
Date Received: 03/07/24 11:25

Lab Sample ID: 160-53402-14
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	0.299		0.122	0.125	1.00	0.119	pCi/L	03/08/24 09:38	04/01/24 15:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*103*		*30 - 110*	*03/08/24 09:38*	*04/01/24 15:27*	*1*

Method: EPA 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		0.296	0.299	1.00	0.437	pCi/L	03/08/24 09:43	03/29/24 12:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*103*		*30 - 110*	*03/08/24 09:43*	*03/29/24 12:08*	*1*
Y Carrier	*82.2*		*30 - 110*	*03/08/24 09:43*	*03/29/24 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	0.742		0.320	0.324	5.00	0.437	pCi/L		04/03/24 11:47	1

Client Sample ID: 24021453-015
Date Collected: 03/05/24 10:48
Date Received: 03/07/24 11:25

Lab Sample ID: 160-53402-15
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	0.102	U	0.118	0.119	1.00	0.194	pCi/L	03/08/24 09:38	04/01/24 15:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*98.2*		*30 - 110*	*03/08/24 09:38*	*04/01/24 15:27*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.251	U	0.280	0.281	1.00	0.458	pCi/L	03/08/24 09:43	03/29/24 12:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*98.2*		*30 - 110*	*03/08/24 09:43*	*03/29/24 12:08*	*1*
Y Carrier	*83.4*		*30 - 110*	*03/08/24 09:43*	*03/29/24 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	0.354	U	0.304	0.305	5.00	0.458	pCi/L		04/03/24 11:47	1

Client Sample Results

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

Job ID: 160-53402-1
SDG: 24021453

Client Sample ID: 24021453-016
Date Collected: 03/04/24 11:09
Date Received: 03/07/24 11:25

Lab Sample ID: 160-53402-16
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	0.112	U	0.0973	0.0978	1.00	0.146	pCi/L	03/08/24 09:38	04/01/24 15:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*102*		*30 - 110*	*03/08/24 09:38*	*04/01/24 15:27*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.392	U	0.320	0.322	1.00	0.498	pCi/L	03/08/24 09:43	03/29/24 12:09	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*102*		*30 - 110*	*03/08/24 09:43*	*03/29/24 12:09*	*1*
Y Carrier	*83.7*		*30 - 110*	*03/08/24 09:43*	*03/29/24 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	**0.505**		0.334	0.337	5.00	0.498	pCi/L		04/03/24 11:47	1

Client Sample ID: 24021453-017
Date Collected: 03/05/24 10:08
Date Received: 03/07/24 11:25

Lab Sample ID: 160-53402-17
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	-0.00701	U	0.0919	0.0919	1.00	0.189	pCi/L	03/08/24 09:38	04/01/24 15:32	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*104*		*30 - 110*	*03/08/24 09:38*	*04/01/24 15:32*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.690**		0.331	0.337	1.00	0.446	pCi/L	03/08/24 09:43	03/29/24 12:09	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*104*		*30 - 110*	*03/08/24 09:43*	*03/29/24 12:09*	*1*
Y Carrier	*83.0*		*30 - 110*	*03/08/24 09:43*	*03/29/24 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	**0.690**		0.344	0.349	5.00	0.446	pCi/L		04/03/24 11:47	1

Client Sample Results

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

Job ID: 160-53402-1
SDG: 24021453

Client Sample ID: 24021453-018
Date Collected: 03/05/24 11:35
Date Received: 03/07/24 11:25

Lab Sample ID: 160-53402-18
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	0.192	U	0.155	0.156	1.00	0.233	pCi/L	03/08/24 09:38	04/01/24 15:32	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.8*		*30 - 110*	*03/08/24 09:38*	*04/01/24 15:32*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**1.04**		0.506	0.515	1.00	0.680	pCi/L	03/08/24 09:43	03/29/24 12:09	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.8*		*30 - 110*	*03/08/24 09:43*	*03/29/24 12:09*	*1*
Y Carrier	*78.1*		*30 - 110*	*03/08/24 09:43*	*03/29/24 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	**1.23**		0.529	0.538	5.00	0.680	pCi/L		04/03/24 11:47	1

Client Sample ID: 24021453-019
Date Collected: 03/06/24 11:23
Date Received: 03/07/24 11:25

Lab Sample ID: 160-53402-19
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	0.0158	U	0.0850	0.0850	1.00	0.163	pCi/L	03/08/24 09:38	04/01/24 15:32	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*100*		*30 - 110*	*03/08/24 09:38*	*04/01/24 15:32*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.773**		0.341	0.348	1.00	0.449	pCi/L	03/08/24 09:43	03/29/24 12:09	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*100*		*30 - 110*	*03/08/24 09:43*	*03/29/24 12:09*	*1*
Y Carrier	*88.2*		*30 - 110*	*03/08/24 09:43*	*03/29/24 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	**0.789**		0.351	0.358	5.00	0.449	pCi/L		04/03/24 11:47	1

Client Sample Results

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

Job ID: 160-53402-1
SDG: 24021453

Client Sample ID: 24021453-020
Date Collected: 03/06/24 10:53
Date Received: 03/07/24 11:25

Lab Sample ID: 160-53402-20
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	0.298		0.131	0.134	1.00	0.149	pCi/L	03/08/24 09:38	04/01/24 15:32	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	101		30 - 110	03/08/24 09:38	04/01/24 15:32	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.22		0.437	0.451	1.00	0.547	pCi/L	03/08/24 09:43	03/29/24 12:09	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	101		30 - 110	03/08/24 09:43	03/29/24 12:09	1
Y Carrier	79.6		30 - 110	03/08/24 09:43	03/29/24 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	1.52		0.456	0.470	5.00	0.547	pCi/L		04/03/24 11:47	1

Client Sample ID: 24021453-021
Date Collected: 03/06/24 11:25
Date Received: 03/07/24 11:25

Lab Sample ID: 160-53402-21
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	0.289		0.129	0.132	1.00	0.149	pCi/L	03/08/24 09:38	04/01/24 15:32	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	99.7		30 - 110	03/08/24 09:38	04/01/24 15:32	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.15		0.385	0.399	1.00	0.450	pCi/L	03/08/24 09:43	03/29/24 12:10	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	99.7		30 - 110	03/08/24 09:43	03/29/24 12:10	1
Y Carrier	84.5		30 - 110	03/08/24 09:43	03/29/24 12:10	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.44		0.406	0.420	5.00	0.450	pCi/L		04/03/24 11:47	1

Client Sample Results

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

Job ID: 160-53402-1
SDG: 24021453

Client Sample ID: 24021453-022
Date Collected: 03/04/24 11:55
Date Received: 03/07/24 11:25

Lab Sample ID: 160-53402-22
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	0.234		0.149	0.151	1.00	0.210	pCi/L	03/08/24 09:49	04/02/24 10:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*75.5*		*30 - 110*	*03/08/24 09:49*	*04/02/24 10:04*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.04		0.578	0.586	1.00	0.820	pCi/L	03/08/24 09:58	03/29/24 12:10	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*75.5*		*30 - 110*	*03/08/24 09:58*	*03/29/24 12:10*	*1*
Y Carrier	*64.7*		*30 - 110*	*03/08/24 09:58*	*03/29/24 12:10*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.28		0.597	0.605	5.00	0.820	pCi/L		04/03/24 11:47	1

Client Sample ID: 24021453-023
Date Collected: 03/06/24 11:53
Date Received: 03/07/24 11:25

Lab Sample ID: 160-53402-23
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	0.0768	U	0.0998	0.100	1.00	0.166	pCi/L	03/08/24 09:49	04/02/24 10:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.3*		*30 - 110*	*03/08/24 09:49*	*04/02/24 10:04*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.35		0.520	0.534	1.00	0.669	pCi/L	03/08/24 09:58	03/29/24 12:10	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.3*		*30 - 110*	*03/08/24 09:58*	*03/29/24 12:10*	*1*
Y Carrier	*78.1*		*30 - 110*	*03/08/24 09:58*	*03/29/24 12:10*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.42		0.529	0.543	5.00	0.669	pCi/L		04/03/24 11:47	1

Client Sample Results

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

Job ID: 160-53402-1
SDG: 24021453

Client Sample ID: 24021453-024
Date Collected: 03/06/24 09:43
Date Received: 03/07/24 11:25

Lab Sample ID: 160-53402-24
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	0.110	U	0.280	0.280	1.00	0.538	pCi/L	03/08/24 09:49	04/02/24 10:05	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*32.5*		*30 - 110*	*03/08/24 09:49*	*04/02/24 10:05*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	2.52	U G	2.12	2.13	1.00	3.33	pCi/L	03/08/24 09:58	03/29/24 12:11	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*32.5*		*30 - 110*	*03/08/24 09:58*	*03/29/24 12:11*	*1*
Y Carrier	*81.9*		*30 - 110*	*03/08/24 09:58*	*03/29/24 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	2.63	U	2.14	2.15	5.00	3.33	pCi/L		04/03/24 11:47	1

Client Sample ID: 24021453-025
Date Collected: 03/06/24 10:04
Date Received: 03/07/24 11:25

Lab Sample ID: 160-53402-25
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	**0.328**		0.143	0.146	1.00	0.160	pCi/L	03/08/24 09:49	04/02/24 10:05	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.2*		*30 - 110*	*03/08/24 09:49*	*04/02/24 10:05*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**1.46**		0.591	0.606	1.00	0.752	pCi/L	03/08/24 09:58	03/29/24 12:11	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.2*		*30 - 110*	*03/08/24 09:58*	*03/29/24 12:11*	*1*
Y Carrier	*64.3*		*30 - 110*	*03/08/24 09:58*	*03/29/24 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	**1.79**		0.608	0.623	5.00	0.752	pCi/L		04/03/24 11:47	1

Client Sample Results

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

Job ID: 160-53402-1
SDG: 24021453

Client Sample ID: 24021453-026
Date Collected: 03/06/24 12:11
Date Received: 03/07/24 11:25

Lab Sample ID: 160-53402-26
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	0.0119	U	0.0712	0.0712	1.00	0.143	pCi/L	03/08/24 09:49	04/02/24 10:05	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.2*		*30 - 110*	*03/08/24 09:49*	*04/02/24 10:05*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.453	U	0.385	0.387	1.00	0.604	pCi/L	03/08/24 09:58	03/29/24 12:11	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.2*		*30 - 110*	*03/08/24 09:58*	*03/29/24 12:11*	*1*
Y Carrier	*83.4*		*30 - 110*	*03/08/24 09:58*	*03/29/24 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	0.465	U	0.392	0.393	5.00	0.604	pCi/L		04/03/24 11:47	1

Client Sample ID: 24021453-027
Date Collected: 03/05/24 13:48
Date Received: 03/07/24 11:25

Lab Sample ID: 160-53402-27
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	0.0263	U	0.0604	0.0604	1.00	0.113	pCi/L	03/08/24 09:49	04/02/24 10:06	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.5*		*30 - 110*	*03/08/24 09:49*	*04/02/24 10:06*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.721**		0.399	0.404	1.00	0.566	pCi/L	03/08/24 09:58	03/29/24 12:11	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.5*		*30 - 110*	*03/08/24 09:58*	*03/29/24 12:11*	*1*
Y Carrier	*77.0*		*30 - 110*	*03/08/24 09:58*	*03/29/24 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	**0.747**		0.404	0.408	5.00	0.566	pCi/L		04/03/24 11:47	1

Client Sample Results

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

Job ID: 160-53402-1
SDG: 24021453

Client Sample ID: 24021453-028
Date Collected: 03/06/24 12:14
Date Received: 03/07/24 11:25

Lab Sample ID: 160-53402-28
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	0.0316	U	0.0652	0.0653	1.00	0.120	pCi/L	03/08/24 09:49	04/02/24 10:06	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.4*		*30 - 110*	*03/08/24 09:49*	*04/02/24 10:06*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.459	U	0.353	0.356	1.00	0.540	pCi/L	03/08/24 09:58	03/29/24 12:11	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.4*		*30 - 110*	*03/08/24 09:58*	*03/29/24 12:11*	*1*
Y Carrier	*81.9*		*30 - 110*	*03/08/24 09:58*	*03/29/24 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	0.490	U	0.359	0.362	5.00	0.540	pCi/L		04/03/24 11:47	1

QC Sample Results

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

Job ID: 160-53402-1
SDG: 24021453

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-651630/1-A
Matrix: Water
Analysis Batch: 654861

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 651630

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.07329	U	0.0953	0.0955	1.00	0.159	pCi/L	03/08/24 09:38	04/01/24 12:25	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*98.5*		*30 - 110*	*03/08/24 09:38*	*04/01/24 12:25*	*1*

Lab Sample ID: LCS 160-651630/2-A
Matrix: Water
Analysis Batch: 654861

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 651630

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226	11.3	10.52		1.15	1.00	0.123	pCi/L	93	75 - 125

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*101*		*30 - 110*

Lab Sample ID: 160-53402-7 DU
Matrix: Water
Analysis Batch: 654947

Client Sample ID: 24021453-007
Prep Type: Total/NA
Prep Batch: 651630

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Radium-226	0.165		0.2097		0.120	1.00	0.153	pCi/L	0.20	1

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
Ba Carrier	*89.7*		*30 - 110*

Lab Sample ID: MB 160-651632/1-A
Matrix: Water
Analysis Batch: 654947

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 651632

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.02020	U	0.0629	0.0629	1.00	0.123	pCi/L	03/08/24 09:49	04/02/24 10:04	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.4*		*30 - 110*	*03/08/24 09:49*	*04/02/24 10:04*	*1*

Lab Sample ID: LCS 160-651632/2-A
Matrix: Water
Analysis Batch: 654947

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 651632

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226	11.3	10.27		1.12	1.00	0.132	pCi/L	91	75 - 125

QC Sample Results

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

Job ID: 160-53402-1
SDG: 24021453

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

Lab Sample ID: LCS 160-651632/2-A
Matrix: Water
Analysis Batch: 654947

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 651632

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	95.4		30 - 110

Lab Sample ID: 160-53402-23 DU
Matrix: Water
Analysis Batch: 654947

Client Sample ID: 24021453-023
Prep Type: Total/NA
Prep Batch: 651632

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Radium-226	0.0768	U	0.02614	U	0.0635	1.00	0.119	pCi/L	0.31	1

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	95.9		30 - 110

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-651631/1-A
Matrix: Water
Analysis Batch: 654565

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 651631

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.3945	U	0.303	0.305	1.00	0.461	pCi/L	03/08/24 09:43	03/29/24 12:06	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	98.5		30 - 110	03/08/24 09:43	03/29/24 12:06	1
Y Carrier	81.9		30 - 110	03/08/24 09:43	03/29/24 12:06	1

Lab Sample ID: LCS 160-651631/2-A
Matrix: Water
Analysis Batch: 654565

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 651631

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228	9.08	9.034		1.24	1.00	0.494	pCi/L	99	75 - 125

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	101		30 - 110
Y Carrier	76.6		30 - 110

Lab Sample ID: 160-53402-7 DU
Matrix: Water
Analysis Batch: 654565

Client Sample ID: 24021453-007
Prep Type: Total/NA
Prep Batch: 651631

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Radium-228	0.234	U	0.2717	U	0.332	1.00	0.547	pCi/L	0.06	1

QC Sample Results

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

Job ID: 160-53402-1
SDG: 24021453

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

Lab Sample ID: 160-53402-7 DU
Matrix: Water
Analysis Batch: 654565

Client Sample ID: 24021453-007
Prep Type: Total/NA
Prep Batch: 651631

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	89.7		30 - 110
Y Carrier	78.1		30 - 110

Lab Sample ID: MB 160-651633/1-A
Matrix: Water
Analysis Batch: 654534

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 651633

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.5203		0.333	0.337	1.00	0.481	pCi/L	03/08/24 09:58	03/29/24 12:10	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	89.4		30 - 110	03/08/24 09:58	03/29/24 12:10	1
Y Carrier	82.2		30 - 110	03/08/24 09:58	03/29/24 12:10	1

Lab Sample ID: LCS 160-651633/2-A
Matrix: Water
Analysis Batch: 654534

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 651633

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228	9.08	10.94		1.42	1.00	0.472	pCi/L	121	75 - 125

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	95.4		30 - 110
Y Carrier	81.9		30 - 110

Lab Sample ID: 160-53402-23 DU
Matrix: Water
Analysis Batch: 654534

Client Sample ID: 24021453-023
Prep Type: Total/NA
Prep Batch: 651633

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Radium-228	1.35		0.7309		0.452	1.00	0.666	pCi/L	0.63	1

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	95.9		30 - 110
Y Carrier	78.1		30 - 110

QC Association Summary

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

Job ID: 160-53402-1
SDG: 24021453

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Prep Batch: 651630

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-53402-1	24021453-001	Total/NA	Water	PrecSep-21	
160-53402-2	24021453-002	Total/NA	Water	PrecSep-21	
160-53402-3	24021453-003	Total/NA	Water	PrecSep-21	
160-53402-4	24021453-004	Total/NA	Water	PrecSep-21	
160-53402-5	24021453-005	Total/NA	Water	PrecSep-21	
160-53402-6	24021453-006	Total/NA	Water	PrecSep-21	
160-53402-7	24021453-007	Total/NA	Water	PrecSep-21	
160-53402-8	24021453-008	Total/NA	Water	PrecSep-21	
160-53402-9	24021453-009	Total/NA	Water	PrecSep-21	
160-53402-11	24021453-011	Total/NA	Water	PrecSep-21	
160-53402-12	24021453-012	Total/NA	Water	PrecSep-21	
160-53402-13	24021453-013	Total/NA	Water	PrecSep-21	
160-53402-14	24021453-014	Total/NA	Water	PrecSep-21	
160-53402-15	24021453-015	Total/NA	Water	PrecSep-21	
160-53402-16	24021453-016	Total/NA	Water	PrecSep-21	
160-53402-17	24021453-017	Total/NA	Water	PrecSep-21	
160-53402-18	24021453-018	Total/NA	Water	PrecSep-21	
160-53402-19	24021453-019	Total/NA	Water	PrecSep-21	
160-53402-20	24021453-020	Total/NA	Water	PrecSep-21	
160-53402-21	24021453-021	Total/NA	Water	PrecSep-21	
MB 160-651630/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-651630/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
160-53402-7 DU	24021453-007	Total/NA	Water	PrecSep-21	

Prep Batch: 651631

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-53402-1	24021453-001	Total/NA	Water	PrecSep_0	
160-53402-2	24021453-002	Total/NA	Water	PrecSep_0	
160-53402-3	24021453-003	Total/NA	Water	PrecSep_0	
160-53402-4	24021453-004	Total/NA	Water	PrecSep_0	
160-53402-5	24021453-005	Total/NA	Water	PrecSep_0	
160-53402-6	24021453-006	Total/NA	Water	PrecSep_0	
160-53402-7	24021453-007	Total/NA	Water	PrecSep_0	
160-53402-8	24021453-008	Total/NA	Water	PrecSep_0	
160-53402-9	24021453-009	Total/NA	Water	PrecSep_0	
160-53402-11	24021453-011	Total/NA	Water	PrecSep_0	
160-53402-12	24021453-012	Total/NA	Water	PrecSep_0	
160-53402-13	24021453-013	Total/NA	Water	PrecSep_0	
160-53402-14	24021453-014	Total/NA	Water	PrecSep_0	
160-53402-15	24021453-015	Total/NA	Water	PrecSep_0	
160-53402-16	24021453-016	Total/NA	Water	PrecSep_0	
160-53402-17	24021453-017	Total/NA	Water	PrecSep_0	
160-53402-18	24021453-018	Total/NA	Water	PrecSep_0	
160-53402-19	24021453-019	Total/NA	Water	PrecSep_0	
160-53402-20	24021453-020	Total/NA	Water	PrecSep_0	
160-53402-21	24021453-021	Total/NA	Water	PrecSep_0	
MB 160-651631/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-651631/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
160-53402-7 DU	24021453-007	Total/NA	Water	PrecSep_0	

QC Association Summary

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

Job ID: 160-53402-1
SDG: 24021453

Rad

Prep Batch: 651632

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-53402-22	24021453-022	Total/NA	Water	PrecSep-21	
160-53402-23	24021453-023	Total/NA	Water	PrecSep-21	
160-53402-24	24021453-024	Total/NA	Water	PrecSep-21	
160-53402-25	24021453-025	Total/NA	Water	PrecSep-21	
160-53402-26	24021453-026	Total/NA	Water	PrecSep-21	
160-53402-27	24021453-027	Total/NA	Water	PrecSep-21	
160-53402-28	24021453-028	Total/NA	Water	PrecSep-21	
MB 160-651632/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-651632/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
160-53402-23 DU	24021453-023	Total/NA	Water	PrecSep-21	

Prep Batch: 651633

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-53402-22	24021453-022	Total/NA	Water	PrecSep_0	
160-53402-23	24021453-023	Total/NA	Water	PrecSep_0	
160-53402-24	24021453-024	Total/NA	Water	PrecSep_0	
160-53402-25	24021453-025	Total/NA	Water	PrecSep_0	
160-53402-26	24021453-026	Total/NA	Water	PrecSep_0	
160-53402-27	24021453-027	Total/NA	Water	PrecSep_0	
160-53402-28	24021453-028	Total/NA	Water	PrecSep_0	
MB 160-651633/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-651633/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
160-53402-23 DU	24021453-023	Total/NA	Water	PrecSep_0	

Tracer/Carrier Summary

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

Job ID: 160-53402-1
SDG: 24021453

Method: 903.0 - Radium-226 (GFPC)

Matrix: Water — **Prep Type: Total/NA**

		Percent Yield (Acceptance Limits)
		Ba
Lab Sample ID	Client Sample ID	(30-110)
160-53402-1	24021453-001	96.9
160-53402-2	24021453-002	58.2
160-53402-3	24021453-003	67.0
160-53402-4	24021453-004	85.3
160-53402-5	24021453-005	74.2
160-53402-6	24021453-006	60.8
160-53402-7	24021453-007	96.1
160-53402-7 DU	24021453-007	89.7
160-53402-8	24021453-008	95.6
160-53402-9	24021453-009	94.3
160-53402-11	24021453-011	75.5
160-53402-12	24021453-012	46.4
160-53402-13	24021453-013	94.3
160-53402-14	24021453-014	103
160-53402-15	24021453-015	98.2
160-53402-16	24021453-016	102
160-53402-17	24021453-017	104
160-53402-18	24021453-018	92.8
160-53402-19	24021453-019	100
160-53402-20	24021453-020	101
160-53402-21	24021453-021	99.7
160-53402-22	24021453-022	75.5
160-53402-23	24021453-023	85.3
160-53402-23 DU	24021453-023	95.9
160-53402-24	24021453-024	32.5
160-53402-25	24021453-025	80.2
160-53402-26	24021453-026	83.2
160-53402-27	24021453-027	92.5
160-53402-28	24021453-028	88.4
LCS 160-651630/2-A	Lab Control Sample	101
LCS 160-651632/2-A	Lab Control Sample	95.4
MB 160-651630/1-A	Method Blank	98.5
MB 160-651632/1-A	Method Blank	89.4

Tracer/Carrier Legend

Ba = Ba Carrier

Method: 904.0 - Radium-228 (GFPC)

Matrix: Water — **Prep Type: Total/NA**

		Percent Yield (Acceptance Limits)	
		Ba	Y
Lab Sample ID	Client Sample ID	(30-110)	(30-110)
160-53402-1	24021453-001	96.9	79.6
160-53402-2	24021453-002	58.2	80.7
160-53402-3	24021453-003	67.0	78.5
160-53402-4	24021453-004	85.3	82.2
160-53402-5	24021453-005	74.2	80.4
160-53402-6	24021453-006	60.8	84.1
160-53402-7	24021453-007	96.1	74.0

Tracer/Carrier Summary

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

Job ID: 160-53402-1
SDG: 24021453

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)
160-53402-7 DU	24021453-007	89.7	78.1
160-53402-8	24021453-008	95.6	82.2
160-53402-9	24021453-009	94.3	83.7
160-53402-11	24021453-011	75.5	81.5
160-53402-12	24021453-012	46.4	79.3
160-53402-13	24021453-013	94.3	80.4
160-53402-14	24021453-014	103	82.2
160-53402-15	24021453-015	98.2	83.4
160-53402-16	24021453-016	102	83.7
160-53402-17	24021453-017	104	83.0
160-53402-18	24021453-018	92.8	78.1
160-53402-19	24021453-019	100	88.2
160-53402-20	24021453-020	101	79.6
160-53402-21	24021453-021	99.7	84.5
160-53402-22	24021453-022	75.5	64.7
160-53402-23	24021453-023	85.3	78.1
160-53402-23 DU	24021453-023	95.9	78.1
160-53402-24	24021453-024	32.5	81.9
160-53402-25	24021453-025	80.2	64.3
160-53402-26	24021453-026	83.2	83.4
160-53402-27	24021453-027	92.5	77.0
160-53402-28	24021453-028	88.4	81.9
LCS 160-651631/2-A	Lab Control Sample	101	76.6
LCS 160-651633/2-A	Lab Control Sample	95.4	81.9
MB 160-651631/1-A	Method Blank	98.5	81.9
MB 160-651633/1-A	Method Blank	89.4	82.2

Tracer/Carrier Legend

Ba = Ba Carrier
Y = Y Carrier

Teklab, Inc.
Environmental Laboratory

http://www.teklabinc.com/

June 11, 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: KIN-24Q2 **WorkOrder:** 24050124

Dear Eric Bauer:

TEKLAB, INC received 27 samples for KIN_257_141 on 5/21/2024 2:15:00 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: 24050124
Client Project: KIN-24Q2
Report Date: 11-Jun-24

This reporting package includes the following:

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Definitions

Client: Ramboll **Work Order:** 24050124

Client Project: KIN-24Q2 **Report Date:** 11-Jun-24

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

Definitions

Client: Ramboll **Work Order:** 24050124

Client Project: KIN-24Q2 **Report Date:** 11-Jun-24

Qualifiers

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

Teklab, Inc. Environmental Laboratory

Case Narrative

Client: Ramboll
Work Order: 24050124
Client Project: KIN-24Q2
Report Date: 11-Jun-24

Cooler Receipt Temp: 8.7 °C

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

MW-08S could not be collected; the well was dry. Equipment Blanks 2 and 3 were not needed.

MW-30 collection time per field file(s). FB/EAH 5/22/24

MW-27 collection time per field file(s). FB/EAH 5/31/24

Date/time of measurement for MW-08S, XSG-01, YSG-02, and YSG-03 depths per field file. EAH 6/6/24

Per Eric Bauer's request, only KIN_257_141 data is included in this report. EAH 6/11/24

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:** 24050124

Client Project: KIN-24Q2 **Report Date:** 11-Jun-24

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2025	Collinsville
Illinois	IEPA	1004652024-2	NELAP	4/30/2025	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2025	Collinsville
Louisiana	LDEQ	05002	NELAP	6/30/2024	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2024	Collinsville
Oklahoma	ODEQ	9978	NELAP	8/31/2024	Collinsville
Arkansas	ADEQ	88-0966		3/14/2025	Collinsville
Illinois	IDPH	17584		5/31/2025	Collinsville
Iowa	IDNR	430		6/1/2026	Collinsville
Kentucky	UST	0073		1/31/2025	Collinsville
Mississippi	MSDH			4/30/2025	Collinsville
Missouri	MDNR	930		1/31/2025	Collinsville
Missouri	MDNR	00930		10/31/2026	Collinsville

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24050124

Client Project: KIN-24Q2 **Report Date:** 11-Jun-24

Lab ID: 24050124-001 **Client Sample ID:** MW-01

Matrix: GROUNDWATER **Collection Date:** 05/20/2024 13:12

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**15.48**	ft	1	05/20/2024 13:12	R347671
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**5.1**	NTU	1	05/20/2024 13:12	R347671
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**132**	mV	1	05/20/2024 13:12	R347671
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**544**	µS/cm	1	05/20/2024 13:12	R347671
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**16.4**	°C	1	05/20/2024 13:12	R347671
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.10**	mg/L	1	05/20/2024 13:12	R347671
SW-846 9040B FIELD									
pH	*	0	1.00		**6.48**		1	05/20/2024 13:12	R347671
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**177**	mg/L	1	05/21/2024 13:45	R347649
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	05/21/2024 13:45	R347649
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**895**	mg/L	2.5	05/23/2024 9:42	R347839
SW-846 9036 (TOTAL)									
Sulfate	NELAP	31	50		**91**	mg/L	5	05/24/2024 21:13	R347894
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.19**	mg/L	1	05/21/2024 10:15	R347625
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**16**	mg/L	1	05/24/2024 21:08	R347900
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**58.6**	mg/L	1	05/22/2024 19:38	223268
Magnesium	NELAP	0.0055	0.0500		**31.4**	mg/L	1	05/23/2024 11:35	223268
Potassium	NELAP	0.0400	0.100		**1.08**	mg/L	1	05/22/2024 19:38	223268
Sodium	NELAP	0.0180	0.0500		**15.6**	mg/L	1	05/22/2024 19:38	223268
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**0.0013**	mg/L	5	05/28/2024 10:41	223268
Arsenic	NELAP	0.0004	0.0010		**0.0020**	mg/L	5	05/23/2024 11:21	223268
Barium	NELAP	0.0007	0.0010		**0.103**	mg/L	5	05/24/2024 10:41	223268
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	05/23/2024 11:21	223268
Boron	NELAP	0.0092	0.0250		**0.272**	mg/L	5	05/23/2024 11:21	223268
Cadmium	*	0.0002	0.0010		**< 0.0010**	mg/L	5	06/04/2024 18:58	223769
Chromium	NELAP	0.0007	0.0015		**0.0097**	mg/L	5	05/23/2024 11:21	223268
Cobalt	NELAP	0.0001	0.0010		**0.0026**	mg/L	5	06/04/2024 18:58	223769
Lead	NELAP	0.0006	0.0010		**0.0025**	mg/L	5	06/04/2024 18:58	223769
Lithium	*	0.0015	0.0030		**0.0040**	mg/L	5	05/23/2024 11:21	223268
Molybdenum	NELAP	0.0006	0.0015		**0.0019**	mg/L	5	06/05/2024 9:23	223769
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	06/04/2024 18:58	223769
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	05/23/2024 11:21	223268

Laboratory Results

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

Client: Ramboll **Work Order:** 24050124

Client Project: KIN-24Q2 **Report Date:** 11-Jun-24

Lab ID: 24050124-001 **Client Sample ID:** MW-01

Matrix: GROUNDWATER **Collection Date:** 05/20/2024 13:12

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	05/28/2024 21:36	223499

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24050124

Client Project: KIN-24Q2 **Report Date:** 11-Jun-24

Lab ID: 24050124-002 **Client Sample ID:** MW-02

Matrix: GROUNDWATER **Collection Date:** 05/20/2024 10:02

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**7.31**	ft	1	05/20/2024 10:02	R347671
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**49**	NTU	1	05/20/2024 10:02	R347671
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**35**	mV	1	05/20/2024 10:02	R347671
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**485**	µS/cm	1	05/20/2024 10:02	R347671
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**15.7**	°C	1	05/20/2024 10:02	R347671
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.28**	mg/L	1	05/20/2024 10:02	R347671
SW-846 9040B FIELD									
pH	*	0	1.00		**7.21**		1	05/20/2024 10:02	R347671
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**248**	mg/L	1	05/21/2024 13:50	R347649
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	05/21/2024 13:50	R347649
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**504**	mg/L	1	05/23/2024 9:42	R347839
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**149**	mg/L	10	05/24/2024 21:21	R347894
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.47**	mg/L	1	05/21/2024 10:17	R347625
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**17**	mg/L	1	05/24/2024 21:16	R347900
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**90.0**	mg/L	1	05/22/2024 19:42	223268
Magnesium	NELAP	0.0055	0.0500		**35.2**	mg/L	1	05/23/2024 11:35	223268
Potassium	NELAP	0.0400	0.100		**1.45**	mg/L	1	05/22/2024 19:42	223268
Sodium	NELAP	0.0180	0.0500		**25.6**	mg/L	1	05/22/2024 19:42	223268
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0007	0.0010		**< 0.0010**	mg/L	5	05/23/2024 11:27	223268
Arsenic	NELAP	0.0004	0.0010		**0.0012**	mg/L	5	05/23/2024 11:27	223268
Barium	NELAP	0.0007	0.0010		**0.108**	mg/L	5	05/24/2024 10:47	223268
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	05/23/2024 11:27	223268
Boron	NELAP	0.0092	0.0250		**0.0488**	mg/L	5	05/23/2024 11:27	223268
Cadmium	*	0.0002	0.0010		**< 0.0010**	mg/L	5	05/23/2024 11:27	223268
Chromium	NELAP	0.0007	0.0015		**0.0015**	mg/L	5	05/23/2024 11:27	223268
Cobalt	NELAP	0.0001	0.0010	J	**0.0004**	mg/L	5	05/23/2024 11:27	223268
Lead	NELAP	0.0006	0.0010	J	**0.0010**	mg/L	5	05/24/2024 10:47	223268
Lithium	*	0.0015	0.0030		**0.0050**	mg/L	5	05/23/2024 11:27	223268
Molybdenum	NELAP	0.0006	0.0015		**0.0045**	mg/L	5	05/23/2024 11:27	223268
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	05/23/2024 11:27	223268
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	05/23/2024 11:27	223268

LCS recovered outside upper control limits. 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:** 24050124

Client Project: KIN-24Q2 **Report Date:** 11-Jun-24

Lab ID: 24050124-002 **Client Sample ID:** MW-02

Matrix: GROUNDWATER **Collection Date:** 05/20/2024 10:02

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	05/28/2024 21:43	223499

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24050124

Client Project: KIN-24Q2 **Report Date:** 11-Jun-24

Lab ID: 24050124-003 **Client Sample ID:** MW-03

Matrix: GROUNDWATER **Collection Date:** 05/20/2024 12:15

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**8.76**	ft	1	05/20/2024 12:15	R347671
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**5.8**	NTU	1	05/20/2024 12:15	R347671
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**247**	mV	1	05/20/2024 12:15	R347671
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**595**	µS/cm	1	05/20/2024 12:15	R347671
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**15.7**	°C	1	05/20/2024 12:15	R347671
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.35**	mg/L	1	05/20/2024 12:15	R347671
SW-846 9040B FIELD									
pH	*	0	1.00		**6.73**		1	05/20/2024 12:15	R347671
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**352**	mg/L	1	05/21/2024 13:55	R347649
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	05/21/2024 13:55	R347649
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**578**	mg/L	1	05/23/2024 9:42	R347839
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**140**	mg/L	10	05/24/2024 21:29	R347894
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.23**	mg/L	1	05/21/2024 10:19	R347625
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**29**	mg/L	1	05/24/2024 21:24	R347900
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**88.9**	mg/L	1	05/22/2024 19:43	223268
Magnesium	NELAP	0.0055	0.0500		**50.5**	mg/L	1	05/23/2024 11:36	223268
Potassium	NELAP	0.0400	0.100		**0.287**	mg/L	1	05/22/2024 19:43	223268
Sodium	NELAP	0.0180	0.0500		**42.9**	mg/L	1	05/22/2024 19:43	223268
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0007	0.0010		**< 0.0010**	mg/L	5	05/23/2024 11:33	223268
Arsenic	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	05/23/2024 11:33	223268
Barium	NELAP	0.0007	0.0010		**0.0419**	mg/L	5	05/23/2024 11:33	223268
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	05/23/2024 11:33	223268
Boron	NELAP	0.0092	0.0250		**1.42**	mg/L	5	05/23/2024 11:33	223268
Cadmium	*	0.0002	0.0010		**< 0.0010**	mg/L	5	05/23/2024 11:33	223268
Chromium	NELAP	0.0007	0.0015		**< 0.0015**	mg/L	5	05/23/2024 11:33	223268
Cobalt	NELAP	0.0001	0.0010	J	**0.0006**	mg/L	5	05/23/2024 11:33	223268
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	06/04/2024 19:09	223769
Lithium	*	0.0015	0.0030	J	**0.0016**	mg/L	5	05/23/2024 11:33	223268
Molybdenum	NELAP	0.0006	0.0015	J	**0.0006**	mg/L	5	05/23/2024 11:33	223268
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	05/23/2024 11:33	223268
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	05/23/2024 11:33	223268

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

Teklab, Inc.
Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24050124

Client Project: KIN-24Q2 **Report Date:** 11-Jun-24

Lab ID: 24050124-003 **Client Sample ID:** MW-03

Matrix: GROUNDWATER **Collection Date:** 05/20/2024 12:15

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020	J	**0.00009**	mg/L	1	05/28/2024 21:45	223499

Laboratory Results

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

Client: Ramboll **Work Order:** 24050124

Client Project: KIN-24Q2 **Report Date:** 11-Jun-24

Lab ID: 24050124-004 **Client Sample ID:** MW-05

Matrix: GROUNDWATER **Collection Date:** 05/20/2024 14:16

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**26.45**	ft	1	05/20/2024 14:16	R347671
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**27**	NTU	1	05/20/2024 14:16	R347671
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**40**	mV	1	05/20/2024 14:16	R347671
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**842**	µS/cm	1	05/20/2024 14:16	R347671
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**17.2**	°C	1	05/20/2024 14:16	R347671
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.46**	mg/L	1	05/20/2024 14:16	R347671
SW-846 9040B FIELD									
pH	*	0	1.00		**6.51**		1	05/20/2024 14:16	R347671
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**709**	mg/L	1	05/21/2024 14:02	R347649
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	05/21/2024 14:02	R347649
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50	H	**785**	mg/L	2.5	06/05/2024 13:48	R348379
Sample required re-analysis out of hold time.									
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10	S	**13**	mg/L	1	05/24/2024 21:35	R347894
Matrix spike did not recover within control limits. Results verified by reanalysis at dilution.									
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.17**	mg/L	1	05/21/2024 10:21	R347625
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	8		**44**	mg/L	2	05/24/2024 21:45	R347900
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**150**	mg/L	1	05/22/2024 19:44	223268
Magnesium	NELAP	0.0055	0.0500		**85.6**	mg/L	1	05/23/2024 11:37	223268
Potassium	NELAP	0.0400	0.100		**1.11**	mg/L	1	05/22/2024 19:44	223268
Sodium	NELAP	0.0180	0.0500		**25.7**	mg/L	1	05/22/2024 19:44	223268
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0007	0.0010		**< 0.0010**	mg/L	5	05/23/2024 11:39	223268
Arsenic	NELAP	0.0004	0.0010		**0.0028**	mg/L	5	05/23/2024 11:39	223268
Barium	NELAP	0.0007	0.0010		**0.195**	mg/L	5	05/23/2024 11:39	223268
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	05/23/2024 11:39	223268
Boron	NELAP	0.0092	0.0250		**0.602**	mg/L	5	05/23/2024 11:39	223268
Cadmium	*	0.0002	0.0010		**< 0.0010**	mg/L	5	05/23/2024 11:39	223268
Chromium	NELAP	0.0007	0.0015		**0.0029**	mg/L	5	05/23/2024 11:39	223268
Cobalt	NELAP	0.0001	0.0010		**0.0024**	mg/L	5	05/23/2024 11:39	223268
Lead	NELAP	0.0006	0.0010		**0.0010**	mg/L	5	05/23/2024 11:39	223268
Lithium	*	0.0015	0.0030		**0.0045**	mg/L	5	05/23/2024 11:39	223268
Molybdenum	NELAP	0.0006	0.0015	J	**0.0012**	mg/L	5	05/23/2024 11:39	223268
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	05/23/2024 11:39	223268
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	05/23/2024 11:39	223268

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24050124

Client Project: KIN-24Q2 **Report Date:** 11-Jun-24

Lab ID: 24050124-004 **Client Sample ID:** MW-05

Matrix: GROUNDWATER **Collection Date:** 05/20/2024 14:16

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
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	J	**0.00010**	mg/L	1	05/28/2024 21:47	223499

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24050124

Client Project: KIN-24Q2 **Report Date:** 11-Jun-24

Lab ID: 24050124-005 **Client Sample ID:** MW-06

Matrix: GROUNDWATER **Collection Date:** 05/20/2024 12:48

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**9.06**	ft	1	05/20/2024 12:48	R347671
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**4.7**	NTU	1	05/20/2024 12:48	R347671
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**69**	mV	1	05/20/2024 12:48	R347671
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**610**	µS/cm	1	05/20/2024 12:48	R347671
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**13.4**	°C	1	05/20/2024 12:48	R347671
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**6.07**	mg/L	1	05/20/2024 12:48	R347671
SW-846 9040B FIELD									
pH	*	0	1.00		**6.44**		1	05/20/2024 12:48	R347671
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**281**	mg/L	1	05/21/2024 14:11	R347649
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	05/21/2024 14:11	R347649
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**450**	mg/L	1	05/23/2024 9:51	R347839
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**116**	mg/L	10	05/24/2024 22:17	R347894
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.21**	mg/L	1	05/21/2024 10:23	R347625
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4	J	**1**	mg/L	1	05/24/2024 22:12	R347900
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**80.2**	mg/L	1	05/22/2024 19:44	223268
Magnesium	NELAP	0.0055	0.0500		**36.6**	mg/L	1	05/23/2024 11:48	223268
Potassium	NELAP	0.0400	0.100		**0.274**	mg/L	1	05/22/2024 19:44	223268
Sodium	NELAP	0.0180	0.0500		**16.8**	mg/L	1	05/22/2024 19:44	223268
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	05/28/2024 10:45	223268
Arsenic	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	05/23/2024 12:41	223268
Barium	NELAP	0.0007	0.0010		**0.0371**	mg/L	5	05/23/2024 12:41	223268
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	05/23/2024 12:41	223268
Boron	NELAP	0.0092	0.0250		**0.759**	mg/L	5	05/23/2024 12:41	223268
Cadmium	*	0.0002	0.0010		**< 0.0010**	mg/L	5	05/23/2024 12:41	223268
Chromium	NELAP	0.0007	0.0015	J	**0.0012**	mg/L	5	05/23/2024 12:41	223268
Cobalt	NELAP	0.0001	0.0010	J	**0.0002**	mg/L	5	05/23/2024 12:41	223268
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	05/23/2024 12:41	223268
Lithium	*	0.0015	0.0030		**< 0.0030**	mg/L	5	05/23/2024 12:41	223268
Molybdenum	NELAP	0.0006	0.0015		**< 0.0015**	mg/L	5	05/23/2024 12:41	223268
Selenium	NELAP	0.0006	0.0010		**0.0014**	mg/L	5	05/23/2024 12:41	223268
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	05/23/2024 12:41	223268

Teklab, Inc.
Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24050124

Client Project: KIN-24Q2 **Report Date:** 11-Jun-24

Lab ID: 24050124-005 **Client Sample ID:** MW-06

Matrix: GROUNDWATER **Collection Date:** 05/20/2024 12:48

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020	J	**0.00009**	mg/L	1	05/28/2024 21:49	223499

Laboratory Results

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

Client: Ramboll **Work Order:** 24050124

Client Project: KIN-24Q2 **Report Date:** 11-Jun-24

Lab ID: 24050124-006 **Client Sample ID:** MW-07

Matrix: GROUNDWATER **Collection Date:** 05/20/2024 13:40

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**9.65**	ft	1	05/20/2024 13:40	R347671
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**4.5**	NTU	1	05/20/2024 13:40	R347671
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-62**	mV	1	05/20/2024 13:40	R347671
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**760**	µS/cm	1	05/20/2024 13:40	R347671
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**13.4**	°C	1	05/20/2024 13:40	R347671
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.00**	mg/L	1	05/20/2024 13:40	R347671
SW-846 9040B FIELD									
pH	*	0	1.00		**6.97**		1	05/20/2024 13:40	R347671
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**358**	mg/L	1	05/21/2024 14:17	R347649
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	05/21/2024 14:17	R347649
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**625**	mg/L	2.5	05/23/2024 9:52	R347839
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**156**	mg/L	10	05/24/2024 22:25	R347894
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.26**	mg/L	1	05/21/2024 10:24	R347625
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4	J	**1**	mg/L	1	05/24/2024 22:20	R347900
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**112**	mg/L	1	05/22/2024 19:45	223268
Magnesium	NELAP	0.0055	0.0500		**50.3**	mg/L	1	05/23/2024 11:49	223268
Potassium	NELAP	0.0400	0.100		**1.20**	mg/L	1	05/22/2024 19:45	223268
Sodium	NELAP	0.0180	0.0500		**13.7**	mg/L	1	05/22/2024 19:45	223268
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	05/28/2024 10:50	223268
Arsenic	NELAP	0.0004	0.0010		**0.0017**	mg/L	5	05/23/2024 12:47	223268
Barium	NELAP	0.0007	0.0010		**0.0395**	mg/L	5	05/23/2024 12:47	223268
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	05/23/2024 12:47	223268
Boron	NELAP	0.0092	0.0250		**0.286**	mg/L	5	05/23/2024 12:47	223268
Cadmium	*	0.0002	0.0010		**< 0.0010**	mg/L	5	05/23/2024 12:47	223268
Chromium	NELAP	0.0007	0.0015	J	**0.0012**	mg/L	5	05/23/2024 12:47	223268
Cobalt	NELAP	0.0001	0.0010		**0.0019**	mg/L	5	05/23/2024 12:47	223268
Lead	NELAP	0.0006	0.0010	J	**0.0007**	mg/L	5	05/23/2024 12:47	223268
Lithium	*	0.0015	0.0030	J	**0.0022**	mg/L	5	05/23/2024 12:47	223268
Molybdenum	NELAP	0.0006	0.0015		**0.0023**	mg/L	5	05/23/2024 12:47	223268
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	05/23/2024 12:47	223268
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	05/23/2024 12:47	223268

Laboratory Results

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

Client: Ramboll **Work Order:** 24050124

Client Project: KIN-24Q2 **Report Date:** 11-Jun-24

Lab ID: 24050124-006 **Client Sample ID:** MW-07

Matrix: GROUNDWATER **Collection Date:** 05/20/2024 13:40

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	05/28/2024 22:01	223499

Laboratory Results

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

Client: Ramboll **Work Order:** 24050124

Client Project: KIN-24Q2 **Report Date:** 11-Jun-24

Lab ID: 24050124-007 **Client Sample ID:** MW-07S

Matrix: GROUNDWATER **Collection Date:** 05/20/2024 14:31

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	05/20/2024 14:31	R347671
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**2.8**	NTU	1	05/20/2024 14:31	R347671
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-57**	mV	1	05/20/2024 14:31	R347671
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1340**	µS/cm	1	05/20/2024 14:31	R347671
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**16.9**	°C	1	05/20/2024 14:31	R347671
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.55**	mg/L	1	05/20/2024 14:31	R347671
SW-846 9040B FIELD									
pH	*	0	1.00		**6.71**		1	05/20/2024 14:31	R347671
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**422**	mg/L	1	05/21/2024 14:23	R347649
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	05/21/2024 14:23	R347649
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**1140**	mg/L	2.5	05/23/2024 9:52	R347839
SW-846 9036 (TOTAL)									
Sulfate	NELAP	123	200		**486**	mg/L	20	05/24/2024 22:33	R347894
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.30**	mg/L	1	05/21/2024 10:26	R347625
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**8**	mg/L	1	05/24/2024 22:28	R347900
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**168**	mg/L	1	05/22/2024 19:46	223268
Magnesium	NELAP	0.0055	0.0500		**71.9**	mg/L	1	05/23/2024 11:49	223268
Potassium	NELAP	0.0400	0.100		**2.45**	mg/L	1	05/22/2024 19:46	223268
Sodium	NELAP	0.0180	0.0500		**92.6**	mg/L	1	05/22/2024 19:46	223268
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0007	0.0010	J	**0.0009**	mg/L	5	05/23/2024 12:53	223268
Arsenic	NELAP	0.0004	0.0010		**0.0089**	mg/L	5	06/04/2024 19:21	223769
Barium	NELAP	0.0007	0.0010		**0.0471**	mg/L	5	05/23/2024 12:53	223268
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	05/23/2024 12:53	223268
Boron	NELAP	0.0092	0.0250		**5.54**	mg/L	5	05/23/2024 12:53	223268
Cadmium	*	0.0002	0.0010		**< 0.0010**	mg/L	5	05/23/2024 12:53	223268
Chromium	NELAP	0.0007	0.0015		**0.0041**	mg/L	5	05/23/2024 12:53	223268
Cobalt	NELAP	0.0001	0.0010		**0.0016**	mg/L	5	05/23/2024 12:53	223268
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	05/23/2024 12:53	223268
Lithium	*	0.0015	0.0030		**< 0.0030**	mg/L	5	05/23/2024 12:53	223268
Molybdenum	NELAP	0.0006	0.0015		**0.0018**	mg/L	5	05/23/2024 12:53	223268
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	05/23/2024 12:53	223268
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	05/23/2024 12:53	223268

LCS recovered outside upper control limits. 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:** 24050124

Client Project: KIN-24Q2 **Report Date:** 11-Jun-24

Lab ID: 24050124-007 **Client Sample ID:** MW-07S

Matrix: GROUNDWATER **Collection Date:** 05/20/2024 14:31

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020	J	**0.00009**	mg/L	1	05/28/2024 22:03	223499

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24050124

Client Project: KIN-24Q2 **Report Date:** 11-Jun-24

Lab ID: 24050124-008 **Client Sample ID:** MW-08

Matrix: GROUNDWATER **Collection Date:** 05/20/2024 13:42

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**8.44**	ft	1	05/20/2024 13:42	R347671
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**3.6**	NTU	1	05/20/2024 13:42	R347671
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**92**	mV	1	05/20/2024 13:42	R347671
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1190**	µS/cm	1	05/20/2024 13:42	R347671
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**17.2**	°C	1	05/20/2024 13:42	R347671
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.95**	mg/L	1	05/20/2024 13:42	R347671
SW-846 9040B FIELD									
pH	*	0	1.00		**6.60**		1	05/20/2024 13:42	R347671
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**454**	mg/L	1	05/21/2024 14:29	R347649
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	05/21/2024 14:29	R347649
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**844**	mg/L	1	05/24/2024 15:53	R347911
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**217**	mg/L	10	05/24/2024 22:41	R347894
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.22**	mg/L	1	05/21/2024 10:28	R347625
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**21**	mg/L	1	05/24/2024 22:36	R347900
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**141**	mg/L	1	05/22/2024 19:47	223268
Magnesium	NELAP	0.0055	0.0500		**70.5**	mg/L	1	05/23/2024 11:50	223268
Potassium	NELAP	0.0400	0.100		**0.564**	mg/L	1	05/22/2024 19:47	223268
Sodium	NELAP	0.0180	0.0500		**28.8**	mg/L	1	05/22/2024 19:47	223268
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0007	0.0010	J	**0.0008**	mg/L	5	05/23/2024 13:00	223268
Arsenic	NELAP	0.0004	0.0010	J	**0.0006**	mg/L	5	05/23/2024 13:00	223268
Barium	NELAP	0.0007	0.0010		**0.0222**	mg/L	5	05/23/2024 13:00	223268
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	05/23/2024 13:00	223268
Boron	NELAP	0.0092	0.0250		**0.889**	mg/L	5	05/23/2024 13:00	223268
Cadmium	*	0.0002	0.0010		**< 0.0010**	mg/L	5	05/23/2024 13:00	223268
Chromium	NELAP	0.0007	0.0015		**< 0.0015**	mg/L	5	05/23/2024 13:00	223268
Cobalt	NELAP	0.0001	0.0010		**0.0020**	mg/L	5	05/23/2024 13:00	223268
Lead	NELAP	0.0006	0.0010	J	**0.0008**	mg/L	5	05/23/2024 13:00	223268
Lithium	*	0.0015	0.0030	J	**0.0018**	mg/L	5	05/23/2024 13:00	223268
Molybdenum	NELAP	0.0006	0.0015	J	**0.0007**	mg/L	5	05/23/2024 13:00	223268
Selenium	NELAP	0.0006	0.0010	J	**0.0006**	mg/L	5	05/23/2024 13:00	223268
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	05/23/2024 13:00	223268

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

Teklab, Inc.
Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24050124

Client Project: KIN-24Q2 **Report Date:** 11-Jun-24

Lab ID: 24050124-008 **Client Sample ID:** MW-08

Matrix: GROUNDWATER **Collection Date:** 05/20/2024 13:42

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020	J	**0.00009**	mg/L	1	05/28/2024 22:05	223499

Laboratory Results

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

Client: Ramboll **Work Order:** 24050124

Client Project: KIN-24Q2 **Report Date:** 11-Jun-24

Lab ID: 24050124-009 **Client Sample ID:** MW-08S

Matrix: GROUNDWATER **Collection Date:** 05/20/2024 10:35

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**9.76**	ft	1	05/20/2024 10:35	R347671
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**Well dry**	NTU	1	05/20/2024 10:35	R347671
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**Well dry**	mV	1	05/20/2024 10:35	R347671
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**Well dry**	µS/cm	1	05/20/2024 10:35	R347671
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**Well dry**	°C	1	05/20/2024 10:35	R347671
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**Well dry**	mg/L	1	05/20/2024 10:35	R347671
SW-846 9040B FIELD									
pH	*	0	1.00		**Well dry**		1	05/20/2024 10:35	R347671

Laboratory Results

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

Client: Ramboll **Work Order:** 24050124

Client Project: KIN-24Q2 **Report Date:** 11-Jun-24

Lab ID: 24050124-010 **Client Sample ID:** MW-11

Matrix: GROUNDWATER **Collection Date:** 05/20/2024 11:24

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**11.89**	ft	1	05/20/2024 11:24	R347671
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**2.7**	NTU	1	05/20/2024 11:24	R347671
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**172**	mV	1	05/20/2024 11:24	R347671
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**641**	µS/cm	1	05/20/2024 11:24	R347671
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**15.9**	°C	1	05/20/2024 11:24	R347671
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.83**	mg/L	1	05/20/2024 11:24	R347671
SW-846 9040B FIELD									
pH	*	0	1.00		**6.77**		1	05/20/2024 11:24	R347671
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**422**	mg/L	1	05/21/2024 14:35	R347649
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	05/21/2024 14:35	R347649
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20	H	**636**	mg/L	1	06/03/2024 16:06	R348256
Sample required re-analysis out of hold time.									
SW-846 9036 (TOTAL)									
Sulfate	NELAP	31	50		**117**	mg/L	5	05/24/2024 23:05	R347894
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.47**	mg/L	1	05/21/2024 10:39	R347625
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**34**	mg/L	1	05/24/2024 23:00	R347900
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**112**	mg/L	1	05/22/2024 19:47	223268
Magnesium	NELAP	0.0055	0.0500		**53.0**	mg/L	1	05/23/2024 11:51	223268
Potassium	NELAP	0.0400	0.100		**0.925**	mg/L	1	05/22/2024 19:47	223268
Sodium	NELAP	0.0180	0.0500		**42.9**	mg/L	1	05/22/2024 19:47	223268
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0007	0.0010		**< 0.0010**	mg/L	5	05/23/2024 13:06	223268
Arsenic	NELAP	0.0004	0.0010	J	**0.0006**	mg/L	5	05/23/2024 13:06	223268
Barium	NELAP	0.0007	0.0010		**0.113**	mg/L	5	05/23/2024 13:06	223268
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	05/23/2024 13:06	223268
Boron	NELAP	0.0092	0.0250		**1.41**	mg/L	5	05/23/2024 13:06	223268
Cadmium	*	0.0002	0.0010		**< 0.0010**	mg/L	5	05/23/2024 13:06	223268
Chromium	NELAP	0.0007	0.0015		**< 0.0015**	mg/L	5	05/23/2024 13:06	223268
Cobalt	NELAP	0.0001	0.0010	J	**0.0002**	mg/L	5	05/23/2024 13:06	223268
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	05/23/2024 13:06	223268
Lithium	*	0.0015	0.0030	J	**0.0021**	mg/L	5	05/23/2024 13:06	223268
Molybdenum	NELAP	0.0006	0.0015		**0.0019**	mg/L	5	05/23/2024 13:06	223268
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	05/23/2024 13:06	223268
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	05/23/2024 13:06	223268

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

Teklab, Inc.
Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24050124

Client Project: KIN-24Q2 **Report Date:** 11-Jun-24

Lab ID: 24050124-010 **Client Sample ID:** MW-11

Matrix: GROUNDWATER **Collection Date:** 05/20/2024 11:24

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020	J	**0.00009**	mg/L	1	05/28/2024 22:08	223499

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24050124

Client Project: KIN-24Q2 **Report Date:** 11-Jun-24

Lab ID: 24050124-011 **Client Sample ID:** MW-12

Matrix: GROUNDWATER **Collection Date:** 05/20/2024 11:06

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**6.57**	ft	1	05/20/2024 11:06	R347671
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**9.3**	NTU	1	05/20/2024 11:06	R347671
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-36**	mV	1	05/20/2024 11:06	R347671
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1370**	µS/cm	1	05/20/2024 11:06	R347671
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**14.4**	°C	1	05/20/2024 11:06	R347671
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.76**	mg/L	1	05/20/2024 11:06	R347671
SW-846 9040B FIELD									
pH	*	0	1.00		**6.50**		1	05/20/2024 11:06	R347671
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**518**	mg/L	1	05/21/2024 14:42	R347649
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	05/21/2024 14:42	R347649
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**1280**	mg/L	2.5	05/23/2024 11:05	R347839
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**386**	mg/L	10	05/24/2024 23:13	R347894
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.17**	mg/L	1	05/21/2024 10:40	R347625
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**26**	mg/L	1	05/24/2024 23:08	R347900
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**189**	mg/L	1	05/22/2024 19:48	223268
Magnesium	NELAP	0.0055	0.0500		**85.8**	mg/L	1	05/23/2024 11:51	223268
Potassium	NELAP	0.0400	0.100		**2.76**	mg/L	1	05/22/2024 19:48	223268
Sodium	NELAP	0.0180	0.0500		**53.2**	mg/L	1	05/22/2024 19:48	223268
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0007	0.0010		**< 0.0010**	mg/L	5	05/23/2024 13:12	223268
Arsenic	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	05/23/2024 13:12	223268
Barium	NELAP	0.0007	0.0010		**0.0841**	mg/L	5	05/23/2024 13:12	223268
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	05/23/2024 13:12	223268
Boron	NELAP	0.0092	0.0250		**4.23**	mg/L	5	05/23/2024 13:12	223268
Cadmium	*	0.0002	0.0010		**< 0.0010**	mg/L	5	05/23/2024 13:12	223268
Chromium	NELAP	0.0007	0.0015		**< 0.0015**	mg/L	5	05/23/2024 13:12	223268
Cobalt	NELAP	0.0001	0.0010	J	**0.0003**	mg/L	5	05/23/2024 13:12	223268
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	05/23/2024 13:12	223268
Lithium	*	0.0015	0.0030		**0.0089**	mg/L	5	05/23/2024 13:12	223268
Molybdenum	NELAP	0.0006	0.0015	J	**0.0007**	mg/L	5	05/23/2024 13:12	223268
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	05/23/2024 13:12	223268
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	05/23/2024 13:12	223268

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

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24050124

Client Project: KIN-24Q2 **Report Date:** 11-Jun-24

Lab ID: 24050124-011 **Client Sample ID:** MW-12

Matrix: GROUNDWATER **Collection Date:** 05/20/2024 11:06

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020	J	**0.00009**	mg/L	1	05/28/2024 22:10	223499

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24050124

Client Project: KIN-24Q2 **Report Date:** 11-Jun-24

Lab ID: 24050124-012 **Client Sample ID:** MW-20

Matrix: GROUNDWATER **Collection Date:** 05/20/2024 12:51

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	05/20/2024 12:51	R347671
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**9.2**	NTU	1	05/20/2024 12:51	R347671
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**264**	mV	1	05/20/2024 12:51	R347671
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**678**	µS/cm	1	05/20/2024 12:51	R347671
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**15.3**	°C	1	05/20/2024 12:51	R347671
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.28**	mg/L	1	05/20/2024 12:51	R347671
SW-846 9040B FIELD									
pH	*	0	1.00		**6.89**		1	05/20/2024 12:51	R347671
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**421**	mg/L	1	05/21/2024 14:49	R347649
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	05/21/2024 14:49	R347649
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**720**	mg/L	1	05/23/2024 11:05	R347839
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**164**	mg/L	10	05/24/2024 23:21	R347894
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.33**	mg/L	1	05/21/2024 10:42	R347625
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**21**	mg/L	1	05/24/2024 23:16	R347900
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**125**	mg/L	1	05/22/2024 19:52	223268
Magnesium	NELAP	0.0055	0.0500		**64.3**	mg/L	1	05/22/2024 19:52	223268
Potassium	NELAP	0.0400	0.100		**1.10**	mg/L	1	05/22/2024 19:52	223268
Sodium	NELAP	0.0180	0.0500		**22.5**	mg/L	1	05/22/2024 19:52	223268
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0007	0.0010		**< 0.0010**	mg/L	5	05/23/2024 13:18	223268
Arsenic	NELAP	0.0004	0.0010	J	**0.0004**	mg/L	5	05/23/2024 13:18	223268
Barium	NELAP	0.0007	0.0010		**0.0872**	mg/L	5	05/23/2024 13:18	223268
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	05/23/2024 13:18	223268
Boron	NELAP	0.0092	0.0250		**0.628**	mg/L	5	05/23/2024 13:18	223268
Cadmium	*	0.0002	0.0010		**< 0.0010**	mg/L	5	05/23/2024 13:18	223268
Chromium	NELAP	0.0007	0.0015	J	**0.0008**	mg/L	5	05/23/2024 13:18	223268
Cobalt	NELAP	0.0001	0.0010	J	**0.0002**	mg/L	5	05/23/2024 13:18	223268
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	05/23/2024 13:18	223268
Lithium	*	0.0015	0.0030		**0.0045**	mg/L	5	05/23/2024 13:18	223268
Molybdenum	NELAP	0.0006	0.0015		**0.0025**	mg/L	5	05/23/2024 13:18	223268
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	05/23/2024 13:18	223268
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	05/23/2024 13:18	223268

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

Teklab, Inc.
Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24050124

Client Project: KIN-24Q2 **Report Date:** 11-Jun-24

Lab ID: 24050124-012 **Client Sample ID:** MW-20

Matrix: GROUNDWATER **Collection Date:** 05/20/2024 12:51

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020	J	**0.00009**	mg/L	1	05/28/2024 22:12	223499

Laboratory Results

Client: Ramboll **Work Order:** 24050124

Client Project: KIN-24Q2 **Report Date:** 11-Jun-24

Lab ID: 24050124-013 **Client Sample ID:** MW-20S

Matrix: GROUNDWATER **Collection Date:** 05/21/2024 10:09

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**6.25**	ft	1	05/21/2024 10:09	R347671
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**31**	NTU	1	05/21/2024 10:09	R347671
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**250**	mV	1	05/21/2024 10:09	R347671
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1570**	µS/cm	1	05/21/2024 10:09	R347671
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**17.0**	°C	1	05/21/2024 10:09	R347671
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.66**	mg/L	1	05/21/2024 10:09	R347671
SW-846 9040B FIELD									
pH	*	0	1.00		**6.62**		1	05/21/2024 10:09	R347671
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**452**	mg/L	1	05/22/2024 9:07	R347693
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	05/22/2024 9:07	R347693
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**1120**	mg/L	1	05/23/2024 11:05	R347839
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**402**	mg/L	10	05/24/2024 23:29	R347894
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.19**	mg/L	1	05/23/2024 10:27	R347780
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**18**	mg/L	1	05/24/2024 23:24	R347900
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100	S	**192**	mg/L	1	05/22/2024 19:53	223268
Magnesium	NELAP	0.0055	0.0500	S	**101**	mg/L	1	05/22/2024 19:53	223268
Potassium	NELAP	0.0400	0.100		**0.294**	mg/L	1	05/22/2024 19:53	223268
Sodium	NELAP	0.0180	0.0500	S	**34.9**	mg/L	1	05/22/2024 19:53	223268
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	**0.0005**	mg/L	5	05/24/2024 10:53	223268
Arsenic	NELAP	0.0004	0.0010	J	**0.0004**	mg/L	5	05/23/2024 13:24	223268
Barium	NELAP	0.0007	0.0010		**0.0359**	mg/L	5	05/24/2024 10:53	223268
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	05/23/2024 13:24	223268
Boron	NELAP	0.0092	0.0250	S	**1.84**	mg/L	5	05/24/2024 10:53	223268
Cadmium	*	0.0002	0.0010		**< 0.0010**	mg/L	5	05/24/2024 10:53	223268
Chromium	NELAP	0.0007	0.0015	J	**0.0013**	mg/L	5	05/24/2024 10:53	223268
Cobalt	NELAP	0.0001	0.0010	J	**0.0003**	mg/L	5	05/23/2024 13:24	223268
Lead	NELAP	0.0006	0.0010	J	**0.0008**	mg/L	5	05/23/2024 13:24	223268
Lithium	*	0.0015	0.0030		**< 0.0030**	mg/L	5	05/23/2024 13:24	223268
Molybdenum	NELAP	0.0006	0.0015		**< 0.0015**	mg/L	5	05/23/2024 13:24	223268
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	05/23/2024 13:24	223268
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	05/23/2024 13:24	223268

Laboratory Results

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

Client: Ramboll **Work Order:** 24050124

Client Project: KIN-24Q2 **Report Date:** 11-Jun-24

Lab ID: 24050124-013 **Client Sample ID:** MW-20S

Matrix: GROUNDWATER **Collection Date:** 05/21/2024 10:09

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.									
LCS recovered outside upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI Standard.									
CCV recovered outside the upper control limits for Sb. Sample results are below the reporting limit. Data is reportable per the TNI standard.									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020	J	**0.00010**	mg/L	1	05/28/2024 22:14	223499

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24050124

Client Project: KIN-24Q2 **Report Date:** 11-Jun-24

Lab ID: 24050124-014 **Client Sample ID:** MW-23

Matrix: GROUNDWATER **Collection Date:** 05/20/2024 10:50

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	05/20/2024 10:50	R347671
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**5.1**	NTU	1	05/20/2024 10:50	R347671
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**133**	mV	1	05/20/2024 10:50	R347671
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**651**	µS/cm	1	05/20/2024 10:50	R347671
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**15.7**	°C	1	05/20/2024 10:50	R347671
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.28**	mg/L	1	05/20/2024 10:50	R347671
SW-846 9040B FIELD									
pH	*	0	1.00		**6.79**		1	05/20/2024 10:50	R347671
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**507**	mg/L	1	05/21/2024 14:56	R347649
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	05/21/2024 14:56	R347649
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**614**	mg/L	1	05/23/2024 11:07	R347839
SW-846 9036 (TOTAL)									
Sulfate	NELAP	12	20		**50**	mg/L	2	05/25/2024 0:01	R347894
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.34**	mg/L	1	05/21/2024 10:44	R347625
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**26**	mg/L	1	05/24/2024 23:35	R347900
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**106**	mg/L	1	05/22/2024 19:55	223268
Magnesium	NELAP	0.0055	0.0500		**49.9**	mg/L	1	05/22/2024 19:55	223268
Potassium	NELAP	0.0400	0.100		**1.01**	mg/L	1	05/22/2024 19:55	223268
Sodium	NELAP	0.0180	0.0500		**42.6**	mg/L	1	05/22/2024 19:55	223268
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	05/28/2024 10:54	223268
Arsenic	NELAP	0.0004	0.0010		**0.0023**	mg/L	5	05/23/2024 14:38	223268
Barium	NELAP	0.0007	0.0010		**0.0857**	mg/L	5	06/04/2024 20:01	223769
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	05/23/2024 14:38	223268
Boron	NELAP	0.0092	0.0250		**2.51**	mg/L	5	05/23/2024 14:38	223268
Cadmium	*	0.0002	0.0010		**< 0.0010**	mg/L	5	05/23/2024 14:38	223268
Chromium	NELAP	0.0007	0.0015		**< 0.0015**	mg/L	5	05/23/2024 14:38	223268
Cobalt	NELAP	0.0001	0.0010		**0.0015**	mg/L	5	05/23/2024 14:38	223268
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	05/23/2024 14:38	223268
Lithium	*	0.0015	0.0030		**< 0.0030**	mg/L	5	05/23/2024 14:38	223268
Molybdenum	NELAP	0.0006	0.0015	J	**0.0011**	mg/L	5	06/04/2024 20:01	223769
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	05/23/2024 14:38	223268
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	05/23/2024 14:38	223268

Teklab, Inc.
Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24050124

Client Project: KIN-24Q2 **Report Date:** 11-Jun-24

Lab ID: 24050124-014 **Client Sample ID:** MW-23

Matrix: GROUNDWATER **Collection Date:** 05/20/2024 10:50

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020	J	**0.00010**	mg/L	1	05/28/2024 22:17	223499

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24050124

Client Project: KIN-24Q2 **Report Date:** 11-Jun-24

Lab ID: 24050124-015 **Client Sample ID:** MW-27

Matrix: GROUNDWATER **Collection Date:** 05/21/2024 12:11

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**13.40**	ft	1	05/21/2024 12:11	R347671
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**280**	NTU	1	05/21/2024 12:11	R347671
Well purged dry on 5/20; sampled prior to stabilization on 5/21 to ensure sample collection.									
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-14**	mV	1	05/21/2024 12:11	R347671
Well purged dry on 5/20; sampled prior to stabilization on 5/21 to ensure sample collection.									
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1760**	µS/cm	1	05/21/2024 12:11	R347671
Well purged dry on 5/20; sampled prior to stabilization on 5/21 to ensure sample collection.									
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**17.9**	°C	1	05/21/2024 12:11	R347671
Well purged dry on 5/20; sampled prior to stabilization on 5/21 to ensure sample collection.									
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**3.14**	mg/L	1	05/21/2024 12:11	R347671
Well purged dry on 5/20; sampled prior to stabilization on 5/21 to ensure sample collection.									
SW-846 9040B FIELD									
pH	*	0	1.00		**6.97**		1	05/21/2024 12:11	R347671
Well purged dry on 5/20; sampled prior to stabilization on 5/21 to ensure sample collection.									
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**677**	mg/L	1	05/22/2024 9:14	R347693
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	05/22/2024 9:14	R347693
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**1360**	mg/L	2.5	05/23/2024 11:07	R347839
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**400**	mg/L	10	05/25/2024 0:16	R347894
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.38**	mg/L	1	05/23/2024 10:29	R347780
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**11**	mg/L	1	05/25/2024 0:12	R347900
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**195**	mg/L	1	05/22/2024 19:56	223268
Magnesium	NELAP	0.0055	0.0500		**113**	mg/L	1	05/22/2024 19:56	223268
Potassium	NELAP	0.0400	0.100		**2.85**	mg/L	1	05/22/2024 19:56	223268
Sodium	NELAP	0.0180	0.0500		**77.5**	mg/L	1	05/22/2024 19:56	223268
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0007	0.0010		**< 0.0010**	mg/L	5	05/23/2024 14:44	223268
Arsenic	NELAP	0.0004	0.0010		**0.0053**	mg/L	5	05/23/2024 14:44	223268
Barium	NELAP	0.0007	0.0010		**0.116**	mg/L	5	05/23/2024 14:44	223268
Beryllium	NELAP	0.0002	0.0010	J	**0.0005**	mg/L	5	05/23/2024 14:44	223268
Boron	NELAP	0.0092	0.0250		**1.28**	mg/L	5	05/23/2024 14:44	223268
Cadmium	*	0.0002	0.0010		**< 0.0010**	mg/L	5	05/23/2024 14:44	223268
Chromium	NELAP	0.0007	0.0015		**0.0323**	mg/L	5	05/23/2024 14:44	223268
Cobalt	NELAP	0.0001	0.0010		**0.0064**	mg/L	5	05/23/2024 14:44	223268
Lead	NELAP	0.0006	0.0010		**0.0093**	mg/L	5	05/23/2024 14:44	223268

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24050124

Client Project: KIN-24Q2 **Report Date:** 11-Jun-24

Lab ID: 24050124-015 **Client Sample ID:** MW-27

Matrix: GROUNDWATER **Collection Date:** 05/21/2024 12:11

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Lithium	*	0.0015	0.0030		**0.0100**	mg/L	5	05/23/2024 14:44	223268
Molybdenum	NELAP	0.0006	0.0015		**0.0026**	mg/L	5	05/23/2024 14:44	223268
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	05/23/2024 14:44	223268
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	05/23/2024 14:44	223268
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	J	**0.00013**	mg/L	1	05/28/2024 22:19	223499

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24050124

Client Project: KIN-24Q2 **Report Date:** 11-Jun-24

Lab ID: 24050124-016 **Client Sample ID:** MW-28

Matrix: GROUNDWATER **Collection Date:** 05/20/2024 11:56

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**6.74**	ft	1	05/20/2024 11:56	R347671
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**5.2**	NTU	1	05/20/2024 11:56	R347671
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**37**	mV	1	05/20/2024 11:56	R347671
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**2100**	µS/cm	1	05/20/2024 11:56	R347671
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**14.8**	°C	1	05/20/2024 11:56	R347671
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.94**	mg/L	1	05/20/2024 11:56	R347671
SW-846 9040B FIELD									
pH	*	0	1.00		**6.64**		1	05/20/2024 11:56	R347671
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**454**	mg/L	1	05/21/2024 15:04	R347649
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	05/21/2024 15:04	R347649
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**2080**	mg/L	1	05/23/2024 11:27	R347839
SW-846 9036 (TOTAL)									
Sulfate	NELAP	307	500		**946**	mg/L	50	05/29/2024 10:21	R348027
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.13**	mg/L	1	05/21/2024 10:46	R347625
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**15**	mg/L	1	05/25/2024 0:20	R347900
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**278**	mg/L	1	05/22/2024 19:56	223268
Magnesium	NELAP	0.0055	0.0500		**134**	mg/L	1	05/22/2024 19:56	223268
Potassium	NELAP	0.0400	0.100		**0.940**	mg/L	1	05/22/2024 19:56	223268
Sodium	NELAP	0.0180	0.0500		**125**	mg/L	1	05/22/2024 19:56	223268
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0007	0.0010		**< 0.0010**	mg/L	5	05/23/2024 14:50	223268
Arsenic	NELAP	0.0004	0.0010	J	**0.0005**	mg/L	5	05/23/2024 14:50	223268
Barium	NELAP	0.0007	0.0010		**0.0309**	mg/L	5	05/23/2024 14:50	223268
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	05/23/2024 14:50	223268
Boron	NELAP	0.0092	0.0250		**10.3**	mg/L	5	05/23/2024 14:50	223268
Cadmium	*	0.0002	0.0010		**< 0.0010**	mg/L	5	05/23/2024 14:50	223268
Chromium	NELAP	0.0007	0.0015		**< 0.0015**	mg/L	5	05/23/2024 14:50	223268
Cobalt	NELAP	0.0001	0.0010	J	**0.0005**	mg/L	5	05/23/2024 14:50	223268
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	05/23/2024 14:50	223268
Lithium	*	0.0015	0.0030		**0.0080**	mg/L	5	05/23/2024 14:50	223268
Molybdenum	NELAP	0.0006	0.0015		**< 0.0015**	mg/L	5	05/23/2024 14:50	223268
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	05/23/2024 14:50	223268
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	05/23/2024 14:50	223268

LCS recovered outside upper control limits. 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:** 24050124

Client Project: KIN-24Q2 **Report Date:** 11-Jun-24

Lab ID: 24050124-016 **Client Sample ID:** MW-28

Matrix: GROUNDWATER **Collection Date:** 05/20/2024 11:56

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	05/28/2024 22:26	223499

Laboratory Results

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

Client: Ramboll **Work Order:** 24050124

Client Project: KIN-24Q2 **Report Date:** 11-Jun-24

Lab ID: 24050124-017 **Client Sample ID:** MW-30

Matrix: GROUNDWATER **Collection Date:** 05/20/2024 15:03

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**24.52**	ft	1	05/20/2024 15:03	R347671
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**8.1**	NTU	1	05/20/2024 15:03	R347671
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-78**	mV	1	05/20/2024 15:03	R347671
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1100**	µS/cm	1	05/20/2024 15:03	R347671
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**18.2**	°C	1	05/20/2024 15:03	R347671
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.36**	mg/L	1	05/20/2024 15:03	R347671
SW-846 9040B FIELD									
pH	*	0	1.00		**6.73**		1	05/20/2024 15:03	R347671
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**546**	mg/L	1	05/21/2024 15:10	R347649
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	05/21/2024 15:10	R347649
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50	H	**570**	mg/L	2.5	06/05/2024 13:49	R348379
Sample required re-analysis out of hold time.									
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10	J	**9**	mg/L	1	05/25/2024 0:28	R347894
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.33**	mg/L	1	05/21/2024 10:48	R347625
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**40**	mg/L	1	05/25/2024 0:28	R347900
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**109**	mg/L	1	05/22/2024 20:02	223273
Magnesium	NELAP	0.0055	0.0500		**56.9**	mg/L	1	05/22/2024 20:02	223273
Potassium	NELAP	0.0400	0.100		**0.968**	mg/L	1	05/22/2024 20:02	223273
Sodium	NELAP	0.0180	0.0500		**47.4**	mg/L	1	05/22/2024 20:02	223273
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	05/24/2024 9:06	223273
Arsenic	NELAP	0.0004	0.0010		**0.0111**	mg/L	5	05/23/2024 15:40	223273
Barium	NELAP	0.0007	0.0010		**0.160**	mg/L	5	05/23/2024 15:40	223273
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	05/23/2024 15:40	223273
Boron	NELAP	0.0133	0.0250		**1.02**	mg/L	5	05/23/2024 15:40	223273
Cadmium	*	0.0002	0.0010		**< 0.0010**	mg/L	5	05/23/2024 15:40	223273
Chromium	NELAP	0.0007	0.0015		**< 0.0015**	mg/L	5	05/23/2024 15:40	223273
Cobalt	NELAP	0.0001	0.0010		**0.0026**	mg/L	5	05/23/2024 15:40	223273
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	05/23/2024 15:40	223273
Lithium	*	0.0015	0.0030		**< 0.0030**	mg/L	5	05/23/2024 15:40	223273
Molybdenum	NELAP	0.0006	0.0015	J	**0.0015**	mg/L	5	05/23/2024 15:40	223273
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	05/23/2024 15:40	223273
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	05/23/2024 15:40	223273

Laboratory Results

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

Client: Ramboll **Work Order:** 24050124

Client Project: KIN-24Q2 **Report Date:** 11-Jun-24

Lab ID: 24050124-017 **Client Sample ID:** MW-30

Matrix: GROUNDWATER **Collection Date:** 05/20/2024 15:03

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	05/29/2024 10:19	223500

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24050124

Client Project: KIN-24Q2 **Report Date:** 11-Jun-24

Lab ID: 24050124-018 **Client Sample ID:** MW-31

Matrix: GROUNDWATER **Collection Date:** 05/21/2024 10:53

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**30.44**	ft	1	05/21/2024 10:53	R347671
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**4.6**	NTU	1	05/21/2024 10:53	R347671
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-61**	mV	1	05/21/2024 10:53	R347671
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1140**	µS/cm	1	05/21/2024 10:53	R347671
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**19.9**	°C	1	05/21/2024 10:53	R347671
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.63**	mg/L	1	05/21/2024 10:53	R347671
SW-846 9040B FIELD									
pH	*	0	1.00		**6.72**		1	05/21/2024 10:53	R347671
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**552**	mg/L	1	05/22/2024 9:22	R347693
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	05/22/2024 9:22	R347693
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**618**	mg/L	1	05/24/2024 15:54	R347911
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10	J	**8**	mg/L	1	05/25/2024 0:51	R347894
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.24**	mg/L	1	05/23/2024 10:31	R347780
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**42**	mg/L	1	05/25/2024 0:52	R347900
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100	S	**119**	mg/L	1	05/22/2024 20:03	223273
Magnesium	NELAP	0.0055	0.0500		**59.8**	mg/L	1	05/22/2024 20:03	223273
Potassium	NELAP	0.0400	0.100		**0.893**	mg/L	1	05/22/2024 20:03	223273
Sodium	NELAP	0.0180	0.0500		**27.5**	mg/L	1	05/22/2024 20:03	223273
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	05/23/2024 14:57	223273
Arsenic	NELAP	0.0004	0.0010		**0.0032**	mg/L	5	05/23/2024 14:57	223273
Barium	NELAP	0.0007	0.0010		**0.204**	mg/L	5	05/23/2024 14:57	223273
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	05/23/2024 14:57	223273
Boron	NELAP	0.0133	0.0250		**0.256**	mg/L	5	05/23/2024 14:57	223273
Cadmium	*	0.0002	0.0010		**< 0.0010**	mg/L	5	05/23/2024 14:57	223273
Chromium	NELAP	0.0007	0.0015		**< 0.0015**	mg/L	5	05/23/2024 14:57	223273
Cobalt	NELAP	0.0001	0.0010		**0.0013**	mg/L	5	05/23/2024 14:57	223273
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	05/23/2024 14:57	223273
Lithium	*	0.0015	0.0030		**0.0034**	mg/L	5	05/23/2024 14:57	223273
Molybdenum	NELAP	0.0006	0.0015	J	**0.0007**	mg/L	5	05/23/2024 14:57	223273
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	05/23/2024 14:57	223273
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	05/23/2024 14:57	223273
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:** 24050124

Client Project: KIN-24Q2 **Report Date:** 11-Jun-24

Lab ID: 24050124-018 **Client Sample ID:** MW-31

Matrix: GROUNDWATER **Collection Date:** 05/21/2024 10:53

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	05/29/2024 10:21	223500

Laboratory Results

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

Client: Ramboll **Work Order:** 24050124

Client Project: KIN-24Q2 **Report Date:** 11-Jun-24

Lab ID: 24050124-019 **Client Sample ID:** MW-31S

Matrix: GROUNDWATER **Collection Date:** 05/21/2024 11:36

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**23.16**	ft	1	05/21/2024 11:36	R347671
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**36**	NTU	1	05/21/2024 11:36	R347671
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-43**	mV	1	05/21/2024 11:36	R347671
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1310**	µS/cm	1	05/21/2024 11:36	R347671
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**20.9**	°C	1	05/21/2024 11:36	R347671
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**3.57**	mg/L	1	05/21/2024 11:36	R347671
SW-846 9040B FIELD									
pH	*	0	1.00		**6.77**		1	05/21/2024 11:36	R347671
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**614**	mg/L	1	05/22/2024 9:28	R347693
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	05/22/2024 9:28	R347693
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**760**	mg/L	2.5	05/23/2024 11:30	R347839
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10	SR	**12**	mg/L	1	05/25/2024 1:02	R347894
Matrix spike and RPD did not recover within control limits. Results verified by reanalysis at dilution.									
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.21**	mg/L	1	05/23/2024 10:33	R347780
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	8		**40**	mg/L	2	05/25/2024 1:13	R347900
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**133**	mg/L	1	05/22/2024 19:57	223273
Magnesium	NELAP	0.0055	0.0500		**65.7**	mg/L	1	05/22/2024 19:57	223273
Potassium	NELAP	0.0400	0.100		**0.935**	mg/L	1	05/22/2024 19:57	223273
Sodium	NELAP	0.0180	0.0500		**22.8**	mg/L	1	05/22/2024 19:57	223273
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	05/24/2024 9:10	223273
Arsenic	NELAP	0.0004	0.0010		**0.0052**	mg/L	5	05/23/2024 15:46	223273
Barium	NELAP	0.0007	0.0010		**0.216**	mg/L	5	05/23/2024 15:46	223273
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	05/23/2024 15:46	223273
Boron	NELAP	0.0133	0.0250		**0.223**	mg/L	5	05/23/2024 15:46	223273
Cadmium	*	0.0002	0.0010		**< 0.0010**	mg/L	5	05/23/2024 15:46	223273
Chromium	NELAP	0.0007	0.0015	J	**0.0010**	mg/L	5	05/23/2024 15:46	223273
Cobalt	NELAP	0.0001	0.0010		**0.0012**	mg/L	5	05/23/2024 15:46	223273
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	05/23/2024 15:46	223273
Lithium	*	0.0015	0.0030		**0.0040**	mg/L	5	05/23/2024 15:46	223273
Molybdenum	NELAP	0.0006	0.0015	J	**0.0010**	mg/L	5	05/23/2024 15:46	223273
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	05/23/2024 15:46	223273
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	05/23/2024 15:46	223273

Teklab, Inc.
Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24050124

Client Project: KIN-24Q2 **Report Date:** 11-Jun-24

Lab ID: 24050124-019 **Client Sample ID:** MW-31S

Matrix: GROUNDWATER **Collection Date:** 05/21/2024 11:36

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	05/29/2024 10:24	223500

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24050124

Client Project: KIN-24Q2 **Report Date:** 11-Jun-24

Lab ID: 24050124-020 **Client Sample ID:** MW-32

Matrix: GROUNDWATER **Collection Date:** 05/20/2024 13:40

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**23.18**	ft	1	05/20/2024 13:40	R347671
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**2.9**	NTU	1	05/20/2024 13:40	R347671
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**193**	mV	1	05/20/2024 13:40	R347671
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**923**	µS/cm	1	05/20/2024 13:40	R347671
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**16.4**	°C	1	05/20/2024 13:40	R347671
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.48**	mg/L	1	05/20/2024 13:40	R347671
SW-846 9040B FIELD									
pH	*	0	1.00		**6.40**		1	05/20/2024 13:40	R347671
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**514**	mg/L	1	05/21/2024 15:17	R347649
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	05/21/2024 15:17	R347649
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20	H	**1030**	mg/L	1	06/03/2024 16:07	R348256
Sample required re-analysis out of hold time.									
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**341**	mg/L	10	05/25/2024 1:29	R347894
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.17**	mg/L	1	05/21/2024 10:50	R347625
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**10**	mg/L	1	05/25/2024 1:24	R347900
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**159**	mg/L	1	05/22/2024 19:58	223273
Magnesium	NELAP	0.0055	0.0500		**84.6**	mg/L	1	05/22/2024 19:58	223273
Potassium	NELAP	0.0400	0.100		**0.398**	mg/L	1	05/22/2024 19:58	223273
Sodium	NELAP	0.0180	0.0500		**59.2**	mg/L	1	05/22/2024 19:58	223273
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	B	**< 0.0010**	mg/L	5	05/23/2024 15:52	223273
Arsenic	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	05/23/2024 15:52	223273
Barium	NELAP	0.0007	0.0010		**0.0441**	mg/L	5	05/23/2024 15:52	223273
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	05/23/2024 15:52	223273
Boron	NELAP	0.0133	0.0250		**1.56**	mg/L	5	05/23/2024 15:52	223273
Cadmium	*	0.0002	0.0010		**< 0.0010**	mg/L	5	05/23/2024 15:52	223273
Chromium	NELAP	0.0007	0.0015		**< 0.0015**	mg/L	5	05/23/2024 15:52	223273
Cobalt	NELAP	0.0001	0.0010	J	**0.0004**	mg/L	5	05/23/2024 15:52	223273
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	05/23/2024 15:52	223273
Lithium	*	0.0015	0.0030	J	**0.0015**	mg/L	5	05/23/2024 15:52	223273
Molybdenum	NELAP	0.0006	0.0015		**< 0.0015**	mg/L	5	05/23/2024 15:52	223273
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	05/23/2024 15:52	223273
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	05/23/2024 15:52	223273

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

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24050124

Client Project: KIN-24Q2 **Report Date:** 11-Jun-24

Lab ID: 24050124-020 **Client Sample ID:** MW-32

Matrix: GROUNDWATER **Collection Date:** 05/20/2024 13:40

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	05/29/2024 10:26	223500

Laboratory Results

Client: Ramboll **Work Order:** 24050124

Client Project: KIN-24Q2 **Report Date:** 11-Jun-24

Lab ID: 24050124-022 **Client Sample ID:** PZ4!C

Matrix: GROUNDWATER **Collection Date:** 05/21/2024 11:23

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**7.24**	ft	1	05/21/2024 11:23	R347671
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**22**	NTU	1	05/21/2024 11:23	R347671
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-113**	mV	1	05/21/2024 11:23	R347671
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**999**	µS/cm	1	05/21/2024 11:23	R347671
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**20.4**	°C	1	05/21/2024 11:23	R347671
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.59**	mg/L	1	05/21/2024 11:23	R347671
SW-846 9040B FIELD									
pH	*	0	1.00		**6.82**		1	05/21/2024 11:23	R347671
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**422**	mg/L	1	05/22/2024 9:43	R347693
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	05/22/2024 9:43	R347693
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50	H	**625**	mg/L	2.5	06/03/2024 16:07	R348256
Sample required re-analysis out of hold time.									
SW-846 9036 (TOTAL)									
Sulfate	NELAP	31	50		**79**	mg/L	5	05/25/2024 2:01	R347894
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.38**	mg/L	1	05/23/2024 10:37	R347780
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**32**	mg/L	1	05/25/2024 1:56	R347900
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**112**	mg/L	1	05/22/2024 20:06	223273
Magnesium	NELAP	0.0055	0.0500		**45.3**	mg/L	1	05/22/2024 20:06	223273
Potassium	NELAP	0.0400	0.100		**1.40**	mg/L	1	05/22/2024 20:06	223273
Sodium	NELAP	0.0180	0.0500		**35.4**	mg/L	1	05/22/2024 20:06	223273
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	B	**< 0.0010**	mg/L	5	05/23/2024 16:04	223273
Arsenic	NELAP	0.0004	0.0010		**0.0012**	mg/L	5	05/23/2024 16:04	223273
Barium	NELAP	0.0007	0.0010		**0.251**	mg/L	5	05/23/2024 16:04	223273
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	05/23/2024 16:04	223273
Boron	NELAP	0.0133	0.0250		**1.45**	mg/L	5	05/23/2024 16:04	223273
Cadmium	*	0.0002	0.0010		**< 0.0010**	mg/L	5	05/23/2024 16:04	223273
Chromium	NELAP	0.0007	0.0015		**0.0016**	mg/L	5	05/23/2024 16:04	223273
Cobalt	NELAP	0.0001	0.0010	J	**0.0005**	mg/L	5	05/23/2024 16:04	223273
Lead	NELAP	0.0006	0.0010	J	**0.0007**	mg/L	5	05/23/2024 16:04	223273
Lithium	*	0.0015	0.0030		**0.0068**	mg/L	5	05/23/2024 16:04	223273
Molybdenum	NELAP	0.0006	0.0015	J	**0.0010**	mg/L	5	05/23/2024 16:04	223273
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	05/23/2024 16:04	223273
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	05/23/2024 16:04	223273

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:** 24050124

Client Project: KIN-24Q2 **Report Date:** 11-Jun-24

Lab ID: 24050124-022 **Client Sample ID:** PZ4!C

Matrix: GROUNDWATER **Collection Date:** 05/21/2024 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	05/29/2024 11:11	223500

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24050124

Client Project: KIN-24Q2 **Report Date:** 11-Jun-24

Lab ID: 24050124-023 **Client Sample ID:** XSG-01

Matrix: GROUNDWATER **Collection Date:** 05/20/2024 9:48

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**5.21**	ft	1	05/20/2024 9:48	R347671

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24050124

Client Project: KIN-24Q2 **Report Date:** 11-Jun-24

Lab ID: 24050124-024 **Client Sample ID:** YSG-02

Matrix: GROUNDWATER **Collection Date:** 05/20/2024 12:18

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**20.37**	ft	1	05/20/2024 12:18	R347671

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24050124

Client Project: KIN-24Q2 **Report Date:** 11-Jun-24

Lab ID: 24050124-025 **Client Sample ID:** YSG-03

Matrix: GROUNDWATER **Collection Date:** 05/20/2024 10:54

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**13.08**	ft	1	05/20/2024 10:54	R347671

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24050124

Client Project: KIN-24Q2 **Report Date:** 11-Jun-24

Lab ID: 24050124-026 **Client Sample ID:** Field Blank

Matrix: AQUEOUS **Collection Date:** 05/21/2024 11:31

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		**1**	mg/L	1	05/22/2024 10:08	R347693
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	05/22/2024 10:08	R347693
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**34**	mg/L	1	05/23/2024 11:57	R347839
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10		**< 10**	mg/L	1	05/25/2024 2:04	R347894
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**< 0.10**	mg/L	1	05/23/2024 10:39	R347780
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**< 4**	mg/L	1	05/25/2024 2:04	R347900
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**< 0.100**	mg/L	1	05/22/2024 20:06	223273
Magnesium	NELAP	0.0055	0.0500		**< 0.0500**	mg/L	1	05/22/2024 20:06	223273
Potassium	NELAP	0.0400	0.100		**< 0.100**	mg/L	1	05/22/2024 20:06	223273
Sodium	NELAP	0.0180	0.0500		**< 0.0500**	mg/L	1	05/22/2024 20:06	223273
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	B	**< 0.0010**	mg/L	5	05/23/2024 16:11	223273
Arsenic	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	05/23/2024 16:11	223273
Barium	NELAP	0.0007	0.0010		**< 0.0010**	mg/L	5	05/23/2024 16:11	223273
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	05/23/2024 16:11	223273
Boron	NELAP	0.0133	0.0250		**< 0.0250**	mg/L	5	05/23/2024 16:11	223273
Cadmium	*	0.0002	0.0010		**< 0.0010**	mg/L	5	05/23/2024 16:11	223273
Chromium	NELAP	0.0007	0.0015		**< 0.0015**	mg/L	5	05/23/2024 16:11	223273
Cobalt	NELAP	0.0001	0.0010		**< 0.0010**	mg/L	5	05/23/2024 16:11	223273
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	05/23/2024 16:11	223273
Lithium	*	0.0015	0.0030		**< 0.0030**	mg/L	5	05/23/2024 16:11	223273
Molybdenum	NELAP	0.0006	0.0015		**< 0.0015**	mg/L	5	05/23/2024 16:11	223273
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	05/23/2024 16:11	223273
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	05/23/2024 16:11	223273

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	05/29/2024 11:14	223500

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24050124

Client Project: KIN-24Q2 **Report Date:** 11-Jun-24

Lab ID: 24050124-027 **Client Sample ID:** MW-08 Duplicate

Matrix: GROUNDWATER **Collection Date:** 05/20/2024 13:42

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**8.44**	ft	1	05/20/2024 13:42	R347671
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**3.6**	NTU	1	05/20/2024 13:42	R347671
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**92**	mV	1	05/20/2024 13:42	R347671
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1190**	µS/cm	1	05/20/2024 13:42	R347671
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**17.2**	°C	1	05/20/2024 13:42	R347671
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.95**	mg/L	1	05/20/2024 13:42	R347671
SW-846 9040B FIELD									
pH	*	0	1.00		**6.60**		1	05/20/2024 13:42	R347671
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**454**	mg/L	1	05/21/2024 15:25	R347649
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	05/21/2024 15:25	R347649
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**834**	mg/L	1	05/23/2024 11:57	R347839
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**205**	mg/L	10	05/25/2024 2:11	R347894
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.20**	mg/L	1	05/21/2024 10:52	R347625
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**21**	mg/L	1	05/25/2024 2:07	R347900
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**141**	mg/L	1	05/22/2024 20:07	223273
Magnesium	NELAP	0.0055	0.0500		**66.1**	mg/L	1	05/22/2024 20:07	223273
Potassium	NELAP	0.0400	0.100		**0.542**	mg/L	1	05/22/2024 20:07	223273
Sodium	NELAP	0.0180	0.0500		**27.2**	mg/L	1	05/22/2024 20:07	223273
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	B	**< 0.0010**	mg/L	5	05/23/2024 16:17	223273
Arsenic	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	05/23/2024 16:17	223273
Barium	NELAP	0.0007	0.0010		**0.0205**	mg/L	5	05/23/2024 16:17	223273
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	05/23/2024 16:17	223273
Boron	NELAP	0.0133	0.0250		**0.867**	mg/L	5	05/23/2024 16:17	223273
Cadmium	*	0.0002	0.0010		**< 0.0010**	mg/L	5	05/23/2024 16:17	223273
Chromium	NELAP	0.0007	0.0015		**< 0.0015**	mg/L	5	05/23/2024 16:17	223273
Cobalt	NELAP	0.0001	0.0010		**0.0014**	mg/L	5	05/23/2024 16:17	223273
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	05/23/2024 16:17	223273
Lithium	*	0.0015	0.0030	J	**0.0018**	mg/L	5	05/23/2024 16:17	223273
Molybdenum	NELAP	0.0006	0.0015		**< 0.0015**	mg/L	5	05/23/2024 16:17	223273
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	05/23/2024 16:17	223273
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	05/23/2024 16:17	223273

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

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24050124

Client Project: KIN-24Q2 **Report Date:** 11-Jun-24

Lab ID: 24050124-027 **Client Sample ID:** MW-08 Duplicate

Matrix: GROUNDWATER **Collection Date:** 05/20/2024 13:42

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	05/29/2024 11:20	223500

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24050124

Client Project: KIN-24Q2 **Report Date:** 11-Jun-24

Lab ID: 24050124-028 **Client Sample ID:** Equipment Blank 1

Matrix: AQUEOUS **Collection Date:** 05/21/2024 11:37

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		**4**	mg/L	1	05/22/2024 9:49	R347693
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	05/22/2024 9:49	R347693
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**34**	mg/L	1	05/23/2024 12:28	R347839
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10	J	**9**	mg/L	1	05/25/2024 2:14	R347894
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**< 0.10**	mg/L	1	05/23/2024 10:42	R347780
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**< 4**	mg/L	1	05/25/2024 2:15	R347900
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**0.327**	mg/L	1	05/22/2024 20:08	223273
Magnesium	NELAP	0.0055	0.0500		**0.149**	mg/L	1	05/22/2024 20:08	223273
Potassium	NELAP	0.0400	0.100		**< 0.100**	mg/L	1	05/22/2024 20:08	223273
Sodium	NELAP	0.0180	0.0500		**0.0618**	mg/L	1	05/22/2024 20:08	223273
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	05/24/2024 9:14	223273
Arsenic	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	05/23/2024 17:12	223273
Barium	NELAP	0.0007	0.0010		**< 0.0010**	mg/L	5	05/23/2024 17:12	223273
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	05/23/2024 17:12	223273
Boron	NELAP	0.0133	0.0250		**< 0.0250**	mg/L	5	05/23/2024 17:12	223273
Cadmium	*	0.0002	0.0010		**< 0.0010**	mg/L	5	05/23/2024 17:12	223273
Chromium	NELAP	0.0007	0.0015		**< 0.0015**	mg/L	5	05/23/2024 17:12	223273
Cobalt	NELAP	0.0001	0.0010		**< 0.0010**	mg/L	5	05/23/2024 17:12	223273
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	05/23/2024 17:12	223273
Lithium	*	0.0015	0.0030		**< 0.0030**	mg/L	5	05/23/2024 17:12	223273
Molybdenum	NELAP	0.0006	0.0015		**< 0.0015**	mg/L	5	05/23/2024 17:12	223273
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	05/23/2024 17:12	223273
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	05/23/2024 17:12	223273

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	05/29/2024 11:27	223500

Sample Summary

Client: Ramboll
Work Order: 24050124
Client Project: KIN-24Q2
Report Date: 11-Jun-24

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
24050124-001	MW-01	Groundwater	2	05/20/2024 13:12
24050124-002	MW-02	Groundwater	2	05/20/2024 10:02
24050124-003	MW-03	Groundwater	2	05/20/2024 12:15
24050124-004	MW-05	Groundwater	2	05/20/2024 14:16
24050124-005	MW-06	Groundwater	2	05/20/2024 12:48
24050124-006	MW-07	Groundwater	2	05/20/2024 13:40
24050124-007	MW-07S	Groundwater	2	05/20/2024 14:31
24050124-008	MW-08	Groundwater	2	05/20/2024 13:42
24050124-009	MW-08S	Groundwater	2	05/20/2024 10:35
24050124-010	MW-11	Groundwater	2	05/20/2024 11:24
24050124-011	MW-12	Groundwater	2	05/20/2024 11:06
24050124-012	MW-20	Groundwater	2	05/20/2024 12:51
24050124-013	MW-20S	Groundwater	2	05/21/2024 10:09
24050124-014	MW-23	Groundwater	2	05/20/2024 10:50
24050124-015	MW-27	Groundwater	2	05/21/2024 12:11
24050124-016	MW-28	Groundwater	2	05/20/2024 11:56
24050124-017	MW-30	Groundwater	2	05/20/2024 15:03
24050124-018	MW-31	Groundwater	2	05/21/2024 10:53
24050124-019	MW-31S	Groundwater	2	05/21/2024 11:36
24050124-020	MW-32	Groundwater	2	05/20/2024 13:40
24050124-022	PZ4!C	Groundwater	2	05/21/2024 11:23
24050124-023	XSG-01	Groundwater	1	05/20/2024 9:48
24050124-024	YSG-02	Groundwater	1	05/20/2024 12:18
24050124-025	YSG-03	Groundwater	1	05/20/2024 10:54
24050124-026	Field Blank	Aqueous	2	05/21/2024 11:31
24050124-027	MW-08 Duplicate	Groundwater	2	05/20/2024 13:42
24050124-028	Equipment Blank 1	Aqueous	2	05/21/2024 11:37

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24050124

Client Project: KIN-24Q2 **Report Date:** 11-Jun-24

STANDARD METHODS 2510 B FIELD

Batch R347671 **SampType:** LCS Units **µS/cm**
SampID: LCS-1B

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	100.1	90	110	05/20/2024

Batch R347671 **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	99.7	90	110	05/20/2024

Batch R347671 **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	100.1	90	110	05/20/2024

Batch R347671 **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	100.4	90	110	05/21/2024

Batch R347671 **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	100.1	90	110	05/21/2024

SW-846 9040B FIELD

Batch R347671 **SampType:** LCS Units
SampID: LCS-1B

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.02**	7.000	0	100.3	98.57	101.4	05/20/2024

Batch R347671 **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		**6.98**	7.000	0	99.7	98.57	101.4	05/20/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24050124

Client Project: KIN-24Q2 **Report Date:** 11-Jun-24

SW-846 9040B FIELD

Batch R347671 **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		**7.03**	7.000	0	100.4	98.57	101.4	05/20/2024

Batch R347671 **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	05/21/2024

Batch R347671 **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		**6.99**	7.000	0	99.9	98.57	101.4	05/21/2024

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R347839 **SampType:** MBLK Units **mg/L**

SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	05/23/2024
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	05/23/2024

Batch R347839 **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		**986**	1000	0	98.6	90	110	05/23/2024
Total Dissolved Solids		20		**958**	1000	0	95.8	90	110	05/23/2024

Batch R347839 **SampType:** DUP Units **mg/L** RPD Limit **10**

SampID: 24050124-005ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**434**				450.0	3.62	05/23/2024

Batch R347839 **SampType:** DUP Units **mg/L** RPD Limit **10**

SampID: 24050451-006BDUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		50	RH	**410**				345.0	17.22	05/23/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24050124

Client Project: KIN-24Q2 **Report Date:** 11-Jun-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R347839 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24051552-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		50		**370**				395.0	6.54	05/23/2024

Batch R347839 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24051552-002ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**444**				454.0	2.23	05/23/2024

Batch R347911 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	05/24/2024
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	05/24/2024
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	05/24/2024

Batch R347911 **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		**956**	1000	0	95.6	90	110	05/24/2024
Total Dissolved Solids		20		**930**	1000	0	93.0	90	110	05/24/2024
Total Dissolved Solids		20		**954**	1000	0	95.4	90	110	05/24/2024

Batch R347911 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24051776-015ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**< 20**				0	0.00	05/24/2024

Batch R347911 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24051779-003ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		1000		**51700**				51200	0.97	05/24/2024

Batch R348148 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	05/31/2024
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	05/31/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

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Client: Ramboll **Work Order:** 24050124

Client Project: KIN-24Q2 **Report Date:** 11-Jun-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R348148 **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		**956**	1000	0	95.6	90	110	05/31/2024
Total Dissolved Solids		20		**994**	1000	0	99.4	90	110	05/31/2024

Batch R348148 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24052371-004ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**502**				508.0	1.19	05/31/2024

Batch R348148 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24052414-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		50		**580**				615.0	5.86	05/31/2024

Batch R348256 **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	06/03/2024
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	06/03/2024

Batch R348256 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**954**	1000	0	95.4	90	110	06/03/2024
Total Dissolved Solids		20		**948**	1000	0	94.8	90	110	06/03/2024

Batch R348256 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24050124-010ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20	H	**632**				636.0	0.63	06/03/2024

Batch R348256 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24050124-020ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20	H	**1030**				1034	0.78	06/03/2024

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Quality Control Results

Client: Ramboll **Work Order:** 24050124

Client Project: KIN-24Q2 **Report Date:** 11-Jun-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R348256 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24050124-022ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		50	H	**675**				625.0	7.69	06/03/2024

Batch R348256 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24052341-002ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		50		**825**				855.0	3.57	06/03/2024

Batch R348256 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24052388-006HDUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		50		**4550**				4480	1.55	06/03/2024

Batch R348379 **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	06/05/2024
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	06/05/2024

Batch R348379 **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	06/05/2024
Total Dissolved Solids		20		**902**	1000	0	90.2	90	110	06/05/2024

Batch R348379 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24050124-004ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		50	H	**715**				785.0	9.33	06/05/2024

Batch R348379 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24050124-017ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		50	H	**580**				570.0	1.74	06/05/2024

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Quality Control Results

Client: Ramboll **Work Order:** 24050124

Client Project: KIN-24Q2 **Report Date:** 11-Jun-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R348379 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24052388-004HDUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		50		**1710**				1615	5.71	06/05/2024

Batch R348379 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24060011-019ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		100		**9420**				9240	1.93	06/05/2024

Batch R348379 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24060130-002ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**1920**				1892	1.36	06/05/2024

Batch R348379 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24060133-002ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**3910**				3566	9.15	06/05/2024

SW-846 9036 (TOTAL)

Batch R347894 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**< 10**	6.140	0	0	-100	100	05/24/2024

Batch R347894 **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	94.8	90	110	05/24/2024

Batch R347894 **SampType:** MS Units **mg/L**
SampID: 24050124-004AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10	S	**29**	20.00	13.19	77.1	85	115	05/24/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24050124

Client Project: KIN-24Q2 **Report Date:** 11-Jun-24

SW-846 9036 (TOTAL)

Batch R347894 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050124-004AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10	S	**29**	20.00	13.19	77.0	28.61	0.03	05/24/2024

Batch R347894 **SampType:** MS Units **mg/L**
SampID: 24050124-014AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		20		**86**	40.00	49.59	89.9	85	115	05/25/2024

Batch R347894 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050124-014AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		20		**89**	40.00	49.59	99.5	85.55	4.39	05/25/2024

Batch R347894 **SampType:** MS Units **mg/L**
SampID: 24050124-019AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10	S	**27**	20.00	12.07	76.5	85	115	05/25/2024

Batch R347894 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050124-019AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10	R	**32**	20.00	12.07	101.8	27.36	16.99	05/25/2024

Batch R347894 **SampType:** MS Units **mg/L**
SampID: 24051304-006AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		20	E	**114**	40.00	77.49	91.8	85	115	05/24/2024

Batch R347894 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24051304-006AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		20	E	**118**	40.00	77.49	100.0	114.2	2.82	05/24/2024

Batch R347894 **SampType:** MS Units **mg/L**
SampID: 24051304-010AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		20		**86**	40.00	48.70	94.1	85	115	05/24/2024

Teklab, Inc.
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Quality Control Results

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Client: Ramboll **Work Order:** 24050124

Client Project: KIN-24Q2 **Report Date:** 11-Jun-24

SW-846 9036 (TOTAL)

Batch R347894 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24051304-010AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		20		**88**	40.00	48.70	99.2	86.34	2.32	05/24/2024

Batch R347894 **SampType:** MS Units **mg/L**
SampID: 24051304-014AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10	E	**58**	20.00	40.32	88.7	85	115	05/24/2024

Batch R347894 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24051304-014AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10	E	**59**	20.00	40.32	92.5	58.05	1.32	05/24/2024

Batch R347894 **SampType:** MS Units **mg/L**
SampID: 24051948-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		100	S	**295**	200.0	130.3	82.3	85	115	05/25/2024

Batch R347894 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24051948-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		100		**304**	200.0	130.3	86.9	294.9	3.08	05/25/2024

Batch R347894 **SampType:** MS Units **mg/L**
SampID: 24051948-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**39**	20.00	21.86	86.2	85	115	05/25/2024

Batch R347894 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24051948-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10		**40**	20.00	21.86	90.0	39.09	1.95	05/25/2024

Batch R348027 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**< 10**	6.140	0	0	-100	100	05/29/2024

Teklab, Inc.
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Quality Control Results

Client: Ramboll **Work Order:** 24050124

Client Project: KIN-24Q2 **Report Date:** 11-Jun-24

SW-846 9036 (TOTAL)

Batch R348027 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**19**	20.00	0	95.0	90	110	05/29/2024

Batch R348027 **SampType:** MS Units **mg/L**
SampID: 24050651-003BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**18**	20.00	0	91.0	85	115	05/29/2024

Batch R348027 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050651-003BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10		**19**	20.00	0	93.2	18.21	2.28	05/29/2024

Batch R348027 **SampType:** MS Units **mg/L**
SampID: 24050651-009BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50		**173**	100.0	80.33	92.2	85	115	05/29/2024

Batch R348027 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050651-009BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		50		**179**	100.0	80.33	98.9	172.5	3.83	05/29/2024

Batch R348027 **SampType:** MS Units **mg/L**
SampID: 24051942-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		100		**449**	200.0	257.6	95.6	85	115	05/29/2024

Batch R348027 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24051942-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		100		**452**	200.0	257.6	97.0	448.8	0.60	05/29/2024

Batch R348027 **SampType:** MS Units **mg/L**
SampID: 24052005-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		20		**58**	40.00	22.78	87.6	85	115	05/29/2024

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Quality Control Results

Client: Ramboll **Work Order:** 24050124

Client Project: KIN-24Q2 **Report Date:** 11-Jun-24

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Batch R348027 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24052005-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		20		**59**	40.00	22.78	90.1	57.81	1.73	05/29/2024

Batch R348027 **SampType:** MS Units **mg/L**
SampID: 24052005-004AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**29**	20.00	11.48	87.4	85	115	05/29/2024

Batch R348027 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24052005-004AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10		**30**	20.00	11.48	90.3	28.95	2.02	05/29/2024

SW-846 9214 (TOTAL)

Batch R347625 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**< 0.10**	0.0500	0	0	-100	100	05/21/2024

Batch R347625 **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	105.9	90	110	05/21/2024

Batch R347625 **SampType:** MS Units **mg/L**
SampID: 24050124-008AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.42**	2.000	0.2180	110.0	75	125	05/21/2024

Batch R347625 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24050124-008AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.34**	2.000	0.2180	106.2	2.418	3.19	05/21/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24050124

Client Project: KIN-24Q2 **Report Date:** 11-Jun-24

SW-846 9214 (TOTAL)

Batch R347625 **SampType:** MS Units **mg/L**
SampID: 24050124-027AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.52**	2.000	0.2040	115.6	75	125	05/21/2024

Batch R347625 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24050124-027AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.18**	2.000	0.2040	98.6	2.515	14.45	05/21/2024

Batch R347625 **SampType:** MS Units **mg/L**
SampID: 24051408-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**9.71**	2.000	7.463	112.2	75	125	05/21/2024

Batch R347625 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24051408-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**9.85**	2.000	7.463	119.5	9.706	1.50	05/21/2024

Batch R347780 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**< 0.10**	0.0500	0	0	-100	100	05/23/2024

Batch R347780 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**0.98**	1.000	0	98.4	90	110	05/23/2024

Batch R347780 **SampType:** MS Units **mg/L**
SampID: 24050124-028AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.38**	2.000	0	118.8	75	125	05/23/2024

Batch R347780 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24050124-028AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.24**	2.000	0	112.0	2.377	5.89	05/23/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24050124

Client Project: KIN-24Q2 **Report Date:** 11-Jun-24

SW-846 9214 (TOTAL)

Batch R347780 **SampType:** MS Units **mg/L**
SampID: 24051870-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**3.02**	2.000	0.6830	116.8	75	125	05/23/2024

Batch R347780 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24051870-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.88**	2.000	0.6830	110.1	3.019	4.54	05/23/2024

Batch R347780 **SampType:** MS Units **mg/L**
SampID: 24051901-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.91**	2.000	0.7340	108.6	75	125	05/23/2024

Batch R347780 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24051901-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.77**	2.000	0.7340	102.0	2.907	4.68	05/23/2024

SW-846 9251 (TOTAL)

Batch R347900 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**< 4**	0.5000	0	0	-100	100	05/24/2024

Batch R347900 **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	99.6	90	110	05/24/2024

Batch R347900 **SampType:** MS Units **mg/L**
SampID: 24050124-004AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		8		**79**	40.00	43.81	87.4	85	115	05/24/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24050124

Client Project: KIN-24Q2 **Report Date:** 11-Jun-24

SW-846 9251 (TOTAL)

Batch R347900 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24050124-004AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		8		**81**	40.00	43.81	91.9	78.75	2.27	05/24/2024

Batch R347900 **SampType:** MS Units **mg/L**
SampID: 24050124-014AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**44**	20.00	25.50	91.9	85	115	05/24/2024

Batch R347900 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24050124-014AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**44**	20.00	25.50	90.4	43.88	0.71	05/24/2024

Batch R347900 **SampType:** MS Units **mg/L**
SampID: 24050124-019AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		8		**74**	40.00	40.17	85.2	85	115	05/25/2024

Batch R347900 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24050124-019AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		8		**77**	40.00	40.17	90.9	74.26	3.01	05/25/2024

Batch R347900 **SampType:** MS Units **mg/L**
SampID: 24051948-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**24**	20.00	5.570	94.4	85	115	05/25/2024

Batch R347900 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24051948-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**24**	20.00	5.570	92.8	24.45	1.32	05/25/2024

Batch R347900 **SampType:** MS Units **mg/L**
SampID: 24051948-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**25**	20.00	6.790	91.9	85	115	05/25/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24050124

Client Project: KIN-24Q2 **Report Date:** 11-Jun-24

SW-846 9251 (TOTAL)

Batch R347900 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24051948-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**25**	20.00	6.790	93.2	25.17	1.03	05/25/2024

Batch R348033 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**< 4**	0.5000	0	0	-100	100	05/29/2024

Batch R348033 **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	101.7	90	110	05/29/2024

Batch R348033 **SampType:** MS Units **mg/L**
SampID: 24050651-003BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4	E	**59**	20.00	39.68	98.7	85	115	05/29/2024

Batch R348033 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24050651-003BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4	E	**59**	20.00	39.68	96.2	59.42	0.83	05/29/2024

Batch R348033 **SampType:** MS Units **mg/L**
SampID: 24050651-009BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		20		**153**	100.0	64.22	88.5	85	115	05/29/2024

Batch R348033 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24050651-009BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		20		**155**	100.0	64.22	90.9	152.7	1.59	05/29/2024

Batch R348033 **SampType:** MS Units **mg/L**
SampID: 24051910-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		20		**248**	100.0	160.2	87.4	85	115	05/29/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24050124

Client Project: KIN-24Q2 **Report Date:** 11-Jun-24

SW-846 9251 (TOTAL)

Batch R348033 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24051910-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		20	E	**259**	100.0	160.2	99.1	247.7	4.61	05/29/2024

Batch R348033 **SampType:** MS Units **mg/L**
SampID: 24051942-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		40		**299**	200.0	119.6	89.8	85	115	05/29/2024

Batch R348033 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24051942-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		40		**297**	200.0	119.6	88.9	299.2	0.65	05/29/2024

Batch R348033 **SampType:** MS Units **mg/L**
SampID: 24052005-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		8		**53**	40.00	15.24	93.6	85	115	05/29/2024

Batch R348033 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24052005-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		8		**52**	40.00	15.24	92.5	52.70	0.88	05/29/2024

Batch R348033 **SampType:** MS Units **mg/L**
SampID: 24052005-004AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**30**	20.00	11.41	91.8	85	115	05/29/2024

Batch R348033 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24052005-004AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**30**	20.00	11.41	91.9	29.78	0.03	05/29/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24050124

Client Project: KIN-24Q2 **Report Date:** 11-Jun-24

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 223268 **SampType:** MBLK Units **mg/L**

SampID: MBLK-223268

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	05/22/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	05/22/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	05/22/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	05/22/2024

Batch 223268 **SampType:** LCS Units **mg/L**

SampID: LCS-223268

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.29**	2.500	0	91.8	85	115	05/22/2024
Magnesium		0.0500		**2.33**	2.500	0	93.4	85	115	05/22/2024
Potassium		0.100		**2.62**	2.500	0	105.0	85	115	05/22/2024
Sodium		0.0500		**2.40**	2.500	0	96.0	85	115	05/22/2024

Batch 223268 **SampType:** MS Units **mg/L**

SampID: 24050124-013BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**193**	2.500	191.5	74.8	75	125	05/22/2024
Magnesium		0.0500		**103**	2.500	100.7	104.8	75	125	05/22/2024
Potassium		0.100		**2.99**	2.500	0.2942	107.7	75	125	05/22/2024
Sodium		0.0500		**37.3**	2.500	34.94	95.2	75	125	05/22/2024

Batch 223268 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 24050124-013BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**190**	2.500	191.5	-74.0	193.4	1.94	05/22/2024
Magnesium		0.0500	S	**102**	2.500	100.7	34.1	103.3	1.73	05/22/2024
Potassium		0.100		**2.99**	2.500	0.2942	107.7	2.986	0.03	05/22/2024
Sodium		0.0500	S	**36.7**	2.500	34.94	69.2	37.32	1.76	05/22/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24050124

Client Project: KIN-24Q2 **Report Date:** 11-Jun-24

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 223273 **SampType:** MBLK Units **mg/L**

SampID: MBLK-223273

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	05/22/2024
Arsenic		0.0250		**< 0.0250**	0.0087	0	0	-100	100	05/22/2024
Barium		0.0025		**< 0.0025**	0.0007	0	0	-100	100	05/22/2024
Beryllium		0.0005		**< 0.0005**	0.0002	0	0	-100	100	05/22/2024
Boron		0.0200		**< 0.0200**	0.0090	0	0	-100	100	05/22/2024
Cadmium		0.0020		**< 0.0020**	0.0005	0	0	-100	100	05/22/2024
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	05/22/2024
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	05/23/2024
Chromium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	05/22/2024
Cobalt		0.0050		**< 0.0050**	0.0020	0	0	-100	100	05/22/2024
Lead		0.0150		**< 0.0150**	0.0040	0	0	-100	100	05/22/2024
Magnesium		0.0500	J	**0.0055**	0.0055	0	100.0	-100	100	05/23/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	05/22/2024
Molybdenum		0.0100		**< 0.0100**	0.0037	0	0	-100	100	05/22/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	05/23/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	05/22/2024
Selenium		0.0400		**< 0.0400**	0.0170	0	0	-100	100	05/22/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	05/23/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	05/22/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24050124

Client Project: KIN-24Q2 **Report Date:** 11-Jun-24

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 223273 **SampType:** LCS Units **mg/L**

SampID: LCS-223273

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0500		**0.497**	0.5000	0	99.4	85	115	05/22/2024
Arsenic		0.0250		**0.511**	0.5000	0	102.1	85	115	05/22/2024
Barium		0.0025		**1.92**	2.000	0	96.2	85	115	05/22/2024
Beryllium		0.0005		**0.0496**	0.0500	0	99.2	85	115	05/22/2024
Boron		0.0200		**0.472**	0.5000	0	94.5	85	115	05/22/2024
Cadmium		0.0020		**0.0520**	0.0500	0	104.0	85	115	05/22/2024
Calcium		0.100		**2.48**	2.500	0	99.3	85	115	05/23/2024
Calcium		0.100		**2.35**	2.500	0	93.9	85	115	05/22/2024
Chromium		0.0050		**0.189**	0.2000	0	94.5	85	115	05/22/2024
Cobalt		0.0050		**0.477**	0.5000	0	95.3	85	115	05/22/2024
Lead		0.0150		**0.476**	0.5000	0	95.2	85	115	05/22/2024
Magnesium		0.0500		**2.36**	2.500	0	94.2	85	115	05/22/2024
Magnesium		0.0500		**2.50**	2.500	0	99.8	85	115	05/23/2024
Molybdenum		0.0100		**0.467**	0.5000	0	93.4	85	115	05/22/2024
Potassium		0.100		**2.69**	2.500	0	107.6	85	115	05/23/2024
Potassium		0.100		**2.65**	2.500	0	106.1	85	115	05/22/2024
Selenium		0.0400		**0.483**	0.5000	0	96.6	85	115	05/22/2024
Sodium		0.0500		**2.43**	2.500	0	97.0	85	115	05/22/2024
Sodium		0.0500		**2.65**	2.500	0	106.2	85	115	05/23/2024

Batch 223273 **SampType:** MS Units **mg/L**

SampID: 24050124-018BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**121**	2.500	119.1	58.8	75	125	05/22/2024
Magnesium		0.0500		**61.9**	2.500	59.82	84.0	75	125	05/22/2024
Potassium		0.100		**3.58**	2.500	0.8929	107.6	75	125	05/22/2024
Sodium		0.0500		**29.7**	2.500	27.53	85.2	75	125	05/22/2024

Batch 223273 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 24050124-018BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**123**	2.500	119.1	145.2	120.5	1.78	05/22/2024
Magnesium		0.0500		**62.9**	2.500	59.82	125.0	61.93	1.64	05/22/2024
Potassium		0.100		**3.62**	2.500	0.8929	109.0	3.583	0.96	05/22/2024
Sodium		0.0500		**30.3**	2.500	27.53	110.8	29.66	2.13	05/22/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24050124

Client Project: KIN-24Q2 **Report Date:** 11-Jun-24

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 223273 **SampType:** MS Units **mg/L**

SampID: 24051286-001DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0500		**0.511**	0.5000	0.009300	100.2	75	125	05/22/2024
Arsenic		0.0250		**0.518**	0.5000	0	103.6	75	125	05/22/2024
Barium		0.0025		**2.05**	2.000	0.06720	99.1	75	125	05/22/2024
Beryllium		0.0005		**0.0507**	0.0500	0	101.4	75	125	05/22/2024
Cadmium		0.0020		**0.0507**	0.0500	0	101.4	75	125	05/22/2024
Chromium		0.0050		**0.196**	0.2000	0.004100	96.0	75	125	05/22/2024
Lead		0.0150		**0.483**	0.5000	0.007100	95.2	75	125	05/22/2024

Batch 223273 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 24051286-001DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		0.0500		**0.501**	0.5000	0.009300	98.3	0.5105	1.90	05/22/2024
Arsenic		0.0250		**0.509**	0.5000	0	101.8	0.5178	1.75	05/22/2024
Barium		0.0025		**2.02**	2.000	0.06720	97.6	2.050	1.47	05/22/2024
Beryllium		0.0005		**0.0497**	0.0500	0	99.4	0.05070	1.99	05/22/2024
Cadmium		0.0020		**0.0504**	0.0500	0	100.8	0.05070	0.59	05/22/2024
Chromium		0.0050		**0.194**	0.2000	0.004100	94.8	0.1962	1.28	05/22/2024
Lead		0.0150		**0.477**	0.5000	0.007100	93.9	0.4833	1.38	05/22/2024

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 223268 **SampType:** MBLK Units **mg/L**

SampID: MBLK-223268

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	05/23/2024
Arsenic		0.0010		**< 0.0010**	0.0004	0	0	-100	100	05/23/2024
Barium		0.0010		**< 0.0010**	0.0007	0	0	-100	100	05/23/2024
Beryllium		0.0010		**< 0.0010**	0.0002	0	0	-100	100	05/23/2024
Boron		0.0250		**< 0.0250**	0.0093	0	0	-100	100	05/23/2024
Cadmium	*	0.0010		**< 0.0010**	0.0001	0	0	-100	100	05/23/2024
Chromium		0.0015		**< 0.0015**	0.0007	0	0	-100	100	05/23/2024
Cobalt		0.0010		**< 0.0010**	0.0001	0	0	-100	100	05/23/2024
Lead		0.0010		**< 0.0010**	0.0006	0	0	-100	100	05/23/2024
Lithium	*	0.0030		**< 0.0030**	0.0015	0	0	-100	100	05/23/2024
Molybdenum		0.0015		**< 0.0015**	0.0006	0	0	-100	100	05/23/2024
Selenium		0.0010		**< 0.0010**	0.0006	0	0	-100	100	05/23/2024
Thallium		0.0020		**< 0.0020**	0.0010	0	0	-100	100	05/23/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24050124

Client Project: KIN-24Q2 **Report Date:** 11-Jun-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 223268 **SampType:** LCS Units **mg/L**

SampID: LCS-223268

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		**0.529**	0.5000	0	105.9	80	120	05/28/2024
Antimony		0.0010	S	**0.612**	0.5000	0	122.3	80	120	05/23/2024
Arsenic		0.0010		**0.563**	0.5000	0	112.5	80	120	05/23/2024
Barium		0.0010		**2.07**	2.000	0	103.4	80	120	05/24/2024
Beryllium		0.0010		**0.0573**	0.0500	0	114.7	80	120	05/23/2024
Boron		0.0250		**0.557**	0.5000	0	111.4	80	120	05/23/2024
Cadmium	*	0.0010		**0.0485**	0.0500	0	97.0	80	120	05/24/2024
Chromium		0.0015		**0.237**	0.2000	0	118.7	80	120	05/23/2024
Cobalt		0.0010		**0.573**	0.5000	0	114.5	80	120	05/23/2024
Lead		0.0010		**0.556**	0.5000	0	111.3	80	120	05/23/2024
Lithium	*	0.0030		**0.558**	0.5000	0	111.6	80	120	05/23/2024
Molybdenum		0.0015		**0.531**	0.5000	0	106.1	80	120	05/23/2024
Selenium		0.0010		**0.564**	0.5000	0	112.8	80	120	05/23/2024
Thallium		0.0020		**0.267**	0.2500	0	106.8	80	120	05/23/2024

Batch 223268 **SampType:** MS Units **mg/L**

SampID: 24050124-013BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		**0.540**	0.5000	0.0004531	107.8	75	125	05/24/2024
Arsenic		0.0010		**0.575**	0.5000	0.0004352	114.9	75	125	05/23/2024
Barium		0.0010		**1.96**	2.000	0.03586	96.1	75	125	05/24/2024
Beryllium		0.0010		**0.0589**	0.0500	0	117.8	75	125	05/23/2024
Boron		0.0250	S	**2.21**	0.5000	1.838	74.3	75	125	05/24/2024
Cadmium	*	0.0010		**0.0481**	0.0500	0	96.2	75	125	05/24/2024
Chromium		0.0015		**0.191**	0.2000	0.001323	95.1	75	125	05/24/2024
Cobalt		0.0010		**0.546**	0.5000	0.0003330	109.1	75	125	05/23/2024
Lead		0.0010		**0.578**	0.5000	0.0007620	115.5	75	125	05/23/2024
Lithium	*	0.0030		**0.567**	0.5000	0	113.4	75	125	05/23/2024
Molybdenum		0.0015		**0.553**	0.5000	0	110.6	75	125	05/23/2024
Selenium		0.0010		**0.573**	0.5000	0	114.6	75	125	05/23/2024
Thallium		0.0020		**0.272**	0.2500	0	108.7	75	125	05/23/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24050124

Client Project: KIN-24Q2 **Report Date:** 11-Jun-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 223268 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 24050124-013BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		0.0010		**0.538**	0.5000	0.0004531	107.5	0.5396	0.33	05/24/2024
Arsenic		0.0010		**0.491**	0.5000	0.0004352	98.1	0.5751	15.79	05/23/2024
Barium		0.0010		**1.94**	2.000	0.03586	95.4	1.959	0.73	05/24/2024
Beryllium		0.0010		**0.0491**	0.0500	0	98.1	0.05892	18.28	05/23/2024
Boron		0.0250		**2.25**	0.5000	1.838	82.9	2.209	1.93	05/24/2024
Cadmium	*	0.0010		**0.0478**	0.0500	0	95.7	0.04811	0.57	05/24/2024
Chromium		0.0015		**0.192**	0.2000	0.001323	95.4	0.1915	0.29	05/24/2024
Cobalt		0.0010		**0.464**	0.5000	0.0003330	92.8	0.5460	16.19	05/23/2024
Lead		0.0010		**0.476**	0.5000	0.0007620	95.0	0.5784	19.47	05/23/2024
Lithium	*	0.0030		**0.478**	0.5000	0	95.7	0.5670	16.93	05/23/2024
Molybdenum		0.0015		**0.467**	0.5000	0	93.5	0.5529	16.77	05/23/2024
Selenium		0.0010		**0.494**	0.5000	0	98.9	0.5732	14.76	05/23/2024
Thallium		0.0020		**0.232**	0.2500	0	92.8	0.2718	15.79	05/23/2024

Batch 223273 **SampType:** MBLK Units **mg/L**

SampID: MBLK-223273

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	05/24/2024
Antimony		0.0010	S	**0.0025**	0.0004	0	558.7	-100	100	05/23/2024
Arsenic		0.0010		**< 0.0010**	0.0004	0	0	-100	100	05/23/2024
Barium		0.0010		**< 0.0010**	0.0007	0	0	-100	100	05/23/2024
Beryllium		0.0010		**< 0.0010**	0.0002	0	0	-100	100	05/23/2024
Boron		0.0250		**< 0.0250**	0.0093	0	0	-100	100	05/23/2024
Cadmium	*	0.0010		**< 0.0010**	0.0001	0	0	-100	100	05/23/2024
Cadmium	*	0.0010		**< 0.0010**	0.0001	0	0	-100	100	05/23/2024
Chromium		0.0015		**< 0.0015**	0.0007	0	0	-100	100	05/23/2024
Cobalt		0.0010		**< 0.0010**	0.0001	0	0	-100	100	05/23/2024
Lead		0.0010		**< 0.0010**	0.0006	0	0	-100	100	05/23/2024
Lead		0.0010		**< 0.0010**	0.0006	0	0	-100	100	05/23/2024
Lithium	*	0.0030		**< 0.0030**	0.0015	0	0	-100	100	05/23/2024
Molybdenum		0.0015		**< 0.0015**	0.0006	0	0	-100	100	05/23/2024
Selenium		0.0010		**< 0.0010**	0.0006	0	0	-100	100	05/23/2024
Selenium		0.0010		**< 0.0010**	0.0006	0	0	-100	100	05/23/2024
Thallium		0.0020		**< 0.0020**	0.0010	0	0	-100	100	05/23/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24050124

Client Project: KIN-24Q2 **Report Date:** 11-Jun-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 223273 **SampType:** LCS Units **mg/L**

SampID: LCS-223273

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010	B	**0.534**	0.5000	0	106.9	80	120	05/23/2024
Arsenic		0.0010		**0.482**	0.5000	0	96.3	80	120	05/23/2024
Barium		0.0010		**1.93**	2.000	0	96.5	80	120	05/23/2024
Beryllium		0.0010		**0.0502**	0.0500	0	100.4	80	120	05/23/2024
Boron		0.0250		**0.490**	0.5000	0	97.9	80	120	05/23/2024
Cadmium	*	0.0010		**0.0515**	0.0500	0	103.0	80	120	05/23/2024
Cadmium	*	0.0010		**0.0515**	0.0500	0	103.0	85	115	05/23/2024
Chromium		0.0015		**0.202**	0.2000	0	100.9	80	120	05/23/2024
Cobalt		0.0010		**0.481**	0.5000	0	96.3	80	120	05/23/2024
Lead		0.0010		**0.483**	0.5000	0	96.5	80	120	05/23/2024
Lead		0.0010		**0.483**	0.5000	0	96.5	85	115	05/23/2024
Lithium	*	0.0030		**0.494**	0.5000	0	98.8	80	120	05/23/2024
Molybdenum		0.0015		**0.453**	0.5000	0	90.5	80	120	05/23/2024
Selenium		0.0010		**0.503**	0.5000	0	100.7	85	115	05/23/2024
Selenium		0.0010		**0.503**	0.5000	0	100.7	80	120	05/23/2024
Thallium		0.0020		**0.233**	0.2500	0	93.0	80	120	05/23/2024

Batch 223273 **SampType:** MS Units **mg/L**

SampID: 24050124-018BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010	B	**0.527**	0.5000	0	105.4	75	125	05/23/2024
Arsenic		0.0010		**0.489**	0.5000	0.003160	97.1	75	125	05/23/2024
Barium		0.0010		**2.20**	2.000	0.2036	100.0	75	125	05/23/2024
Beryllium		0.0010		**0.0489**	0.0500	0	97.8	75	125	05/23/2024
Boron		0.0250		**0.673**	0.5000	0.2560	83.4	75	125	05/23/2024
Cadmium	*	0.0010		**0.0512**	0.0500	0	102.5	75	125	05/23/2024
Chromium		0.0015		**0.193**	0.2000	0	96.7	75	125	05/23/2024
Cobalt		0.0010		**0.461**	0.5000	0.001293	92.0	75	125	05/23/2024
Lead		0.0010		**0.479**	0.5000	0	95.8	75	125	05/23/2024
Lithium	*	0.0030		**0.475**	0.5000	0.003433	94.4	75	125	05/23/2024
Molybdenum		0.0015		**0.459**	0.5000	0.0007189	91.7	75	125	05/23/2024
Selenium		0.0010		**0.499**	0.5000	0	99.7	75	125	05/23/2024
Thallium		0.0020		**0.233**	0.2500	0	93.3	75	125	05/23/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24050124

Client Project: KIN-24Q2 **Report Date:** 11-Jun-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 223273 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 24050124-018BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		0.0010	B	**0.533**	0.5000	0	106.6	0.5271	1.10	05/23/2024
Arsenic		0.0010		**0.480**	0.5000	0.003160	95.4	0.4887	1.77	05/23/2024
Barium		0.0010		**2.20**	2.000	0.2036	100.0	2.203	0.01	05/23/2024
Beryllium		0.0010		**0.0493**	0.0500	0	98.7	0.04888	0.96	05/23/2024
Boron		0.0250		**0.671**	0.5000	0.2560	82.9	0.6733	0.39	05/23/2024
Cadmium	*	0.0010		**0.0516**	0.0500	0	103.1	0.05124	0.61	05/23/2024
Chromium		0.0015		**0.193**	0.2000	0	96.3	0.1935	0.39	05/23/2024
Cobalt		0.0010		**0.463**	0.5000	0.001293	92.4	0.4612	0.47	05/23/2024
Lead		0.0010		**0.468**	0.5000	0	93.7	0.4788	2.19	05/23/2024
Lithium	*	0.0030		**0.472**	0.5000	0.003433	93.8	0.4753	0.60	05/23/2024
Molybdenum		0.0015		**0.451**	0.5000	0.0007189	90.1	0.4595	1.77	05/23/2024
Selenium		0.0010		**0.491**	0.5000	0	98.3	0.4986	1.47	05/23/2024
Thallium		0.0020		**0.228**	0.2500	0	91.2	0.2331	2.23	05/23/2024

Batch 223273 **SampType:** MS Units **mg/L**

SampID: 24051286-001DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Selenium		0.0010		**0.547**	0.5000	0.001503	109.0	70	130	05/23/2024

Batch 223273 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 24051286-001DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Selenium		0.0010		**0.523**	0.5000	0.001503	104.3	0.5466	4.41	05/23/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24050124

Client Project: KIN-24Q2 **Report Date:** 11-Jun-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 223769 **SampType:** MBLK Units **mg/L**
SampID: MBLK-223769

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	06/04/2024
Barium		0.0010		**< 0.0010**	0.0007	0	0	-100	100	06/04/2024
Boron		0.0250		**< 0.0250**	0.0093	0	0	-100	100	06/05/2024
Cadmium	*	0.0010		**< 0.0010**	0.0001	0	0	-100	100	06/04/2024
Cobalt		0.0010		**< 0.0010**	0.0001	0	0	-100	100	06/04/2024
Lead		0.0010		**< 0.0010**	0.0006	0	0	-100	100	06/04/2024
Lithium	*	0.0030		**< 0.0030**	0.0015	0	0	-100	100	06/05/2024
Molybdenum		0.0015		**< 0.0015**	0.0006	0	0	-100	100	06/04/2024
Selenium		0.0010		**< 0.0010**	0.0006	0	0	-100	100	06/04/2024
Thallium		0.0020		**< 0.0020**	0.0010	0	0	-100	100	06/04/2024

Batch 223769 **SampType:** LCS Units **mg/L**
SampID: LCS-223769

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0010		**0.480**	0.5000	0	96.0	80	120	06/04/2024
Barium		0.0010		**1.90**	2.000	0	95.1	80	120	06/04/2024
Boron		0.0250		**0.473**	0.5000	0	94.6	80	120	06/05/2024
Cadmium	*	0.0010		**0.0477**	0.0500	0	95.3	80	120	06/04/2024
Cobalt		0.0010		**0.462**	0.5000	0	92.4	80	120	06/04/2024
Lead		0.0010		**0.468**	0.5000	0	93.6	80	120	06/04/2024
Lithium	*	0.0030		**0.495**	0.5000	0	99.0	80	120	06/05/2024
Molybdenum		0.0015		**0.430**	0.5000	0	86.0	80	120	06/04/2024
Selenium		0.0010		**0.482**	0.5000	0	96.4	80	120	06/04/2024
Thallium		0.0020		**0.201**	0.2500	0	80.5	80	120	06/05/2024

Batch 223769 **SampType:** MS Units **mg/L**
SampID: 24052446-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Selenium		0.0010		**0.479**	0.5000	0	95.8	70	130	06/04/2024

Batch 223769 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24052446-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Selenium		0.0010		**0.474**	0.5000	0	94.8	0.4791	1.04	06/04/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24050124

Client Project: KIN-24Q2 **Report Date:** 11-Jun-24

SW-846 7470A (TOTAL)

Batch 223499 **SampType:** MBLK Units **mg/L**
SampID: MBLK-223499

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	05/28/2024

Batch 223499 **SampType:** LCS Units **mg/L**
SampID: LCS-223499

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	85	115	05/28/2024

Batch 223499 **SampType:** MS Units **mg/L**
SampID: 24050124-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00468**	0.0050	0.00005940	92.4	75	125	05/28/2024

Batch 223499 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24050124-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00463**	0.0050	0.00005940	91.5	0.004678	0.94	05/28/2024

Batch 223499 **SampType:** MS Units **mg/L**
SampID: 24050124-005BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00463**	0.0050	0.00008830	90.8	75	125	05/28/2024

Batch 223499 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24050124-005BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00445**	0.0050	0.00008830	87.1	0.004628	4.03	05/28/2024

Batch 223500 **SampType:** MBLK Units **mg/L**
SampID: MBLK-223500

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	05/29/2024

Batch 223500 **SampType:** LCS Units **mg/L**
SampID: LCS-223500

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00469**	0.0050	0	93.7	85	115	05/29/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24050124

Client Project: KIN-24Q2 **Report Date:** 11-Jun-24

SW-846 7470A (TOTAL)

Batch 223500 **SampType:** MS Units **mg/L**
SampID: 24050124-020BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00441**	0.0050	0	88.1	75	125	05/29/2024

Batch 223500 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24050124-020BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00432**	0.0050	0	86.4	0.004406	1.97	05/29/2024

Batch 223500 **SampType:** MS Units **mg/L**
SampID: 24050124-026BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00466**	0.0050	0	93.2	75	125	05/29/2024

Batch 223500 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24050124-026BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00450**	0.0050	0	89.9	0.004660	3.56	05/29/2024

Teklab, Inc. Environmental Laboratory

Receiving Check List

Client: Ramboll
Work Order: 24050124
Client Project: KIN-24Q2
Report Date: 11-Jun-24

Carrier: Tracy Carroll
Received By: PRS

Completed by: Paul Schultz
On: 21-May-24

Reviewed by: Ellie Hopkins
On: 21-May-24

Pages to follow: Chain of custody 4 Extra pages included 0

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C 8.7
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 5/20/2024 at 18:03 on ice [8.7C - LTG#5]. - pschultz - 5/21/2024 8:29:10 AM

pH strip #96651. LH - pschultz - 5/21/2024 8:29:13 AM

Additional Nitric Acid (97737) was needed in MW-05 and MW-12 upon arrival at the laboratory. LH - pschultz - 5/21/2024 8:29:16 AM

Samples were received on 5/21/2024 at 14:15 on ice [4.3C - LTG#7]. - pschultz - 5/21/2024 2:57:50 PM

pH strip #96651. - pschultz - 5/21/2024 2:58:03 PM

Additional Nitric Acid (97737) was needed in MW-27 and MW-31S upon arrival at the laboratory. - pschultz - 5/21/2024 2:58:05 PM

24050124

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 1 of 2

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Kincaid	Report To:	Brian Voelker, Sam Davies	Attention:	Brian Voelker, Tim Arnold
Address:	199 IL 104	Copy To:	Tim Arnold	Company Name:	Vistra Corp
	Kincaid, IL 62540			Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com Tim.Arnold@vistracorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	Liz Hurley
Requested Due Date/TAT:	10 day	Project Number:		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 CL; 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: KIN-257-141	KIN-845-141	KIN-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-01	WT	G	5-20-24	1312		2	1		1							X	X			24050124-001
2	MW-02	WT	G	5-20-24	1002		2	1		1							X	X			24050124-002
3	MW-03	WT	G	5-20-24	1215		2	1		1							X	X			24050124-003
4	MW-05	WT	G	5-20-24	1416		2	1		1							X	X			24050124-004
5	MW-06	WT	G	5/20/24	1248		2	1		1							X	X			24050124-005
6	MW-07	WT	G	5/20/24	1340		2	1		1							X	X			24050124-006
7	MW-07S	WT	G	5/20/24	1431		2	1		1							X	X			24050124-007
8	MW-08	WT	G	5-20-24	1342		2	1		1							X	X			24050124-008
9	MW-08S	WT	G	5-20-24	0824		2	1		1							X	X			24050124-009
10	MW-11	WT	G	5-20-24	1124		2	1		1							X	X			24050124-010
11	MW-12	WT	G	5/20/24	1106		2	1		1							X	X			24050124-011
12	MW-20	WT	G	5-20-24	1251		2	1		1							X	X			24050124-012
13	MW-20S	WT	G				2	1		1							X	X			24050124-013
14	MW-23	WT	G	5-20-24	1052		2	1		1							X	X			24050124-014
15	MW-27	WT	G				2	1		1							X	X			24050124-015
16	MW-28	WT	G	5/20/24	1156		2	1		1							X	X			24050124-016

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)
KIN-24Q2 Rev 0		5/20/24	1803		5/20/24	1803	8.7	>	N	
							LGS			

Added HNO_3 (9737) to MW05 & MW12
PM 9665 LH/PS 5/21

SAMPLER NAME AND SIGNATURE		
PRINT Name of SAMPLER:	Justin Cox	
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY): 5-20-24

CHAIN-OF-CUSTODY / Analytical Request Document

24050124-141

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Page: 2 of 2

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Kincaid	Report To:	Brian Voelker, Sam Davies	Attention:	Brian Voelker, Tim Arnold
Address:	199 IL 104	Copy To:	Tim Arnold	Company Name:	Vistra Corp
	Kincaid, IL 62540			Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com Tim.Arnold@vistracorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	Liz Hurley
Requested Due Date/TAT:	10 day	Project Number:		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	KIN-257-141	KIN-845-141	KIN-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-30	WT	G	5-20-24	1400		2	1		1							X	X			24050124-017
2	MW-31	WT	G				2	1		1							X	X			24050124-018
3	MW-31S	WT	G				2	1		1							X	X			24050124-019
4	MW-32	WT	G	5-20-24	1340		2	1		1							X	X			24050124-020
5	PZ4!A	WT	G				2	1		1									X		24050124-021
6	PZ4!C	WT	G				2	1		1							X	X			24050124-022
7	XSG-01	WT	G				0										X	X			24050124-023
8	YSG-02	WT	G				0										X	X			24050124-024
9	YSG-03	WT	G				0										X	X			24050124-025
10	Field Blank	WT	G				2	1		1							X	X	X		24050124-026
11	MW-08 Duplicate	WT	G	5-20-24	1342		2	1		1							X	X			24050124-027
12	Equipment Blank 1	WT	G				2	1		1							X	X	X		24050124-028
13	Equipment Blank 2	WT	G				2	1		1							X	X	X		24050124-029
14	Equipment Blank 3	WT	G				2	1		1							X	X	X		24050124-030
15																					
16																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
KIN-24Q2 Rev 0		5/20/24	1803		5/20/24	1803				

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):	5-20-24				

CHAIN-OF-CUSTODY / Analytical Request Document

24050124

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Page: 1 of 2

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Kincaid	Report To:	Brian Voelker, Sam Davies	Attention:	Brian Voelker, Tim Arnold
Address:	199 IL 104	Copy To:	Tim Arnold	Company Name:	Vistra Corp
	Kincaid, IL 62540			Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com Tim.Arnold@vistracorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	Liz Hurley
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: 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	KIN-257-141	KIN-845-141	KIN-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-01	WT	G				2	1		1							X	X			24050124-001
2	MW-02	WT	G				2	1		1							X	X			24050124-002
3	MW-03	WT	G				2	1		1							X	X			24050124-003
4	MW-05	WT	G				2	1		1							X	X			24050124-004
5	MW-06	WT	G				2	1		1							X	X			24050124-005
6	MW-07	WT	G				2	1		1							X	X			24050124-006
7	MW-07S	WT	G				2	1		1							X	X			24050124-007
8	MW-08	WT	G				2	1		1							X	X			24050124-008
9	MW-08S	WT	G				2	1		1							X	X			24050124-009
10	MW-11	WT	G				2	1		1							X	X			24050124-010
11	MW-12	WT	G				2	1		1							X	X			24050124-011
12	MW-20	WT	G				2	1		1							X	X			24050124-012
13	MW-20S	WT	G	5-21-24	1009		2	1		1							X	X			24050124-013
14	MW-23	WT	G				2	1		1							X	X			24050124-014
15	MW-27	WT	G	5-21-24	1022		2	1		1							X	X			24050124-015
16	MW-28	WT	G				2	1		1							X	X			24050124-016

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
KIN-24Q2 Rev 0	J. Colp	5-21	1415	Paul Gilley	5/21/24	1415	4.7 4.3	(Y)	N	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: Justin Colp DATE Signed (MM/DD/YY): 5-21-24

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

pH J96651
Added HNO_3 (9737) to MW27 & MW315
PS 5/21

CHAIN-OF-CUSTODY / Analytical Request Document

24050124

KIN-257-141

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Page: 2 of 2

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Kincaid	Report To:	Brian Voelker, Sam Davies	Attention:	Brian Voelker, Tim Arnold
Address:	199 IL 104	Copy To:	Tim Arnold	Company Name:	Vistra Corp
	Kincaid, IL 62540			Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com Tim.Arnold@vistracorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	Liz Hurley
Requested Due Date/TAT:	10 day	Project Number:		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	KIN-257-141	KIN-845-141	KIN-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
								Requested Analysis Filtered (Y/N)													
1	MW-30	WT	G				2	1		1							X	X			24050124-017
2	MW-31	WT	G	5-21-24	1053		2	1		1							X	X			24050124-018
3	MW-31S	WT	G	5-21-24	1136		2	1		1							X	X			24050124-019
4	MW-32	WT	G				2	1		1							X	X			24050124-020
5	PZ4!A	WT	G	5-21-24	1104		2	1		1									X		24050124-021
6	PZ4!C	WT	G	5-21-24	1123		2	1		1							X	X			24050124-022
7	XSG-01	WT	G				0										X	X			24050124-023
8	YSG-02	WT	G				0										X	X			24050124-024
9	YSG-03	WT	G				0										X	X			24050124-025
10	Field Blank	WT	G	5-21-24	1131		2	1		1							X	X	X		24050124-026
11	MW-08 Duplicate	WT	G				2	1		1							X	X			24050124-027
12	Equipment Blank 1	WT	G	5-21-24	1137		2	1		1							X	X	X		24050124-028
13	Equipment Blank 2	WT	G				2	1		1							X	X	X		24050124-029
14	Equipment Blank 3	WT	G				2	1		1							X	X	X		24050124-030
15																					
16																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
KIN-24Q2 Rev 0	J. Colp	5-21	1415		5/21/24	1415

SAMPLE CONDITIONS

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

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 5-21-24

Site Samping Event: Kincaid- 2Q24
LIMS Workorder: 24050124
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Summary
Kincaid- 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-01	Groundwater Sample	84.0	None	N	Cloudy	Good	Good	Good	Yes	Yes
002	MW-02	Groundwater Sample	78.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
003	MW-03	Groundwater Sample	82.0	None	S	Cloudy	Good	Good	Good	Yes	Yes
004	MW-05	Groundwater Sample	85.0	None	S	Cloudy	Good	Good	Good	Yes	Yes
005	MW-06	Groundwater Sample	80.0	None	N	Partly cloudy	Good	Good	Good	Yes	Yes
006	MW-07	Groundwater Sample	80.0	None	N	Partly cloudy	Good	Good	Good	Yes	Yes
007	MW-07S	Groundwater Sample	80.0	None	N	Partly cloudy	Good	Good	Good	Yes	Yes
008	MW-08	Groundwater Sample	85.0	None	N	Cloudy	Good	Good	Good	Yes	Yes
009	MW-08S	Groundwater Sample	80.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
010	MW-11	Groundwater Sample	81.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
011	MW-12	Groundwater Sample	82.0	None	N	Partly cloudy	Good	Good	Good	Yes	Yes
012	MW-20	Groundwater Sample	84.0	None	S	Cloudy	Good	Good	Good	Yes	Yes
013	MW-20S	Groundwater Sample	78.0	None	S	Clear	Good	Good	Good	Yes	Yes
014	MW-23	Groundwater Sample	80.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
015	MW-27	Groundwater Sample	78.0	None	NE	Clear	Good	Good	Good	Yes	Yes
016	MW-28	Groundwater Sample	82.0	None	N	Partly cloudy	Good	Good	Good	Yes	Yes
017	MW-30	Groundwater Sample	85.0	None	N	Cloudy	Good	Good	Good	Yes	Yes
018	MW-31	Groundwater Sample	80.0	None	NE	Clear	Good	Good	Good	Yes	Yes
019	MW-31S	Groundwater Sample	82.0	None	NE	Clear	Good	Good	Good	Yes	Yes
020	MW-32	Groundwater Sample	85.0	None	S	Cloudy	Good	Good	Good	Yes	Yes
021	PZ4!A	Groundwater Sample	81.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
022	PZ4!C	Groundwater Sample	82.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
023	XSG-01	DTW Only	78.0	None	S	Partly cloudy					
024	YSG-02	DTW Only	80.0	None	S	Partly cloudy					
025	YSG-03	DTW Only	78.0	None	S	Partly cloudy					
026	Field Blank	QA/QC Sample	82.0	None	NE	Clear					
027	MW-08 Duplicate	QA/QC Sample	85.0	None	N	Cloudy	Good	Good	Good	Yes	Yes
028	Equipment Blank 1	QA/QC Sample	82.0	None	NE	Clear					

Site Samping Event: Kincaid- 2Q24
LIMS Workorder: 24050124
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Summary
Kincaid- 2Q 2024

		GW Level Measurement				Purge Activities							
WO Sample	**Well ID**	**Sampler Initials**	**Date/Time**	**DTW (ft)**	**DTB (ft)**	**Sampler Initials**	**Purge Date**	**Purge Start Time**	**Purge End Time**	**Purging/Sampling Device**	**Well Diameter (in)**	**Actual Volume Purged (L)**	**Purge Rate (mL/min)**
001	MW-01	BG	5/20/24 12:18	15.48	27.10	BG	5/20/2024	12:18	13:12	Peristaltic Pump	2"	5.0	92.6
002	MW-02	JC	5/20/24 9:38	7.31	22.20	JC	5/20/2024	09:40	10:02	Bladder Pump	2"	5.0	227.3
003	MW-03	JC	5/20/24 11:53	8.76	26.20	JC	5/20/2024	11:54	12:15	Bladder Pump	2"	4.5	214.3
004	MW-05	JC	5/20/24 13:55	26.45	41.70	JC	5/20/2024	13:57	14:16	Bladder Pump	2"	4.0	210.5
005	MW-06	TAC	5/20/24 12:21	9.06	22.00	TAC	5/20/2024	12:21	12:48	Bladder Pump	2"	11.0	**407.4**
006	MW-07	TAC	5/20/24 13:23	9.65	21.80	TAC	5/20/2024	13:23	13:40	Bladder Pump	2"	6.0	352.9
007	MW-07S	TAC	5/20/24 14:04	10.49	13.49	TAC	5/20/2024	14:08	14:31	Peristaltic Pump	2"	6.0	260.9
008	MW-08	BG	5/20/24 13:29	8.44	24.00	BG	5/20/2024	13:29	13:42	Bladder Pump	2"	1.5	115.4
009	MW-08S	BG	5/20/24 10:35	9.76	10.02	JC	5/20/2024	11:00	11:02	Peristaltic Pump	2"	0.1	50.0
010	MW-11	JC	5/20/24 11:06	11.89	23.50	JC	5/20/2024	11:07	11:24	Bladder Pump	2"	4.0	235.3
011	MW-12	TAC	5/20/24 10:33	6.57	27.60	TAC	5/20/2024	10:34	11:06	Bladder Pump	2"	12.0	375.0
012	MW-20	JC	5/20/24 12:32	6.24	26.25	JC	5/20/2024	12:34	12:51	Bladder Pump	2"	4.0	235.3
013	MW-20S	JC	5/21/24 9:50	6.25	12.21	JC	5/21/2024	09:52	10:09	Submersible Pump	2"	3.0	176.5
014	MW-23	JC	5/20/24 10:34	16.58	30.27	JC	5/20/2024	10:36	10:50	Bladder Pump	2"	4.0	285.7
015	MW-27	BG	5/21/24 12:02	13.40	17.70	BG	5/21/2024	12:05	12:11	Peristaltic Pump	2"	0.5	83.3
016	MW-28	TAC	5/20/24 11:30	6.74	25.07	TAC	5/20/2024	11:32	11:56	Bladder Pump	2"	6.0	250.0
017	MW-30	BG	5/20/24 14:43	24.52	42.47	BG	5/20/2024	14:43	15:03	Bladder Pump	2"	3.0	150.0
018	MW-31	bg	5/21/24 10:34	30.44	42.32	bg	5/21/2024	10:34	10:53	Bladder Pump	2"	2.5	131.6
019	MW-31S	BG	5/21/24 10:58	23.16	32.41	BG	5/21/2024	10:58	11:36	Bladder Pump	2"	4.0	105.3
020	MW-32	JC	5/20/24 13:15	23.18	39.29	JC	5/20/2024	13:17	13:40	Bladder Pump	2"	5.0	217.4
021	PZ4!A	JC	5/21/24 10:35	7.85	12.94	JC	5/21/2024	10:37	11:04	Submersible Pump	2"	3.0	111.1
022	PZ4!C	JC	5/21/24 11:10	7.24	23.18	JC	5/21/2024	11:11	11:23	Submersible Pump	2"	3.0	250.0
023	XSG-01	BG	5/20/24 9:48	5.21	-								
024	YSG-02	BG	5/20/24 12:18	20.37	-								
025	YSG-03	BG	5/20/24 10:54	13.08	-								
026	Field Blank												
027	MW-08 Duplicate	BG	5/20/24 13:29	8.44	24.00	BG	5/20/2024	13:29	13:42	Bladder Pump	2"	1.5	115.4
028	Equipment Blank 1												

Site Samping Event: Kincaid- 2Q24
LIMS Workorder: 24050124
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Summary
Kincaid- 2Q 2024

WO Sample	Well ID	Sampling Activities and Observations										
		Sampler Initials	Date	Time	Sampling Method	Instrument ID	Field Filtered	Appearance	Odor	Color	Post-Sample DTW (ft)	Drawdown (ft)
001	MW-01	BG	05/20/24	13:12	Low Flow	26559	No	Clear	None	CLEAR	15.78	0.3
002	MW-02	JC	05/20/24	10:02	Low Flow	218083	No	Clear	Slight	none	8.78	**1.47**
003	MW-03	JC	05/20/24	12:15	Low Flow	218083	No	Clear	None	none	9.38	**0.62**
004	MW-05	JC	05/20/24	14:16	Low Flow	218083	No	Slightly cloudy	Slight	none	28.26	**1.81**
005	MW-06	TAC	05/20/24	12:48	Low Flow	45986	No	Clear	None	None	10.88	**1.82**
006	MW-07	TAC	05/20/24	13:40	Low Flow	45986	No	Clear	None	None	12.22	**2.57**
007	MW-07S	TAC	05/20/24	14:31	Low Flow	45986	No	Clear	None	None	10.53	0.04
008	MW-08	BG	05/20/24	13:42	Low Flow	26559	No	Clear	None	CLEAR	8.59	0.15
009	MW-08S											
010	MW-11	JC	05/20/24	11:24	Low Flow	218083	No	Clear	None	none	13.17	**1.28**
011	MW-12	TAC	05/20/24	11:06	Low Flow	45986	No	Clear	None	None	6.80	0.23
012	MW-20	JC	05/20/24	12:51	Low Flow	218083	No	Clear	None	none	8.98	**2.74**
013	MW-20S	JC	05/21/24	10:09	Low Flow	218083	No	Clear	None	none	8.22	**1.97**
014	MW-23	JC	05/20/24	10:50	Low Flow	218083	No	Clear	None	none	19.10	**2.52**
015	MW-27	BG	05/21/24	12:11	Low Flow	26559	No	Clear	None	none	Below T.O.P.	**N/A**
016	MW-28	TAC	05/20/24	11:56	Low Flow	45986	No	Clear	None	None	7.54	**0.8**
017	MW-30	BG	05/20/24	15:03	Low Flow	26559	No	Clear	None	CLEAR	25.04	**0.52**
018	MW-31	bg	05/21/24	10:53	Low Flow	26559	No	Slightly cloudy	None	clear	31.46	**1.02**
019	MW-31S	BG	05/21/24	11:36	Low Flow	26559	No	Cloudy	None	lt brown	29.17	**6.01**
020	MW-32	JC	05/20/24	13:40	Low Flow	218083	No	Clear	None	none	23.88	**0.7**
021	PZ4!A	JC	05/21/24	11:04	Low Flow	218083	No	Slightly cloudy	None	none	10.69	**2.84**
022	PZ4!C	JC	05/21/24	11:23	Low Flow	218083	No	Slightly cloudy	Slight	none	8.21	**0.97**
023	XSG-01											
024	YSG-02											
025	YSG-03											
026	Field Blank	JC	05/21/24	11:31	Direct Sample							
027	MW-08 Duplicate	BG	05/20/24	13:42	Low Flow	26559	No	Clear	None	CLEAR	8.59	0.15
028	Equipment Blank 1	JC	05/21/24	11:37	Direct Sample							

Site Samping Event: Kincaid- 2Q24
LIMS Workorder: 24050124
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Summary
Kincaid- 2Q 2024

WO Sample	Well ID	COMMENTS
001	MW-01	
002	MW-02	
003	MW-03	
004	MW-05	
005	MW-06	
006	MW-07	
007	MW-07S	
008	MW-08	
009	MW-08S	Dry- no sample
010	MW-11	
011	MW-12	
012	MW-20	
013	MW-20S	
014	MW-23	
015	MW-27	Dry dyring purge on 5/20, able to yield sample on 5/21
016	MW-28	
017	MW-30	
018	MW-31	
019	MW-31S	
020	MW-32	
021	PZ4!A	
022	PZ4!C	
023	XSG-01	
024	YSG-02	
025	YSG-03	
026	Field Blank	
027	MW-08 Duplicate	
028	Equipment Blank 1	

Site Samping Event: Kincaid- 2Q24
LIMS Workorder: 24050124
Technician(s): DC, JC, TC, BG, PY

Stabilized Field Parameters Summary
Kincaid- 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-01	5/20/2024	13:12	16.4	61.5	6.48	543.8	1.10	5.06	132.2	15.48	24050124-001A
MW-02	5/20/2024	10:02	15.7	60.2	7.21	485.1	0.28	48.83	35.2	7.31	24050124-002A
MW-03	5/20/2024	12:15	15.7	60.2	6.73	595.4	0.35	5.84	247.0	8.76	24050124-003A
MW-05	5/20/2024	14:16	17.2	63.0	6.51	841.9	0.46	27.25	39.9	26.45	24050124-004A
MW-06	5/20/2024	12:48	13.4	56.1	6.44	609.5	6.07	4.66	69.3	9.06	24050124-005A
MW-07	5/20/2024	13:40	13.4	56.2	6.97	759.5	1.00	4.53	-61.9	9.65	24050124-006A
MW-07S	5/20/2024	14:31	16.9	62.4	6.71	1,337.4	1.55	2.82	-57.0	10.49	24050124-007A
MW-08	5/20/2024	13:42	17.2	62.9	6.60	1,189.6	0.95	3.62	92.2	8.44	24050124-008A
MW-08S	5/20/2024	10:35	Dry- No Sample							9.76	24050124-009A
MW-11	5/20/2024	11:24	15.9	60.6	6.77	640.9	0.83	2.68	172.5	11.89	24050124-010A
MW-12	5/20/2024	11:06	14.4	57.9	6.50	1,366.4	0.76	9.28	-35.7	6.57	24050124-011A
MW-20	5/20/2024	12:51	15.3	59.5	6.89	677.5	0.28	9.17	264.3	6.24	24050124-012A
MW-20S	5/21/2024	10:09	17.0	62.6	6.62	1,568.4	0.66	31.25	249.5	6.25	24050124-013A
MW-23	5/20/2024	10:50	15.7	60.3	6.79	651.4	0.28	5.14	133.0	16.58	24050124-014A
MW-27	5/21/2024	12:11	17.9	64.3	6.97	1,756.4	3.14	280.04	-14.4	13.40	24050124-015A
MW-28	5/20/2024	11:56	14.8	58.7	6.64	2,098.9	0.94	5.22	36.7	6.74	24050124-016A
MW-30	5/20/2024	15:03	18.2	64.8	6.73	1,101.6	1.36	8.06	-77.5	24.52	24050124-017A
MW-31	5/21/2024	10:53	19.9	67.8	6.72	1,139.8	1.63	4.58	-61.4	30.44	24050124-018A
MW-31S	5/21/2024	11:36	20.9	69.6	6.77	1,308.9	3.57	35.54	-42.7	23.16	24050124-019A
MW-32	5/20/2024	13:40	16.4	61.5	6.40	922.6	0.48	2.91	193.1	23.18	24050124-020A
PZ4!A	5/21/2024	11:04	20.7	69.3	6.79	1,206.5	4.22	33.47	272.1	7.85	24050124-021A
PZ4!C	5/21/2024	11:23	20.4	68.7	6.82	998.9	0.59	21.58	-112.7	7.24	24050124-022A
XSG-01	5/20/2024	9:48	DTW Only							5.21	24050124-023A
YSG-02	5/20/2024	12:18	DTW Only							20.37	24050124-024A
YSG-03	5/20/2024	10:54	DTW Only							13.08	24050124-025A
Field Blank	5/21/2024	11:31	QA/QC Sample							-	24050124-026A
MW-08 Duplicate	5/20/2024	13:42	17.2	62.9	6.60	1,189.6	0.95	3.62	92.2	8.44	24050124-027A
Equipment Blank 1	5/21/2024	11:37	QA/QC Sample							-	24050124-028A

Site Samping Event: Kincaid- 2Q24
LIMS Workorder: 24050124
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Kincaid- 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-01	5/20/2024	12:39	15.48	17.0	62.5	6.49	543.0	1.25	16.87	126.3
MW-01	5/20/2024	12:42	15.48	16.9	62.4	6.49	542.7	1.25	16.95	127.0
MW-01	5/20/2024	12:45	15.48	16.8	62.2	6.49	542.7	1.27	15.41	127.7
MW-01	5/20/2024	12:48	15.48	16.7	62.1	6.49	544.5	1.27	11.07	128.6
MW-01	5/20/2024	12:51	15.48	16.5	61.8	6.49	544.4	1.27	9.77	129.5
MW-01	5/20/2024	12:54	15.48	16.4	61.4	6.48	545.0	1.26	10.85	130.2
MW-01	5/20/2024	12:57	15.48	16.3	61.4	6.48	544.0	1.25	8.97	130.5
MW-01	5/20/2024	13:00	15.48	16.4	61.5	6.48	542.3	1.19	8.85	130.8
MW-01	5/20/2024	13:03	15.48	16.4	61.4	6.48	545.0	1.13	7.25	131.2
MW-01	5/20/2024	13:06	15.48	16.4	61.6	6.48	545.1	1.11	5.64	131.7
MW-01	5/20/2024	13:09	15.48	16.5	61.7	6.48	544.0	1.11	5.73	131.9
MW-01	5/20/2024	13:12	15.48	16.4	61.5	6.48	543.8	1.10	5.06	132.2

Site Samping Event: Kincaid- 2Q24
LIMS Workorder: 24050124
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Kincaid- 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-02	5/20/2024	9:53	7.31	15.6	60.0	7.24	486.4	0.38	44.25	90.5
MW-02	5/20/2024	9:56	7.31	15.6	60.0	7.23	485.4	0.34	44.52	63.6
MW-02	5/20/2024	9:59	7.31	15.8	60.4	7.22	485.4	0.31	49.16	46.5
MW-02	5/20/2024	10:02	7.31	15.7	60.2	7.21	485.1	0.28	48.83	35.2

Site Samping Event: Kincaid- 2Q24
LIMS Workorder: 24050124
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Kincaid- 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-03	5/20/2024	12:00	8.76	16.0	60.9	6.70	598.5	1.37	8.92	220.5
MW-03	5/20/2024	12:03	8.76	15.8	60.4	6.70	598.0	1.16	8.04	237.3
MW-03	5/20/2024	12:06	8.76	15.7	60.3	6.69	596.7	0.80	7.78	244.7
MW-03	5/20/2024	12:09	8.76	15.7	60.3	6.69	596.1	0.56	6.79	246.7
MW-03	5/20/2024	12:12	8.76	15.6	60.2	6.72	596.1	0.43	6.66	246.8
MW-03	5/20/2024	12:15	8.76	15.7	60.2	6.73	595.4	0.35	5.84	247.0

Site Samping Event: Kincaid- 2Q24
LIMS Workorder: 24050124
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Kincaid- 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-05	5/20/2024	14:07	26.45	17.3	63.1	6.52	837.3	0.83	29.95	48.2
MW-05	5/20/2024	14:10	26.45	17.3	63.1	6.52	839.6	0.68	30.63	48.0
MW-05	5/20/2024	14:13	26.45	17.2	62.9	6.51	841.0	0.55	28.93	44.0
MW-05	5/20/2024	14:16	26.45	17.2	63.0	6.51	841.9	0.46	27.25	39.9

Site Samping Event: Kincaid- 2Q24
LIMS Workorder: 24050124
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Kincaid- 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-06	5/20/2024	12:36	9.06	13.5	56.2	6.48	608.7	6.08	4.98	62.8
MW-06	5/20/2024	12:39	9.06	13.4	56.1	6.46	611.0	6.07	5.45	65.1
MW-06	5/20/2024	12:42	9.06	13.4	56.1	6.45	612.3	6.07	4.60	66.9
MW-06	5/20/2024	12:45	9.06	13.5	56.2	6.44	611.0	6.06	4.87	68.2
MW-06	5/20/2024	12:48	9.06	13.4	56.1	6.44	609.5	6.07	4.66	69.3

Site Samping Event: Kincaid- 2Q24
LIMS Workorder: 24050124
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Kincaid- 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-07	5/20/2024	13:31	9.65	13.7	56.6	7.03	761.2	1.42	5.85	-24.9
MW-07	5/20/2024	13:34	9.65	13.4	56.2	7.02	753.4	1.19	4.70	-48.3
MW-07	5/20/2024	13:37	9.65	13.4	56.2	7.00	748.6	1.06	4.64	-57.3
MW-07	5/20/2024	13:40	9.65	13.4	56.2	6.97	759.5	1.00	4.53	-61.9

Site Samping Event: Kincaid- 2Q24
LIMS Workorder: 24050124
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Kincaid- 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-07S	5/20/2024	14:16	10.49	16.6	61.9	6.73	1,339.4	2.36	5.73	-48.6
MW-07S	5/20/2024	14:19	10.49	16.7	62.0	6.72	1,341.4	2.06	4.38	-51.8
MW-07S	5/20/2024	14:22	10.49	16.7	62.1	6.72	1,340.1	1.87	3.96	-53.8
MW-07S	5/20/2024	14:25	10.49	16.7	62.1	6.72	1,338.8	1.75	3.19	-55.1
MW-07S	5/20/2024	14:28	10.49	16.7	62.0	6.71	1,338.3	1.63	2.97	-56.0
MW-07S	5/20/2024	14:31	10.49	16.9	62.4	6.71	1,337.4	1.55	2.82	-57.0

Site Samping Event: Kincaid- 2Q24
LIMS Workorder: 24050124
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Kincaid- 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-08	5/20/2024	13:33	8.44	17.5	63.5	6.60	1,189.5	2.22	4.57	110.3
MW-08	5/20/2024	13:36	8.44	17.5	63.4	6.60	1,189.9	1.47	4.14	99.9
MW-08	5/20/2024	13:39	8.44	17.3	63.1	6.59	1,191.6	1.14	3.79	97.9
MW-08	5/20/2024	13:42	8.44	17.2	62.9	6.60	1,189.6	0.95	3.62	92.2

Site Samping Event: Kincaid- 2Q24
LIMS Workorder: 24050124
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Kincaid- 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-08S	5/20/2024	10:35	9.76	Dry- No Sample						

Site Samping Event: Kincaid- 2Q24
LIMS Workorder: 24050124
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Kincaid- 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-11	5/20/2024	11:12	11.89	15.9	60.7	6.79	657.0	0.96	3.47	257.7
MW-11	5/20/2024	11:15	11.89	16.0	60.7	6.78	654.2	0.72	3.15	249.7
MW-11	5/20/2024	11:18	11.89	15.9	60.6	6.77	655.2	0.58	2.91	228.1
MW-11	5/20/2024	11:21	11.89	15.8	60.4	6.77	655.8	0.48	2.47	199.2
MW-11	5/20/2024	11:24	11.89	15.9	60.6	6.77	640.9	0.83	2.68	172.5

Site Samping Event: Kincaid- 2Q24
LIMS Workorder: 24050124
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Kincaid- 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-12	5/20/2024	10:51	6.57	14.4	57.9	6.56	1,332.4	0.93	17.35	-47.8
MW-12	5/20/2024	10:54	6.57	14.3	57.7	6.55	1,346.5	0.88	14.98	-45.1
MW-12	5/20/2024	10:57	6.57	14.2	57.6	6.53	1,350.3	0.84	12.44	-42.7
MW-12	5/20/2024	11:00	6.57	14.2	57.6	6.52	1,357.2	0.80	11.36	-40.2
MW-12	5/20/2024	11:03	6.57	14.4	57.9	6.51	1,361.6	0.78	10.22	-37.6
MW-12	5/20/2024	11:06	6.57	14.4	57.9	6.50	1,366.4	0.76	9.28	-35.7

Site Samping Event: Kincaid- 2Q24
LIMS Workorder: 24050124
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Kincaid- 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-20	5/20/2024	12:39	6.24	15.0	58.9	6.86	677.5	0.89	10.28	270.7
MW-20	5/20/2024	12:42	6.24	15.3	59.5	6.85	677.3	0.50	9.03	268.3
MW-20	5/20/2024	12:45	6.24	15.3	59.6	6.87	676.8	0.39	8.72	267.9
MW-20	5/20/2024	12:48	6.24	15.3	59.6	6.88	677.2	0.32	8.50	265.8
MW-20	5/20/2024	12:51	6.24	15.3	59.5	6.89	677.5	0.28	9.17	264.3

Site Samping Event: Kincaid- 2Q24
LIMS Workorder: 24050124
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Kincaid- 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-20S	5/21/2024	9:57	6.25	17.4	63.3	6.65	1,870.7	1.39	59.12	267.8
MW-20S	5/21/2024	10:00	6.25	17.4	63.3	6.64	1,850.7	1.21	41.83	261.5
MW-20S	5/21/2024	10:03	6.25	17.0	62.6	6.63	1,768.1	0.99	29.77	258.9
MW-20S	5/21/2024	10:06	6.25	16.8	62.2	6.63	1,642.8	0.81	27.56	255.8
MW-20S	5/21/2024	10:09	6.25	17.0	62.6	6.62	1,568.4	0.66	31.25	249.5

Site Samping Event: Kincaid- 2Q24
LIMS Workorder: 24050124
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Kincaid- 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-23	5/20/2024	10:41	16.58	15.6	60.2	6.80	652.3	0.68	8.75	241.6
MW-23	5/20/2024	10:44	16.58	15.7	60.3	6.80	651.9	0.40	6.13	217.0
MW-23	5/20/2024	10:47	16.58	15.7	60.3	6.80	651.7	0.32	5.28	178.1
MW-23	5/20/2024	10:50	16.58	15.7	60.3	6.79	651.4	0.28	5.14	133.0

Site Samping Event: Kincaid- 2Q24
LIMS Workorder: 24050124
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Kincaid- 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-27	5/21/2024	12:08	13.4	17.4	63.3	7.58	1,801.0	5.21	279.72	48.2
MW-27	5/21/2024	12:11	13.4	17.9	64.3	6.97	1,756.4	3.14	280.04	-14.4
Well purged dry on 5/20; sampled prior to stabilization on 5/21 to ensure sample collection										

Site Samping Event: Kincaid- 2Q24
LIMS Workorder: 24050124
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Kincaid- 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-28	5/20/2024	11:38	6.74	15.3	59.5	6.70	2,107.3	1.83	6.62	40.3
MW-28	5/20/2024	11:41	6.74	15.3	59.5	6.67	2,127.2	1.36	8.64	39.1
MW-28	5/20/2024	11:44	6.74	15.3	59.6	6.66	2,145.4	1.14	6.46	38.2
MW-28	5/20/2024	11:47	6.74	15.2	59.4	6.66	2,151.6	1.11	3.85	37.5
MW-28	5/20/2024	11:50	6.74	15.1	59.2	6.65	2,152.9	1.07	2.71	37.1
MW-28	5/20/2024	11:53	6.74	15.0	59.0	6.64	2,139.9	0.98	4.37	36.9
MW-28	5/20/2024	11:56	6.74	14.8	58.7	6.64	2,098.9	0.94	5.22	36.7

Site Samping Event: Kincaid- 2Q24
LIMS Workorder: 24050124
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Kincaid- 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-30	5/20/2024	14:48	24.52	18.1	64.6	6.71	1,097.8	1.81	16.53	-74.9
MW-30	5/20/2024	14:51	24.52	18.2	64.7	6.72	1,099.6	1.75	10.82	-76.0
MW-30	5/20/2024	14:54	24.52	18.2	64.7	6.72	1,099.8	1.59	9.49	-76.9
MW-30	5/20/2024	14:57	24.52	18.1	64.7	6.72	1,101.0	1.49	9.14	-77.3
MW-30	5/20/2024	15:00	24.52	18.2	64.7	6.72	1,100.9	1.40	8.99	-77.5
MW-30	5/20/2024	15:03	24.52	18.2	64.8	6.73	1,101.6	1.36	8.06	-77.5

Site Samping Event: Kincaid- 2Q24
LIMS Workorder: 24050124
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Kincaid- 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-31	5/21/2024	10:44	30.44	19.6	67.3	6.77	1,109.5	2.16	8.34	-73.2
MW-31	5/21/2024	10:47	30.44	19.8	67.7	6.74	1,115.2	2.02	5.15	-66.8
MW-31	5/21/2024	10:50	30.44	19.9	67.8	6.72	1,130.3	1.84	6.23	-62.6
MW-31	5/21/2024	10:53	30.44	19.9	67.8	6.72	1,139.8	1.63	4.58	-61.4

Site Samping Event: Kincaid- 2Q24
LIMS Workorder: 24050124
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Kincaid- 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-31S	5/21/2024	11:27	23.16	19.4	66.9	6.75	1,305.3	1.34	37.14	-29.6
MW-31S	5/21/2024	11:30	23.16	18.6	65.4	6.74	1,308.8	1.23	428.53	-41.9
MW-31S	5/21/2024	11:33	23.16	19.9	67.8	6.73	1,307.3	2.47	32.64	-40.0
MW-31S	5/21/2024	11:36	23.16	20.9	69.6	6.77	1,308.9	3.57	35.54	-42.7

Site Samping Event: Kincaid- 2Q24
LIMS Workorder: 24050124
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Kincaid- 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-32	5/20/2024	13:22	23.18	16.6	61.8	6.45	925.5	1.53	4.22	151.2
MW-32	5/20/2024	13:25	23.18	16.5	61.7	6.48	922.0	1.87	3.72	184.4
MW-32	5/20/2024	13:28	23.18	16.5	61.7	6.44	924.8	1.27	3.55	194.8
MW-32	5/20/2024	13:31	23.18	16.5	61.7	6.42	924.6	0.88	3.37	195.6
MW-32	5/20/2024	13:34	23.18	16.4	61.6	6.41	923.4	0.68	3.37	195.6
MW-32	5/20/2024	13:37	23.18	16.4	61.5	6.40	923.5	0.56	3.41	193.4
MW-32	5/20/2024	13:40	23.18	16.4	61.5	6.40	922.6	0.48	2.91	193.1

Site Samping Event: Kincaid- 2Q24
LIMS Workorder: 24050124
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Kincaid- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
PZ4!C	5/21/2024	11:14	7.24	16.6	61.9	6.84	989.2	0.77	35.47	-108.6
PZ4!C	5/21/2024	11:17	7.24	18.5	65.4	6.81	998.6	0.60	26.89	-111.6
PZ4!C	5/21/2024	11:20	7.24	20.1	68.1	6.81	992.3	0.60	26.00	-113.5
PZ4!C	5/21/2024	11:23	7.24	20.4	68.7	6.82	998.9	0.59	21.58	-112.7

Site Samping Event: Kincaid- 2Q24
LIMS Workorder: 24050124
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Kincaid- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
XSG-01	5/20/2024	9:48	5.21	DTW Only						

Site Samping Event: Kincaid- 2Q24
LIMS Workorder: 24050124
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Kincaid- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
YSG-02	5/20/2024	12:18	20.37	DTW Only						

Site Samping Event: Kincaid- 2Q24
LIMS Workorder: 24050124
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Kincaid- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
YSG-03	5/20/2024	10:54	13.08	DTW Only						

Site Samping Event: Kincaid- 2Q24
LIMS Workorder: 24050124
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Kincaid- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
Field Blank	5/21/2024	11:31	QA/QC Sample							

Site Samping Event: Kincaid- 2Q24
LIMS Workorder: 24050124
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Kincaid- 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-08 Duplicate	5/20/2024	13:33	8.44	17.5	63.5	6.60	1,189.5	2.22	4.57	110.3
MW-08 Duplicate	5/20/2024	13:36	8.44	17.5	63.4	6.60	1,189.9	1.47	4.14	99.9
MW-08 Duplicate	5/20/2024	13:39	8.44	17.3	63.1	6.59	1,191.6	1.14	3.79	97.9
MW-08 Duplicate	5/20/2024	13:42	8.44	17.2	62.9	6.60	1,189.6	0.95	3.62	92.2

Site Samping Event: Kincaid- 2Q24
LIMS Workorder: 24050124
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Kincaid- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
Equipment Blank 1	5/21/2024	11:37	QA/QC Sample							

Site Samping Event: Kincaid- 2Q24
LIMS Workorder: 24050124
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
Kincaid- 2Q 2024

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 45986 Technician(s): Tracy Carroll Date: 5/20/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230830B	3.99	5/20/24 10:13
7.0 Buffer	WC240307F	7.02	5/20/24 10:06
10.0 Buffer	WC230619B	10.04	5/20/24 10:24
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1412	5/20/24 10:33

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	2	5/20/24 10:33
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	5/20/24 10:33	23.8	7.03	1,413	2		
CCV-1	CCV	5/20/24 15:21	26.5	6.99	1,440	1.99		

Comments:

Site Samping Event: Kincaid- 2Q24
LIMS Workorder: 24050124
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
Kincaid- 2Q 2024

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 218083 Technician(s): justin colp Date: 5/20/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230830b	4.00	5/20/24 9:08
7.0 Buffer	wc240307f	6.98	5/20/24 9:04
10.0 Buffer	wc230619b	9.98	5/20/24 9:11
LCS/CCV (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1408	5/20/24 9:15

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.83	5/20/24 9:19
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-1	LCS	5/20/24 9:21	20.2	6.98	1,408	0.83		
CCV-1	CCV	5/20/24 14:39	21.6	7.02	1,415	0.91		

Comments:

Field Meter ID: Pine 218083 Technician(s): justin colp Date: 5/21/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230830b	4.00	5/21/24 9:13
7.0 Buffer	wc240307f	6.99	5/21/24 9:08
10.0 Buffer	wc230619b	10.00	5/21/24 9:17
LCS/CCV (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1413	5/21/24 9:21

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.88	5/21/24 9:23
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-2	LCS	5/21/24 9:28	21.3	6.99	1,413	0.88		
CCV-2	CCV	5/21/24 12:15	22.1	7.01	1,420	0.92		

Comments:

Site Samping Event: Kincaid- 2Q24
LIMS Workorder: 24050124
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
Kincaid- 2Q 2024

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 26559 Technician(s): B. Gillihan Date: 5/20/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230830b	4.00	5/20/24 11:56
7.0 Buffer	wc240307f	7.01	5/20/24 11:57
10.0 Buffer	wc231027d	10.04	5/20/24 12:05
LCS/CCV (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1414	5/20/24 12:09

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.4	5/20/24 12:14
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	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-1	LCS	5/20/24 12:17	23.01	7.02	1,414	1.4		
CCV-1	CCV	5/20/24 15:22	24.09	7.03	1,414	1.5		

Comments:

Field Meter ID: Pine 26559 Technician(s): B. Gillihan Date: 5/21/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230830b	4.01	5/21/24 8:57
7.0 Buffer	wc240307f	7.00	5/21/24 9:05
10.0 Buffer	wc231027d	10.00	5/21/24 9:11
LCS/CCV (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1418	5/21/24 9:15

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.5	5/21/24 9:19
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-2	LCS	5/21/24 14:02	18.4	7.01	1,418	1.5		
CCV-2	CCV	5/21/24 14:00	22	7.02	1,418	1.5		

Comments:

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 43197
Description YSI ProDSS Display
Calibrated 4/26/2024 6:27:15PM

Manufacturer	YSI	**State Certified**	
Model Number	ProDSS	**Status**	Pass
Serial Number/ Lot Number	18E105408	**Temp °C**	22.2
Location	St. Louis	**Humidity %**	43
Department			

Calibration Specifications

Group # 1
Group Name Functional / Datalogging Test
Test Performed: Yes **As Found Result: Pass** **As Left Result: Pass**

Test Instruments Used During the Calibration **(As Of Cal Entry Date)**

Test Standard ID	Description	Manufacturer	Model Number	Serial Number / Lot Number	Next Cal Date / Last Cal Date/ Expiration Date Opened Date

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated Chris Harkins

All instruments are calibrated by Pine Environmental Services LLC according to the manufacturer's specifications, but it is the customer's responsibility to calibrate and maintain this unit in accordance with the manufacturer's specifications and/or the customer's own specific needs.

Notify Pine Environmental Services LLC of any defect within 24 hours of receipt of equipment
Please call 800-301-9663 for Technical Assistance

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC
11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 26599
Description YSI ProDSS
Calibrated 4/26/2024 6:29:23PM

Manufacturer YSI
Model Number ProDSS
Serial Number/ Lot Number 15H101893
Location St. Louis
Department

State Certified
Status Pass
Temp °C 22.2
Humidity % 43

Calibration Specifications

Group # 1
Group Name PH
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
7.00 / 7.00	PH	7.00	PH	7.37	7.02	0.29%	Pass
4.00 / 4.00	PH	4.00	PH	4.41	4.00	0.00%	Pass
10.00 / 10.00	PH	10.00	PH	10.22	10.05	0.50%	Pass

Group # 2
Group Name Turbidity
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
0.00 / 0.00	NTU	0.00	NTU	0.31	0.00	0.00%	Pass
124.00 / 124.00	NTU	124.00	NTU	119.85	124.00	0.00%	Pass

Group # 3
Group Name Conductivity
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.000

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
1.413 / 1.413	ms/cm	1.413	ms/cm	1.494	1.413	0.00%	Pass

Group # 4
Group Name Redox (ORP)
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.0

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
240.0 / 240.0	mv	240.0	mv	225.8	240.0	0.00%	Pass

Group # 5
Group Name Disolved Oxygen Span
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.0

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC
11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 43907
Description YSI ProDSS
Calibrated 4/25/2024 3:34:30PM

Manufacturer	YSI	**State Certified**	
Model Number	PRO DSS	**Status**	Pass
Serial Number/ Lot Number	18J103033	**Temp °C**	22.2
Location	St. Louis	**Humidity %**	43
Department			

Calibration Specifications

Group # 1
Group Name Function Test
Test Performed: Yes **As Found Result: Pass** **As Left Result: Pass**

Test Instruments Used During the Calibration **(As Of Cal Entry Date)**

Test Standard ID	Description	Manufacturer	Model Number	Serial Number / Lot Number	Next Cal Date / Last Cal Date/ Expiration Date Opened Date

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated Chris Harkins

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 45986
Description YSI Pro DSS
Calibrated 4/25/2024 3:36:31PM

Manufacturer YSI
Model Number Pro DSS
Serial Number/ Lot Number 19E101800
Location St. Louis
Department

State Certified
Status Pass
Temp °C 22.2
Humidity % 43

Calibration Specifications

Group # 1
Group Name PH
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
7.00 / 7.00	PH	7.00	PH	7.71	7.02	0.29%	Pass
4.00 / 4.00	PH	4.00	PH	4.83	4.00	0.00%	Pass
10.00 / 10.00	PH	10.00	PH	10.49	10.05	0.50%	Pass

Group # 2
Group Name Turbidity
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
0.00 / 0.00	NTU	0.00	NTU	2.33	0.00	0.00%	Pass
124.00 / 124.00	NTU	124.00	NTU	98.92	124.00	0.00%	Pass

Group # 3
Group Name Conductivity
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.000

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
1.413 / 1.413	ms/cm	1.413	ms/cm	1.550	1.413	0.00%	Pass

Group # 4
Group Name Redox (ORP)
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
240.00 / 240.00	mv	240.00	mv	200.30	240.00	0.00%	Pass

Group # 5
Group Name Disolved Oxygen Span
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 218050
Description YSI Pro DSS Display
Calibrated 4/26/2024 6:24:40PM

Manufacturer	YSI	**State Certified**	
Model Number	YSI Pro Dss	**Status**	Pass
Serial Number/ Lot Number	23E101406	**Temp °C**	22.2
Location	St. Louis	**Humidity %**	43
Department			

Calibration Specifications

Group # 1
Group Name Instrument Test
Test Performed: Yes **As Found Result: Pass** **As Left Result: Pass**

Test Instruments Used During the Calibration **(As Of Cal Entry Date)**

Test Standard ID	Description	Manufacturer	Model Number	Serial Number / Lot Number	Next Cal Date / Last Cal Date/ Expiration Date Opened Date

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated Chris Harkins

All instruments are calibrated by Pine Environmental Services LLC according to the manufacturer's specifications, but it is the customer's responsibility to calibrate and maintain this unit in accordance with the manufacturer's specifications and/or the customer's own specific needs.

Notify Pine Environmental Services LLC of any defect within 24 hours of receipt of equipment
Please call 800-301-9663 for Technical Assistance

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 218083
Description YSI Pro DSS Sonde
Calibrated 4/26/2024 6:26:38PM

Manufacturer YSI
Model Number Pro DSS
Serial Number/ Lot Number 23F102674
Location St. Louis
Department

State Certified
Status Pass
Temp °C 22.2
Humidity % 43

Calibration Specifications

Group # 1
Group Name PH
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
7.00 / 7.00	PH	7.00	PH	7.34	7.02	0.29%	Pass
4.00 / 4.00	PH	4.00	PH	4.36	4.00	0.00%	Pass
10.00 / 10.00	PH	10.00	PH	10.27	10.05	0.50%	Pass

Group # 2
Group Name Turbidity (NTU)
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
0.00 / 0.00	FNU	0.00	FNU	0.44	0.00	0.00%	Pass
124.00 / 124.00	FNU	124.00	FNU	115.85	124.00	0.00%	Pass

Group # 3
Group Name Conductivity
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.000

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
1.413 / 1.413	ms/cm	1.413	ms/cm	1.510	1.413	0.00%	Pass

Group # 4
Group Name Redox (ORP)
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
240.00 / 240.00	mv	240.00	mv	223.10	240.00	0.00%	Pass

Group # 5
Group Name Dissolved Oxygen Span
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail

Teklab, Inc.
Environmental Laboratory

http://www.teklabinc.com/

June 19, 2024

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

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

RE: KIN-24Q2 **WorkOrder:** 24050125

Dear Eric Bauer:

TEKLAB, INC received 25 samples on 5/21/2024 2:15:00 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: 24050125
Client Project: KIN-24Q2
Report Date: 19-Jun-24

This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
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Accreditations	6
Laboratory Results	7
Sample Summary	31
Receiving Check List	32
Chain of Custody	Appended

Definitions

Client: Ramboll **Work Order:** 24050125

Client Project: KIN-24Q2 **Report Date:** 19-Jun-24

Abbr Definition

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

Definitions

Client: Ramboll **Work Order:** 24050125

Client Project: KIN-24Q2 **Report Date:** 19-Jun-24

Qualifiers

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

Teklab, Inc. Environmental Laboratory

Case Narrative

Client: Ramboll
Work Order: 24050125
Client Project: KIN-24Q2
Report Date: 19-Jun-24

Cooler Receipt Temp: 8.7 °C

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

MW-08S could not be collected; the well was dry. Equipment Blanks 2 and 3 were not needed.

MW-27 and MW-30 collection time per field file(s). FB/EAH 5/22/24

Ra226/228 analyses were performed by Eurofins St. Louis. See attached report for results and QC.

Locations

Collinsville

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

Springfield

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

Kansas City

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

Collinsville Air

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

Chicago

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

Accreditations

Client: Ramboll **Work Order:** 24050125

Client Project: KIN-24Q2 **Report Date:** 19-Jun-24

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2025	Collinsville
Illinois	IEPA	1004652024-2	NELAP	4/30/2025	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2025	Collinsville
Louisiana	LDEQ	05002	NELAP	6/30/2024	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2024	Collinsville
Oklahoma	ODEQ	9978	NELAP	8/31/2024	Collinsville
Arkansas	ADEQ	88-0966		3/14/2025	Collinsville
Illinois	IDPH	17584		5/31/2025	Collinsville
Iowa	IDNR	430		6/1/2026	Collinsville
Kentucky	UST	0073		1/31/2025	Collinsville
Mississippi	MSDH			4/30/2025	Collinsville
Missouri	MDNR	930		1/31/2025	Collinsville
Missouri	MDNR	00930		10/31/2026	Collinsville

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24050125

Client Project: KIN-24Q2 **Report Date:** 19-Jun-24

Lab ID: 24050125-001 **Client Sample ID:** MW-01

Matrix: GROUNDWATER **Collection Date:** 05/20/2024 13:12

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	06/13/2024 12:18	R349025

Laboratory Results

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

Client: Ramboll **Work Order:** 24050125

Client Project: KIN-24Q2 **Report Date:** 19-Jun-24

Lab ID: 24050125-002 **Client Sample ID:** MW-02

Matrix: GROUNDWATER **Collection Date:** 05/20/2024 10:02

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	06/13/2024 12:18	R349025

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24050125

Client Project: KIN-24Q2 **Report Date:** 19-Jun-24

Lab ID: 24050125-003 **Client Sample ID:** MW-03

Matrix: GROUNDWATER **Collection Date:** 05/20/2024 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	06/13/2024 12:18	R349025

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24050125

Client Project: KIN-24Q2 **Report Date:** 19-Jun-24

Lab ID: 24050125-004 **Client Sample ID:** MW-05

Matrix: GROUNDWATER **Collection Date:** 05/20/2024 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	06/13/2024 12:18	R349025

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24050125

Client Project: KIN-24Q2 **Report Date:** 19-Jun-24

Lab ID: 24050125-005 **Client Sample ID:** MW-06

Matrix: GROUNDWATER **Collection Date:** 05/20/2024 12:48

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	06/13/2024 12:18	R349025

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24050125

Client Project: KIN-24Q2 **Report Date:** 19-Jun-24

Lab ID: 24050125-006 **Client Sample ID:** MW-07

Matrix: GROUNDWATER **Collection Date:** 05/20/2024 13:40

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	06/13/2024 12:18	R349025

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24050125

Client Project: KIN-24Q2 **Report Date:** 19-Jun-24

Lab ID: 24050125-007 **Client Sample ID:** MW-07S

Matrix: GROUNDWATER **Collection Date:** 05/20/2024 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	06/13/2024 12:18	R349025

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24050125

Client Project: KIN-24Q2 **Report Date:** 19-Jun-24

Lab ID: 24050125-008 **Client Sample ID:** MW-08

Matrix: GROUNDWATER **Collection Date:** 05/20/2024 13:42

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	06/13/2024 12:11	R349025

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24050125

Client Project: KIN-24Q2 **Report Date:** 19-Jun-24

Lab ID: 24050125-010 **Client Sample ID:** MW-11

Matrix: GROUNDWATER **Collection Date:** 05/20/2024 11:24

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	06/13/2024 12:11	R349025

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24050125

Client Project: KIN-24Q2 **Report Date:** 19-Jun-24

Lab ID: 24050125-011 **Client Sample ID:** MW-12

Matrix: GROUNDWATER **Collection Date:** 05/20/2024 11:06

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	06/13/2024 12:11	R349025

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24050125

Client Project: KIN-24Q2 **Report Date:** 19-Jun-24

Lab ID: 24050125-012 **Client Sample ID:** MW-20

Matrix: GROUNDWATER **Collection Date:** 05/20/2024 12:51

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	06/13/2024 12:11	R349025

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24050125

Client Project: KIN-24Q2 **Report Date:** 19-Jun-24

Lab ID: 24050125-013 **Client Sample ID:** MW-20S

Matrix: GROUNDWATER **Collection Date:** 05/21/2024 10:09

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	06/13/2024 12:11	R349025

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24050125

Client Project: KIN-24Q2 **Report Date:** 19-Jun-24

Lab ID: 24050125-014 **Client Sample ID:** MW-23

Matrix: GROUNDWATER **Collection Date:** 05/20/2024 10:50

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	06/13/2024 12:11	R349025

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24050125

Client Project: KIN-24Q2 **Report Date:** 19-Jun-24

Lab ID: 24050125-015 **Client Sample ID:** MW-27

Matrix: GROUNDWATER **Collection Date:** 05/21/2024 12:11

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	06/13/2024 12:11	R349025

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24050125

Client Project: KIN-24Q2 **Report Date:** 19-Jun-24

Lab ID: 24050125-016 **Client Sample ID:** MW-28

Matrix: GROUNDWATER **Collection Date:** 05/20/2024 11:56

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	06/13/2024 12:11	R349025

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24050125

Client Project: KIN-24Q2 **Report Date:** 19-Jun-24

Lab ID: 24050125-017 **Client Sample ID:** MW-30

Matrix: GROUNDWATER **Collection Date:** 05/20/2024 15:03

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	06/13/2024 12:11	R349025

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24050125

Client Project: KIN-24Q2 **Report Date:** 19-Jun-24

Lab ID: 24050125-018 **Client Sample ID:** MW-31

Matrix: GROUNDWATER **Collection Date:** 05/21/2024 10:53

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	06/13/2024 12:12	R349025

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24050125

Client Project: KIN-24Q2 **Report Date:** 19-Jun-24

Lab ID: 24050125-019 **Client Sample ID:** MW-31S

Matrix: GROUNDWATER **Collection Date:** 05/21/2024 11:36

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	06/13/2024 12:12	R349025

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24050125

Client Project: KIN-24Q2 **Report Date:** 19-Jun-24

Lab ID: 24050125-020 **Client Sample ID:** MW-32

Matrix: GROUNDWATER **Collection Date:** 05/20/2024 13:40

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	06/13/2024 12:12	R349025

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24050125

Client Project: KIN-24Q2 **Report Date:** 19-Jun-24

Lab ID: 24050125-021 **Client Sample ID:** PZ4!A

Matrix: GROUNDWATER **Collection Date:** 05/21/2024 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	06/13/2024 14:13	R349025

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24050125

Client Project: KIN-24Q2 **Report Date:** 19-Jun-24

Lab ID: 24050125-022 **Client Sample ID:** PZ4!C

Matrix: GROUNDWATER **Collection Date:** 05/21/2024 11:23

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	06/14/2024 11:49	R349025

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24050125

Client Project: KIN-24Q2 **Report Date:** 19-Jun-24

Lab ID: 24050125-023 **Client Sample ID:** Field Blank

Matrix: AQUEOUS **Collection Date:** 05/21/2024 11:31

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	06/14/2024 11:49	R349025

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24050125

Client Project: KIN-24Q2 **Report Date:** 19-Jun-24

Lab ID: 24050125-024 **Client Sample ID:** MW-08 Duplicate

Matrix: GROUNDWATER **Collection Date:** 05/20/2024 13:42

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	06/14/2024 11:49	R349025

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24050125

Client Project: KIN-24Q2 **Report Date:** 19-Jun-24

Lab ID: 24050125-025 **Client Sample ID:** Equipment Blank 1

Matrix: AQUEOUS **Collection Date:** 05/21/2024 11:37

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	06/14/2024 11:49	R349025

Sample Summary

Client: Ramboll
Work Order: 24050125
Client Project: KIN-24Q2
Report Date: 19-Jun-24

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
24050125-001	MW-01	Groundwater	1	05/20/2024 13:12
24050125-002	MW-02	Groundwater	1	05/20/2024 10:02
24050125-003	MW-03	Groundwater	1	05/20/2024 12:15
24050125-004	MW-05	Groundwater	1	05/20/2024 14:16
24050125-005	MW-06	Groundwater	1	05/20/2024 12:48
24050125-006	MW-07	Groundwater	1	05/20/2024 13:40
24050125-007	MW-07S	Groundwater	1	05/20/2024 14:31
24050125-008	MW-08	Groundwater	1	05/20/2024 13:42
24050125-009	MW-08S	Groundwater	1	05/20/2024 0:00
24050125-010	MW-11	Groundwater	1	05/20/2024 11:24
24050125-011	MW-12	Groundwater	1	05/20/2024 11:06
24050125-012	MW-20	Groundwater	1	05/20/2024 12:51
24050125-013	MW-20S	Groundwater	1	05/21/2024 10:09
24050125-014	MW-23	Groundwater	1	05/20/2024 10:50
24050125-015	MW-27	Groundwater	1	05/21/2024 12:11
24050125-016	MW-28	Groundwater	1	05/20/2024 11:56
24050125-017	MW-30	Groundwater	1	05/20/2024 15:03
24050125-018	MW-31	Groundwater	1	05/21/2024 10:53
24050125-019	MW-31S	Groundwater	1	05/21/2024 11:36
24050125-020	MW-32	Groundwater	1	05/20/2024 13:40
24050125-021	PZ4!A	Groundwater	1	05/21/2024 11:04
24050125-022	PZ4!C	Groundwater	1	05/21/2024 11:23
24050125-023	Field Blank	Aqueous	1	05/21/2024 11:31
24050125-024	MW-08 Duplicate	Groundwater	1	05/20/2024 13:42
24050125-025	Equipment Blank 1	Aqueous	1	05/21/2024 11:37

Teklab, Inc. Environmental Laboratory

Receiving Check List

Client: Ramboll
Work Order: 24050125
Client Project: KIN-24Q2
Report Date: 19-Jun-24

Carrier: Tracy Carroll
Received By: PRS

Completed by: Paul Schultz
On: 21-May-24

Reviewed by: Ellie Hopkins
On: 21-May-24

Pages to follow: Chain of custody 4 Extra pages included 34

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C 8.7
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 5/20/2024 at 18:03 on ice [8.7C - LTG#5]. - pschultz - 5/21/2024 8:40:27 AM

pH strip #96651. LH pschultz - 5/21/2024 8:40:30 AM

Additional Nitric Acid (97737) was needed in MW-01, MW-02, MW-05, MW-06, MW-12, MW-20, MW-28, MW-30, and MW-32 upon arrival at the laboratory. LH - pschultz - 5/21/2024 8:40:36 AM

Samples were received on 5/21/2024 at 14:15 on ice [4.3C - LTG#7]. - pschultz - 5/21/2024 3:01:21 PM

pH strip #96651. - pschultz - 5/21/2024 3:01:23 PM

Additional Nitric Acid (97737) preservative was needed in MW-27, MW-31, and MW-31S upon arrival at the laboratory. - pschultz - 5/21/2024 3:01:25 PM

24050125

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 2

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Kincaid	Report To:	Brian Voelker, Sam Davies	Attention:	Brian Voelker, Tim Arnold
Address:	199 IL 104	Copy To:	Tim Arnold	Company Name:	Vistra Corp
	Kincaid, IL 62540			Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com Tim.Arnold@vistracorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	Liz Hurley
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: DRINKING WATER DW, WATER WT, WASTE WATER WW, PRODUCT P, SOIL/SOLID SL, OIL OL, WIPE WP, AIR AR, OTHER OT, TISSUE TS

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

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	KIN-257-141	KIN-845-141	KIN-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-01	WT	G	5-20-24	1312		2			2							X	X			24050125-001
2	MW-02	WT	G	5-20-24	1006		2			2							X	X			24050125-002
3	MW-03	WT	G	5-20-24	1215		2			2							X	X			24050125-003
4	MW-05	WT	G	5-20-24	1416		2			2							X	X			24050125-004
5	MW-06	WT	G	5/20/24	1248		2			2							X	X			24050125-005
6	MW-07	WT	G	5/20/24	1340		2			2							X	X			24050125-006
7	MW-07S	WT	G	5/20/24	1431		2			2							X	X			24050125-007
8	MW-08	WT	G	5-20-24	1392		2			2							X	X			24050125-008
9	MW-08S	WT	G	5-20-24	DRY		2			2							X	X			24050125-009
10	MW-11	WT	G	5-20-24	1124		2			2							X	X			24050125-010
11	MW-12	WT	G	5/20/24	1106		2			2							X	X			24050125-011
12	MW-20	WT	G	5-20-24	1257		2			2							X	X			24050125-012
13	MW-20S	WT	G				2			2							X	X			24050125-013
14	MW-23	WT	G	5-20-24	1052		2			2							X	X			24050125-014
15	MW-27	WT	G				2			2							X	X			24050125-015
16	MW-28	WT	G	5/20/24	1156		2			2							X	X			24050125-016

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
KIN-24Q2 Rev 0 Ra226/228, only.		5/20/24	1803		5/20/24	1803	2.7 °C; Y; N

Added HNO_3 to MW-01, MW-02, MW-20, MW-32, MW-30, MW-28, MW-05, MW-06 + MW-12. pH < 9665i

LH/RS 5/21

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Cup

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 5-20-24

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
LT65			

CHAIN-OF-CUSTODY / Analytical Request Document

24050125 KIN-257-141

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Page: 2 of 2

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Kincaid	Report To:	Brian Voelker, Sam Davies	Attention:	Brian Voelker, Tim Arnold
Address:	199 IL 104	Copy To:	Tim Arnold	Company Name:	Vistra Corp
	Kincaid, IL 62540			Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com Tim.Arnold@vistracorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	Liz Hurley
Requested Due Date/TAT:	10 day	Project Number:		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	KIN-257-141	KIN-845-141	KIN-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-30	WT	G	5-20-24	1400		2			2							X	X			24050125-017
2	MW-31	WT	G				2			2							X	X			24050125-018
3	MW-31S	WT	G				2			2							X	X			24050125-019
4	MW-32	WT	G	5-20-24	1510		2			2							X	X			24050125-020
5	PZ4!A	WT	G				2			2									X		24050125-021
6	PZ4!C	WT	G				2			2							X	X			24050125-022
7	XSG-01	WT	G				0										X	X			N/A
8	YSG-02	WT	G				0										X	X			N/A
9	YSG-03	WT	G				0										X	X			N/A
10	Field Blank	WT	G				2			2							X	X	X		24050125-023
11	MW-08 Duplicate	WT	G	5-20-24	1342		2			2							X	X			24050125-024
12	Equipment Blank 1	WT	G				2			2							X	X	X		24050125-025
13	Equipment Blank 2	WT	G				2			2							X	X	X		24050125-026
14	Equipment Blank 3	WT	G				2			2							X	X	X		24050125-027
15																					
16																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
KIN-24Q2 Rev 0 Ra226/228, only.	Justin Cobb	5/20/24	1803	Paul Zeller	5/20/24	1803

SAMPLE CONDITIONS: Y / N

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Justin Cobb		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY): 5-20-24				

24050125

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 1 of 2

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Kincaid	Report To:	Brian Voelker, Sam Davies	Attention:	Brian Voelker, Tim Arnold
Address:	199 IL 104	Copy To:	Tim Arnold	Company Name:	Vistra Corp
	Kincaid, IL 62540			Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com Tim.Arnold@vistracorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	Liz Hurley
Requested Due Date/TAT:	10 day	Project Number:		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 WW; PRODUCT SL; SOIL/SOLID OL, WP; OIL AR; WIPE OT, TS; AIR; OTHER

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	KIN-257-141	KIN-845-141	KIN-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-01	WT	G				2			2							X	X			24050125-001
2	MW-02	WT	G				2			2							X	X			24050125-002
3	MW-03	WT	G				2			2							X	X			24050125-003
4	MW-05	WT	G				2			2							X	X			24050125-004
5	MW-06	WT	G				2			2							X	X			24050125-005
6	MW-07	WT	G				2			2							X	X			24050125-006
7	MW-07S	WT	G				2			2							X	X			24050125-007
8	MW-08	WT	G				2			2							X	X			24050125-008
9	MW-08S	WT	G				2			2							X	X			24050125-009
10	MW-11	WT	G				2			2							X	X			24050125-010
11	MW-12	WT	G				2			2							X	X			24050125-011
12	MW-20	WT	G				2			2							X	X			24050125-012
13	MW-20S	WT	G	5-21-24	1009		2			2							X	X			24050125-013
14	MW-23	WT	G				2			2							X	X			24050125-014
15	MW-27	WT	G	5-21-24	1022		2			2							X	X			24050125-015
16	MW-28	WT	G				2			2							X	X			24050125-016

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
KIN-24Q2 Rev 0	J Colp	5-21	1415		5/24/24	1415	LIG7	⊙	z	
Ra226/228, only.							4.3			

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 5-21-24

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

PHW 96651

Added HNO_3 to MW27, MW31, MW315 (99737) PSS/24

24050125

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 2 of 2

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Kincaid	Report To:	Brian Voelker, Sam Davies	Attention:	Brian Voelker, Tim Arnold
Address:	199 IL 104	Copy To:	Tim Arnold	Company Name:	Vistra Corp
	Kincaid, IL 62540			Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com Tim.Arnold@vistracorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	Liz Hurley
Requested Due Date/TAT:	10 day	Project Number:		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 (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	Analysis Test Y/N	KIN-257-141	KIN-845-141	KIN-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-30	WT	G				2			2							X	X			24050125-017
2	MW-31	WT	G	5-21-24	1053		2			2							X	X			24050125-018
3	MW-31S	WT	G	5-21-24	1136		2			2							X	X			24050125-019
4	MW-32	WT	G				2			2							X	X			24050125-020
5	PZ4!A	WT	G	5-21-24	1104		2			2									X		24050125-021
6	PZ4!C	WT	G	5-21-24	1123		2			2							X	X			24050125-022
7	XSG-01	WT	G				0										X	X			N/A
8	YSG-02	WT	G				0										X	X			N/A
9	YSG-03	WT	G				0										X	X			N/A
10	Field Blank	WT	G	5-21-24	1131		2			2							X	X	X		24050125-023
11	MW-08 Duplicate	WT	G				2			2							X	X			24050125-024
12	Equipment Blank 1	WT	G	5-21-24	1137		2			2							X	X	X		24050125-025
13	Equipment Blank 2	WT	G				2			2							X	X	X		24050125-026
14	Equipment Blank 3	WT	G				2			2							X	X	X		24050125-027
15																					
16																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
KIN-24Q2 Rev 0	J. Gilp	5-21	1415		5/21/24	1415				
Ra226/228, only.										

SAMPLER NAME AND SIGNATURE			
PRINT Name of SAMPLER:	Justin Gilp	Temp in °C	
SIGNATURE of SAMPLER:		Received on Ice (Y/N)	
DATE Signed (MM/DD/YY):	5-21-24	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 6/19/2024 4:17:22 PM Revision 1

JOB DESCRIPTION

Radium-226 and Radium-228
24050125

JOB NUMBER

160-54144-1

Eurofins St. Louis
13715 Rider Trail North
Earth City MO 63045

See page two for job notes and contact information.

my EOL

Eurofins St. Louis

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins TestAmerica Project Manager.

Authorization



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Revision 1

Authorized for release by
Erika Jordan, Project Manager
erika.jordan@et.eurofinsus.com
(314)298-8566

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Definitions/Glossary 13
Method Summary 14
Sample Summary 15
Client Sample Results 16
QC Sample Results 28
QC Association Summary 31
Tracer Carrier Summary 33

CASE NARRATIVE

Client: TekLab, Inc

Project: 24050125

Report Number: 160-54144-1 Revision 1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition, all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method.

Eurofins Environment Testing attests to the validity of the laboratory data generated by Eurofins facilities reported herein. All analyses performed by Eurofins Environment Testing facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. Eurofins Environment Testing's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

Calculations are performed before rounding to avoid round-off errors in calculated results.

Proper preservation was noted for the methods performed on these samples, unless otherwise detailed below.

Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative.

Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date.

The matrix for the Method Blank and LCS/LCSD is as close to the samples as can be reasonably achieved. Detailed information can be found in the most current revision of the associated SOP.

The method blank (MB) z-score is within limits, unless stated otherwise below.

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.

Reference the chain of custody and receipt report for any variations on receipt conditions.

This laboratory report is confidential and is intended for the sole use of Eurofins TestAmerica and its client.

Revision
The report being provided is a revision of the original report sent on 6/19/2024. The report (revision 1) is being revised in order to update an incorrect collection date. Sample 24050125-020 had a collection date of 5/20/2024, rather than 5/21/2024.

Receipt
The samples were received on 5/22/2024 12:02 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 19.7°C and 20.4°C.

The client provided an updated chain-of-custody (COC) with corrected collection times for two samples. A revised COC is included in the report with the original.

Method 903.0 - Radium-226 (GFPC)
Samples 24050125-001 (160-54144-1), 24050125-002 (160-54144-2), 24050125-003 (160-54144-3), 24050125-004 (160-54144-4), 24050125-005 (160-54144-5), 24050125-006 (160-54144-6), 24050125-007 (160-54144-7), 24050125-008 (160-54144-8), 24050125-010 (160-54144-9), 24050125-011 (160-54144-10), 24050125-012 (160-54144-11), 24050125-013 (160-54144-12), 24050125-014 (160-54144-13), 24050125-015 (160-54144-14), 24050125-016 (160-54144-15), 24050125-017 (160-54144-16), 24050125-018 (160-54144-17), 24050125-019 (160-54144-18), 24050125-020 (160-54144-19), 24050125-021

Job ID: 160-54144-1 (Continued) Eurofins St. Louis

(160-54144-20), 24050125-022 (160-54144-21), 24050125-023 (160-54144-22), 24050125-024 (160-54144-23) and 24050125-025 (160-54144-24) were analyzed for Radium-226 (GFPC). The samples were prepared on 5/23/2024 and analyzed on 6/15/2024, 6/17/2024 and 6/18/2024.

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 24050125-001 (160-54144-1), 24050125-002 (160-54144-2), 24050125-003 (160-54144-3), 24050125-004 (160-54144-4), 24050125-005 (160-54144-5), 24050125-006 (160-54144-6), 24050125-007 (160-54144-7), 24050125-008 (160-54144-8), 24050125-010 (160-54144-9), 24050125-011 (160-54144-10), 24050125-012 (160-54144-11), 24050125-013 (160-54144-12), 24050125-014 (160-54144-13), 24050125-015 (160-54144-14), 24050125-016 (160-54144-15), 24050125-017 (160-54144-16), 24050125-018 (160-54144-17), 24050125-019 (160-54144-18), 24050125-020 (160-54144-19), 24050125-021 (160-54144-20), 24050125-022 (160-54144-21), 24050125-023 (160-54144-22), 24050125-024 (160-54144-23) and 24050125-025 (160-54144-24) were analyzed for Radium-228 (GFPC). The samples were prepared on 5/23/2024 and analyzed on 6/13/2024 and 6/14/2024.

The detection goal was not met for the following sample due to the reduced sample volume attributed to the presence of matrix interferences: 24050125-001 (160-54144-1) . 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 24050125-001 (160-54144-1), 24050125-002 (160-54144-2), 24050125-003 (160-54144-3), 24050125-004 (160-54144-4), 24050125-005 (160-54144-5), 24050125-006 (160-54144-6), 24050125-007 (160-54144-7), 24050125-008 (160-54144-8), 24050125-010 (160-54144-9), 24050125-011 (160-54144-10), 24050125-012 (160-54144-11), 24050125-013 (160-54144-12), 24050125-014 (160-54144-13), 24050125-015 (160-54144-14), 24050125-016 (160-54144-15), 24050125-017 (160-54144-16), 24050125-018 (160-54144-17), 24050125-019 (160-54144-18), 24050125-020 (160-54144-19), 24050125-021 (160-54144-20), 24050125-022 (160-54144-21), 24050125-023 (160-54144-22), 24050125-024 (160-54144-23) and 24050125-025 (160-54144-24) were analyzed for Combined Radium-226 and Radium-228. The samples were analyzed on 6/18/2024 and 6/19/2024.

No analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

TEKLAB, INC. Chain of Custody

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

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

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: | Sampler: Teklab Sampling Team | QC Level: 2

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

Project# 24050125

Contact: Elizabeth Hurley | Email: ehurley@teklabinc.com
Requested Due Date: Standad TAT | Billing/PO: 36249 | 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										
	24050125-001	5/20/2024 13:12	HNO3	Groundwater	✔												
	24050125-002	5/20/2024 10:02	HNO3	Groundwater	✔												
	24050125-003	5/20/2024 12:15	HNO3	Groundwater	✔												
	24050125-004	5/20/2024 14:16	HNO3	Groundwater	✔												
	24050125-005	5/20/2024 12:48	HNO3	Groundwater	✔												
	24050125-006	5/20/2024 13:40	HNO3	Groundwater	✔												
	24050125-007	5/20/2024 14:31	HNO3	Groundwater	✔												
	24050125-008	5/20/2024 13:42	HNO3	Groundwater	✔												
	24050125-010	5/20/2024 11:24	HNO3	Groundwater	✔												
	24050125-011	5/20/2024 11:06	HNO3	Groundwater	✔												
	24050125-012	5/20/2024 12:51	HNO3	Groundwater	✔												

*Relinquished By	Date/Time	Received By	Date/Time
Vaul Gilley	5/21/24		

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3/2/2016

TEKLAB, INC. Chain of Custody

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

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

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: Sampler: Teklab Sampling Team QC Level: 2

Comments: **Please Issue reports and invoices via email only**
Please analyze for Radium 226/228 per standard GW methods (Vistra project).
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Batch QC is required for all analyses requested. Excel EDD requested. IL site.

Project# 24050125

Contact: Elizabeth Hurley Email: ehurley@teklabinc.com
Requested Due Date: Standad TAT Billing/PO: 36249 Phone: 618 344-1004 ext. 33

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228									
	24050125-013	5/21/2024 10:09	HNO3	Groundwater	✔											
	24050125-014	5/20/2024 10:50	HNO3	Groundwater	✔											
	24050125-015	5/21/2024 10:22	HNO3	Groundwater	✔			Collection time 1211 per field file. EAH 6/6/24								
	24050125-016	5/20/2024 11:56	HNO3	Groundwater	✔											
	24050125-017	5/20/2024 14:00	HNO3	Groundwater	✔			Collection time 1503 per field file. EAH 6/6/24								
	24050125-018	5/21/2024 10:53	HNO3	Groundwater	✔											
	24050125-019	5/21/2024 11:36	HNO3	Groundwater	✔											
	24050125-020	5/20/2024 13:40	HNO3	Groundwater	✔											
	24050125-021	5/21/2024 11:04	HNO3	Groundwater	✔											
	24050125-022	5/21/2024 11:23	HNO3	Groundwater	✔											
	24050125-023	5/21/2024 11:31	HNO3	Groundwater	✔											

*Relinquished By	Date/Time	Received By	Date/Time
Paul Fetty	5/21/24		

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Collinsville, IL 62234

Cooler Temp: | Sampler: Teklab Sampling Team | QC Level: 2

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Project# 24050125

Contact: Elizabeth Hurley | Email: ehurley@teklabinc.com
Requested Due Date: Standad TAT | Billing/PO: 36249 | Phone: 618 344-1004 ext. 33

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228									
	24050125-024	5/20/2024 13:42	HNO3	Groundwater	✔											
	24050125-025	5/21/2024 11:37	HNO3	Aqueous	✔											
			HNO3	Other												
			HNO3	Other												
			HNO3	Other												
			HNO3	Other												
			HNO3	Other												
			HNO3	Other												
			HNO3	Other												
			HNO3	Other												
			HNO3	Other												

*Relinquished By	Date/Time	Received By	Date/Time
Paul Bellay	5/21/24		

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Collinsville, IL 62234

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	24050125-001	5/20/2024 13:12	HNO3	Groundwater	✔		
	24050125-002	5/20/2024 10:02	HNO3	Groundwater	✔		
	24050125-003	5/20/2024 12:15	HNO3	Groundwater	✔		
	24050125-004	5/20/2024 14:16	HNO3	Groundwater	✔		
	24050125-005	5/20/2024 12:48	HNO3	Groundwater	✔		
	24050125-006	5/20/2024 13:40	HNO3	Groundwater	✔		
	24050125-007	5/20/2024 14:31	HNO3	Groundwater	✔		
	24050125-008	5/20/2024 13:42	HNO3	Groundwater	✔		
	24050125-010	5/20/2024 11:24	HNO3	Groundwater	✔		
	24050125-011	5/20/2024 11:06	HNO3	Groundwater	✔		
	24050125-012	5/20/2024 12:51	HNO3	Groundwater	✔		

160-54144 Chain of Custody

*Relinquished By	Date/Time	Received By	Date/Time
	5/21/24 1804		5/22/24 1104
	5.22.24		5/22/24 1202

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SubCocRevA 3/2/2016

TEKLAB, INC. Chain of Custody

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

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

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: | Sampler: Teklab Sampling Team | QC Level: 2

Comments: **Please Issue reports and invoices via email only**
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Project# 24050125

Contact: Elizabeth Hurley | Email: ehurley@teklabinc.com
Requested Due Date: Standad TAT | Billing/PO: 36249 | Phone: 618 344-1004 ext. 33

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228										
	24050125-013	5/21/2024 10:09	HNO3	Groundwater	✔												
	24050125-014	5/20/2024 10:50	HNO3	Groundwater	✔												
	24050125-015	5/21/2024 10:22	HNO3	Groundwater	✔												
	24050125-016	5/20/2024 11:56	HNO3	Groundwater	✔												
	24050125-017	5/20/2024 ~~11:00~~ 1503*	HNO3	Groundwater	✔												
	24050125-018	5/21/2024 10:53	HNO3	Groundwater	✔												
	24050125-019	5/21/2024 11:36	HNO3	Groundwater	✔												
	24050125-020	5/20/2024 13:40	HNO3	Groundwater	✔												
	24050125-021	5/21/2024 11:04	HNO3	Groundwater	✔												
	24050125-022	5/21/2024 11:23	HNO3	Groundwater	✔												
	24050125-023	5/21/2024 11:31	HNO3	Groundwater	✔												

* TE - SAM 5/22/24 - three per field blk.

*Relinquished By	Date/Time	Received By	Date/Time
Paul Dell, John DeSanto	5/21/24 1404	John DeSanto	5.22.24 / 1104
	5.22.24 /		5/22/24 R02

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3/2/2016

TEKLAB, INC. Chain of Custody

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

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: | Sampler: Teklab Sampling Team | QC Level: 2

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

Project# 24050125

Contact: Elizabeth Hurley | Email: ehurley@teklabinc.com
Requested Due Date: Standad TAT | Billing/PO: 36249 | Phone: 618 344-1004 ext. 33

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228									
	24050125-024	5/20/2024 13:42	HNO3	Groundwater	✔											
	24050125-025	5/21/2024 11:37	HNO3	Aqueous	✔											
			HNO3	Other												
			HNO3	Other												
			HNO3	Other												
			HNO3	Other												
			HNO3	Other												
			HNO3	Other												
			HNO3	Other												
			HNO3	Other												
			HNO3	Other												

*Relinquished By	Date/Time	Received By	Date/Time
	5/21/24 1104		5.22.24 1004
	5.22.24 1		5/22/24 1402

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3/2/2016

Login Sample Receipt Checklist

Client: TekLab, Inc

Job Number: 160-54144-1
SDG Number: 24050125

Login Number: 54144
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	

Definitions/Glossary

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

Job ID: 160-54144-1
SDG: 24050125

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: 160-54144-1
SDG: 24050125

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: 160-54144-1
SDG: 24050125

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
160-54144-1	24050125-001	Water	05/20/24 13:12	05/22/24 12:02
160-54144-2	24050125-002	Water	05/20/24 10:02	05/22/24 12:02
160-54144-3	24050125-003	Water	05/20/24 12:15	05/22/24 12:02
160-54144-4	24050125-004	Water	05/20/24 14:16	05/22/24 12:02
160-54144-5	24050125-005	Water	05/20/24 12:48	05/22/24 12:02
160-54144-6	24050125-006	Water	05/20/24 13:40	05/22/24 12:02
160-54144-7	24050125-007	Water	05/20/24 14:31	05/22/24 12:02
160-54144-8	24050125-008	Water	05/20/24 13:42	05/22/24 12:02
160-54144-9	24050125-010	Water	05/20/24 11:24	05/22/24 12:02
160-54144-10	24050125-011	Water	05/20/24 11:06	05/22/24 12:02
160-54144-11	24050125-012	Water	05/20/24 12:51	05/22/24 12:02
160-54144-12	24050125-013	Water	05/21/24 10:09	05/22/24 12:02
160-54144-13	24050125-014	Water	05/20/24 10:50	05/22/24 12:02
160-54144-14	24050125-015	Water	05/21/24 12:11	05/22/24 12:02
160-54144-15	24050125-016	Water	05/20/24 11:56	05/22/24 12:02
160-54144-16	24050125-017	Water	05/20/24 15:03	05/22/24 12:02
160-54144-17	24050125-018	Water	05/21/24 10:53	05/22/24 12:02
160-54144-18	24050125-019	Water	05/21/24 11:36	05/22/24 12:02
160-54144-19	24050125-020	Water	05/20/24 13:40	05/22/24 12:02
160-54144-20	24050125-021	Water	05/21/24 11:04	05/22/24 12:02
160-54144-21	24050125-022	Water	05/21/24 11:23	05/22/24 12:02
160-54144-22	24050125-023	Water	05/21/24 11:31	05/22/24 12:02
160-54144-23	24050125-024	Water	05/20/24 13:42	05/22/24 12:02
160-54144-24	24050125-025	Water	05/21/24 11:37	05/22/24 12:02

Client Sample Results

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

Job ID: 160-54144-1
SDG: 24050125

Client Sample ID: 24050125-001
Date Collected: 05/20/24 13:12
Date Received: 05/22/24 12:02

Lab Sample ID: 160-54144-1
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	0.714		0.262	0.269	1.00	0.270	pCi/L	05/23/24 08:27	06/18/24 09:49	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	89.5		30 - 110	05/23/24 08:27	06/18/24 09:49	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	1.03	U G	0.728	0.734	1.00	1.10	pCi/L	05/23/24 08:31	06/13/24 12:18	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	89.5		30 - 110	05/23/24 08:31	06/13/24 12:18	1
Y Carrier	85.2		30 - 110	05/23/24 08:31	06/13/24 12:18	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.75		0.774	0.782	5.00	1.10	pCi/L		06/19/24 00:29	1

Client Sample ID: 24050125-002
Date Collected: 05/20/24 10:02
Date Received: 05/22/24 12:02

Lab Sample ID: 160-54144-2
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	0.0864	U	0.0824	0.0828	1.00	0.121	pCi/L	05/23/24 08:27	06/18/24 09:50	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	93.3		30 - 110	05/23/24 08:27	06/18/24 09:50	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.548	U	0.464	0.466	1.00	0.725	pCi/L	05/23/24 08:31	06/13/24 12:18	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	93.3		30 - 110	05/23/24 08:31	06/13/24 12:18	1
Y Carrier	83.7		30 - 110	05/23/24 08:31	06/13/24 12:18	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.634	U	0.471	0.473	5.00	0.725	pCi/L		06/19/24 00:29	1

Client Sample Results

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

Job ID: 160-54144-1
SDG: 24050125

Client Sample ID: 24050125-003
Date Collected: 05/20/24 12:15
Date Received: 05/22/24 12:02

Lab Sample ID: 160-54144-3
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	0.156		0.0935	0.0945	1.00	0.118	pCi/L	05/23/24 08:27	06/18/24 09:50	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	90.0		30 - 110	05/23/24 08:27	06/18/24 09:50	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.480	U	0.375	0.377	1.00	0.576	pCi/L	05/23/24 08:31	06/13/24 12:18	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	90.0		30 - 110	05/23/24 08:31	06/13/24 12:18	1
Y Carrier	78.9		30 - 110	05/23/24 08:31	06/13/24 12:18	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.635		0.386	0.389	5.00	0.576	pCi/L		06/19/24 00:29	1

Client Sample ID: 24050125-004
Date Collected: 05/20/24 14:16
Date Received: 05/22/24 12:02

Lab Sample ID: 160-54144-4
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	0.183		0.131	0.132	1.00	0.182	pCi/L	05/23/24 08:27	06/18/24 09:51	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	83.3		30 - 110	05/23/24 08:27	06/18/24 09:51	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	-0.0930	U	0.383	0.383	1.00	0.756	pCi/L	05/23/24 08:31	06/13/24 12:18	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	83.3		30 - 110	05/23/24 08:31	06/13/24 12:18	1
Y Carrier	86.4		30 - 110	05/23/24 08:31	06/13/24 12:18	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.183	U	0.405	0.405	5.00	0.756	pCi/L		06/19/24 00:29	1

Client Sample Results

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

Job ID: 160-54144-1
SDG: 24050125

Client Sample ID: 24050125-005

Lab Sample ID: 160-54144-5
Date Collected: 05/20/24 12:48
Matrix: Water
Date Received: 05/22/24 12:02

Method: EPA 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	0.0387	0.0388	1.00	0.105	pCi/L	05/23/24 08:27	06/18/24 09:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.3*		*30 - 110*	*05/23/24 08:27*	*06/18/24 09:51*	*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	0.605	U	0.413	0.417	1.00	0.626	pCi/L	05/23/24 08:31	06/13/24 12:18	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.3*		*30 - 110*	*05/23/24 08:31*	*06/13/24 12:18*	*1*
Y Carrier	*84.1*		*30 - 110*	*05/23/24 08:31*	*06/13/24 12:18*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.605	U	0.415	0.419	5.00	0.626	pCi/L		06/19/24 13:53	1

Client Sample ID: 24050125-006

Lab Sample ID: 160-54144-6
Date Collected: 05/20/24 13:40
Matrix: Water
Date Received: 05/22/24 12:02

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.201**		0.103	0.105	1.00	0.108	pCi/L	05/23/24 08:27	06/18/24 09:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*77.5*		*30 - 110*	*05/23/24 08:27*	*06/18/24 09:51*	*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	0.183	U	0.367	0.368	1.00	0.641	pCi/L	05/23/24 08:31	06/13/24 12:18	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*77.5*		*30 - 110*	*05/23/24 08:31*	*06/13/24 12:18*	*1*
Y Carrier	*78.5*		*30 - 110*	*05/23/24 08:31*	*06/13/24 12:18*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.384	U	0.381	0.383	5.00	0.641	pCi/L		06/19/24 13:53	1

Client Sample Results

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

Job ID: 160-54144-1
SDG: 24050125

Client Sample ID: 24050125-007
Date Collected: 05/20/24 14:31
Date Received: 05/22/24 12:02

Lab Sample ID: 160-54144-7
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	0.0157	U	0.0508	0.0508	1.00	0.101	pCi/L	05/23/24 08:27	06/18/24 09:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.3*		*30 - 110*	*05/23/24 08:27*	*06/18/24 09:51*	*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	0.573	U	0.464	0.467	1.00	0.732	pCi/L	05/23/24 08:31	06/13/24 12:18	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.3*		*30 - 110*	*05/23/24 08:31*	*06/13/24 12:18*	*1*
Y Carrier	*83.0*		*30 - 110*	*05/23/24 08:31*	*06/13/24 12:18*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.589	U	0.467	0.470	5.00	0.732	pCi/L		06/19/24 13:53	1

Client Sample ID: 24050125-008
Date Collected: 05/20/24 13:42
Date Received: 05/22/24 12:02

Lab Sample ID: 160-54144-8
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	0.00202	U	0.0599	0.0599	1.00	0.128	pCi/L	05/23/24 08:27	06/18/24 09:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.8*		*30 - 110*	*05/23/24 08:27*	*06/18/24 09:51*	*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	0.120	U	0.387	0.387	1.00	0.687	pCi/L	05/23/24 08:31	06/13/24 12:11	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.8*		*30 - 110*	*05/23/24 08:31*	*06/13/24 12:11*	*1*
Y Carrier	*81.1*		*30 - 110*	*05/23/24 08:31*	*06/13/24 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	0.122	U	0.392	0.392	5.00	0.687	pCi/L		06/19/24 13:53	1

Client Sample Results

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

Job ID: 160-54144-1
SDG: 24050125

Client Sample ID: 24050125-010
Date Collected: 05/20/24 11:24
Date Received: 05/22/24 12:02

Lab Sample ID: 160-54144-9
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	0.0764	U	0.0812	0.0815	1.00	0.129	pCi/L	05/23/24 08:27	06/18/24 14:46	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.0*		*30 - 110*	*05/23/24 08:27*	*06/18/24 14:46*	*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	0.511	U	0.357	0.360	1.00	0.534	pCi/L	05/23/24 08:31	06/13/24 12:11	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.0*		*30 - 110*	*05/23/24 08:31*	*06/13/24 12:11*	*1*
Y Carrier	*81.9*		*30 - 110*	*05/23/24 08:31*	*06/13/24 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	**0.588**		0.366	0.369	5.00	0.534	pCi/L		06/19/24 13:53	1

Client Sample ID: 24050125-011
Date Collected: 05/20/24 11:06
Date Received: 05/22/24 12:02

Lab Sample ID: 160-54144-10
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	**0.205**		0.101	0.102	1.00	0.112	pCi/L	05/23/24 08:27	06/18/24 14:46	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.3*		*30 - 110*	*05/23/24 08:27*	*06/18/24 14:46*	*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	**0.671**		0.384	0.389	1.00	0.555	pCi/L	05/23/24 08:31	06/13/24 12:11	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.3*		*30 - 110*	*05/23/24 08:31*	*06/13/24 12:11*	*1*
Y Carrier	*82.6*		*30 - 110*	*05/23/24 08:31*	*06/13/24 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	**0.876**		0.397	0.402	5.00	0.555	pCi/L		06/19/24 13:53	1

Client Sample Results

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

Job ID: 160-54144-1
SDG: 24050125

Client Sample ID: 24050125-012
Date Collected: 05/20/24 12:51
Date Received: 05/22/24 12:02

Lab Sample ID: 160-54144-11
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	0.0719	U	0.0761	0.0763	1.00	0.119	pCi/L	05/23/24 08:27	06/18/24 14:46	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.3*		*30 - 110*	*05/23/24 08:27*	*06/18/24 14:46*	*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	0.545	U	0.391	0.394	1.00	0.591	pCi/L	05/23/24 08:31	06/13/24 12:11	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.3*		*30 - 110*	*05/23/24 08:31*	*06/13/24 12:11*	*1*
Y Carrier	*81.1*		*30 - 110*	*05/23/24 08:31*	*06/13/24 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	**0.617**		0.398	0.401	5.00	0.591	pCi/L		06/19/24 13:53	1

Client Sample ID: 24050125-013
Date Collected: 05/21/24 10:09
Date Received: 05/22/24 12:02

Lab Sample ID: 160-54144-12
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	0.111	U	0.0840	0.0846	1.00	0.117	pCi/L	05/23/24 08:27	06/18/24 14:47	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.0*		*30 - 110*	*05/23/24 08:27*	*06/18/24 14:47*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0608	U	0.287	0.287	1.00	0.523	pCi/L	05/23/24 08:31	06/13/24 12:11	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.0*		*30 - 110*	*05/23/24 08:31*	*06/13/24 12:11*	*1*
Y Carrier	*83.0*		*30 - 110*	*05/23/24 08:31*	*06/13/24 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	0.172	U	0.299	0.299	5.00	0.523	pCi/L		06/19/24 13:53	1

Client Sample Results

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

Job ID: 160-54144-1
SDG: 24050125

Client Sample ID: 24050125-014
Date Collected: 05/20/24 10:50
Date Received: 05/22/24 12:02

Lab Sample ID: 160-54144-13
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	-0.0256	U	0.0556	0.0556	1.00	0.135	pCi/L	05/23/24 08:27	06/18/24 14:47	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*79.8*		*30 - 110*	*05/23/24 08:27*	*06/18/24 14:47*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.00753	U	0.312	0.312	1.00	0.590	pCi/L	05/23/24 08:31	06/13/24 12:11	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*79.8*		*30 - 110*	*05/23/24 08:31*	*06/13/24 12:11*	*1*
Y Carrier	*86.4*		*30 - 110*	*05/23/24 08:31*	*06/13/24 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	0.000	U	0.317	0.317	5.00	0.590	pCi/L		06/19/24 13:53	1

Client Sample ID: 24050125-015
Date Collected: 05/21/24 12:11
Date Received: 05/22/24 12:02

Lab Sample ID: 160-54144-14
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	**0.371**		0.180	0.183	1.00	0.216	pCi/L	05/23/24 08:27	06/18/24 14:47	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.3*		*30 - 110*	*05/23/24 08:27*	*06/18/24 14:47*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**1.29**		0.654	0.665	1.00	0.919	pCi/L	05/23/24 08:31	06/13/24 12:11	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.3*		*30 - 110*	*05/23/24 08:31*	*06/13/24 12:11*	*1*
Y Carrier	*78.1*		*30 - 110*	*05/23/24 08:31*	*06/13/24 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	**1.66**		0.678	0.690	5.00	0.919	pCi/L		06/19/24 13:53	1

Client Sample Results

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

Job ID: 160-54144-1
SDG: 24050125

Client Sample ID: 24050125-016
Date Collected: 05/20/24 11:56
Date Received: 05/22/24 12:02

Lab Sample ID: 160-54144-15
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	0.0327	U	0.0605	0.0606	1.00	0.109	pCi/L	05/23/24 08:27	06/18/24 14:47	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.3*		*30 - 110*	*05/23/24 08:27*	*06/18/24 14:47*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0957	U	0.264	0.265	1.00	0.475	pCi/L	05/23/24 08:31	06/13/24 12:11	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.3*		*30 - 110*	*05/23/24 08:31*	*06/13/24 12:11*	*1*
Y Carrier	*83.7*		*30 - 110*	*05/23/24 08:31*	*06/13/24 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	0.128	U	0.271	0.272	5.00	0.475	pCi/L		06/19/24 13:53	1

Client Sample ID: 24050125-017
Date Collected: 05/20/24 15:03
Date Received: 05/22/24 12:02

Lab Sample ID: 160-54144-16
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	**0.245**		0.151	0.152	1.00	0.212	pCi/L	05/23/24 08:27	06/18/24 14:47	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*72.5*		*30 - 110*	*05/23/24 08:27*	*06/18/24 14:47*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.167	U	0.415	0.415	1.00	0.730	pCi/L	05/23/24 08:31	06/13/24 12:11	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*72.5*		*30 - 110*	*05/23/24 08:31*	*06/13/24 12:11*	*1*
Y Carrier	*81.1*		*30 - 110*	*05/23/24 08:31*	*06/13/24 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	0.412	U	0.442	0.442	5.00	0.730	pCi/L		06/19/24 13:53	1

Client Sample Results

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

Job ID: 160-54144-1
SDG: 24050125

Client Sample ID: 24050125-018
Date Collected: 05/21/24 10:53
Date Received: 05/22/24 12:02

Lab Sample ID: 160-54144-17
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	**0.161**		0.106	0.107	1.00	0.148	pCi/L	05/23/24 08:27	06/18/24 14:39	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.0*		*30 - 110*	*05/23/24 08:27*	*06/18/24 14:39*	*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	0.257	U	0.357	0.358	1.00	0.599	pCi/L	05/23/24 08:31	06/13/24 12:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.0*		*30 - 110*	*05/23/24 08:31*	*06/13/24 12:12*	*1*
Y Carrier	*85.6*		*30 - 110*	*05/23/24 08:31*	*06/13/24 12:12*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.419	U	0.372	0.374	5.00	0.599	pCi/L		06/19/24 13:53	1

Client Sample ID: 24050125-019
Date Collected: 05/21/24 11:36
Date Received: 05/22/24 12:02

Lab Sample ID: 160-54144-18
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	**0.206**		0.119	0.121	1.00	0.158	pCi/L	05/23/24 08:27	06/18/24 14:39	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.0*		*30 - 110*	*05/23/24 08:27*	*06/18/24 14:39*	*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	**0.665**		0.366	0.371	1.00	0.504	pCi/L	05/23/24 08:31	06/13/24 12:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.0*		*30 - 110*	*05/23/24 08:31*	*06/13/24 12:12*	*1*
Y Carrier	*84.5*		*30 - 110*	*05/23/24 08:31*	*06/13/24 12:12*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.871**		0.385	0.390	5.00	0.504	pCi/L		06/19/24 13:53	1

Client Sample Results

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

Job ID: 160-54144-1
SDG: 24050125

Client Sample ID: 24050125-020
Date Collected: 05/20/24 13:40
Date Received: 05/22/24 12:02

Lab Sample ID: 160-54144-19
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	0.0207	U	0.0769	0.0769	1.00	0.147	pCi/L	05/23/24 08:27	06/18/24 14:50	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.5*		*30 - 110*	*05/23/24 08:27*	*06/18/24 14:50*	*1*

Method: EPA 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	0.436	0.437	1.00	0.743	pCi/L	05/23/24 08:31	06/13/24 12:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.5*		*30 - 110*	*05/23/24 08:31*	*06/13/24 12:12*	*1*
Y Carrier	*78.1*		*30 - 110*	*05/23/24 08:31*	*06/13/24 12:12*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.287	U	0.443	0.444	5.00	0.743	pCi/L		06/19/24 13:53	1

Client Sample ID: 24050125-021
Date Collected: 05/21/24 11:04
Date Received: 05/22/24 12:02

Lab Sample ID: 160-54144-20
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	**0.190**		0.103	0.104	1.00	0.128	pCi/L	05/23/24 08:27	06/18/24 14:50	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.8*		*30 - 110*	*05/23/24 08:27*	*06/18/24 14:50*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.303	U	0.534	0.534	1.00	0.909	pCi/L	05/23/24 08:31	06/13/24 14:13	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.8*		*30 - 110*	*05/23/24 08:31*	*06/13/24 14:13*	*1*
Y Carrier	*80.7*		*30 - 110*	*05/23/24 08:31*	*06/13/24 14:13*	*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	0.493	U	0.544	0.544	5.00	0.909	pCi/L		06/19/24 13:53	1

Client Sample Results

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

Job ID: 160-54144-1
SDG: 24050125

Client Sample ID: 24050125-022

Lab Sample ID: 160-54144-21
Date Collected: 05/21/24 11:23
Matrix: Water
Date Received: 05/22/24 12:02

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.344		0.206	0.208	1.00	0.277	pCi/L	05/23/24 08:32	06/15/24 13:07	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	88.0		30 - 110	05/23/24 08:32	06/15/24 13:07	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	1.12		0.454	0.466	1.00	0.584	pCi/L	05/23/24 08:38	06/14/24 11:49	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	88.0		30 - 110	05/23/24 08:38	06/14/24 11:49	1
Y Carrier	78.9		30 - 110	05/23/24 08:38	06/14/24 11:49	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.47		0.499	0.510	5.00	0.584	pCi/L		06/18/24 22:53	1

Client Sample ID: 24050125-023

Lab Sample ID: 160-54144-22
Date Collected: 05/21/24 11:31
Matrix: Water
Date Received: 05/22/24 12:02

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0347	U	0.118	0.118	1.00	0.226	pCi/L	05/23/24 08:32	06/15/24 13:07	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	96.5		30 - 110	05/23/24 08:32	06/15/24 13:07	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	0.206	U	0.344	0.344	1.00	0.586	pCi/L	05/23/24 08:38	06/14/24 11:49	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	96.5		30 - 110	05/23/24 08:38	06/14/24 11:49	1
Y Carrier	82.2		30 - 110	05/23/24 08:38	06/14/24 11:49	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.241	U	0.364	0.364	5.00	0.586	pCi/L		06/18/24 22:53	1

Client Sample Results

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

Job ID: 160-54144-1
SDG: 24050125

Client Sample ID: 24050125-024
Date Collected: 05/20/24 13:42
Date Received: 05/22/24 12:02

Lab Sample ID: 160-54144-23
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	-0.0329	U	0.0620	0.0621	1.00	0.152	pCi/L	05/23/24 08:32	06/17/24 14:40	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.5*		*30 - 110*	*05/23/24 08:32*	*06/17/24 14:40*	*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	0.0577	U	0.345	0.345	1.00	0.624	pCi/L	05/23/24 08:38	06/14/24 11:49	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.5*		*30 - 110*	*05/23/24 08:38*	*06/14/24 11:49*	*1*
Y Carrier	*80.7*		*30 - 110*	*05/23/24 08:38*	*06/14/24 11:49*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.0577	U	0.351	0.351	5.00	0.624	pCi/L		06/18/24 22:53	1

Client Sample ID: 24050125-025
Date Collected: 05/21/24 11:37
Date Received: 05/22/24 12:02

Lab Sample ID: 160-54144-24
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	0.0415	U	0.0751	0.0752	1.00	0.135	pCi/L	05/23/24 08:32	06/17/24 14:40	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.5*		*30 - 110*	*05/23/24 08:32*	*06/17/24 14:40*	*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	-0.00965	U	0.295	0.295	1.00	0.561	pCi/L	05/23/24 08:38	06/14/24 11:49	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.5*		*30 - 110*	*05/23/24 08:38*	*06/14/24 11:49*	*1*
Y Carrier	*83.0*		*30 - 110*	*05/23/24 08:38*	*06/14/24 11:49*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.0415	U	0.304	0.304	5.00	0.561	pCi/L		06/18/24 22:53	1

QC Sample Results

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

Job ID: 160-54144-1
SDG: 24050125

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-662994/1-A
Matrix: Water
Analysis Batch: 666740

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 662994

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.09701	U	0.0785	0.0790	1.00	0.113	pCi/L	05/23/24 08:27	06/18/24 09:49	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	95.5		30 - 110	05/23/24 08:27	06/18/24 09:49	1

Lab Sample ID: LCS 160-662994/2-A
Matrix: Water
Analysis Batch: 666740

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 662994

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226	11.3	10.66		1.14	1.00	0.155	pCi/L	94	75 - 125

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	99.3		30 - 110

Lab Sample ID: 160-54144-3 DU
Matrix: Water
Analysis Batch: 666740

Client Sample ID: 24050125-003
Prep Type: Total/NA
Prep Batch: 662994

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Radium-226	0.156		0.03165	U	0.0740	1.00	0.136	pCi/L	0.73	1

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	82.5		30 - 110

Lab Sample ID: MB 160-662997/1-A
Matrix: Water
Analysis Batch: 666556

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 662997

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.05741	U	0.117	0.118	1.00	0.265	pCi/L	05/23/24 08:32	06/15/24 13:14	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	96.8		30 - 110	05/23/24 08:32	06/15/24 13:14	1

Lab Sample ID: LCS 160-662997/2-A
Matrix: Water
Analysis Batch: 666556

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 662997

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226	11.3	10.41		1.27	1.00	0.293	pCi/L	92	75 - 125

QC Sample Results

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

Job ID: 160-54144-1
SDG: 24050125

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

Lab Sample ID: LCS 160-662997/2-A
Matrix: Water
Analysis Batch: 666556

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 662997

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	96.3		30 - 110

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-662995/1-A
Matrix: Water
Analysis Batch: 666174

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 662995

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.2287	U	0.291	0.291	1.00	0.483	pCi/L	05/23/24 08:31	06/13/24 12:18	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	95.5		30 - 110	05/23/24 08:31	06/13/24 12:18	1
Y Carrier	85.6		30 - 110	05/23/24 08:31	06/13/24 12:18	1

Lab Sample ID: LCS 160-662995/2-A
Matrix: Water
Analysis Batch: 666174

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 662995

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228	8.85	8.690		1.20	1.00	0.465	pCi/L	98	75 - 125

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	99.3		30 - 110
Y Carrier	81.9		30 - 110

Lab Sample ID: 160-54144-3 DU
Matrix: Water
Analysis Batch: 666174

Client Sample ID: 24050125-003
Prep Type: Total/NA
Prep Batch: 662995

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Radium-228	0.480	U	0.5293	U	0.413	1.00	0.628	pCi/L	0.06	1

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	82.5		30 - 110
Y Carrier	80.0		30 - 110

Lab Sample ID: MB 160-662998/1-A
Matrix: Water
Analysis Batch: 666365

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 662998

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.02706	U	0.258	0.258	1.00	0.479	pCi/L	05/23/24 08:38	06/14/24 11:42	1

QC Sample Results

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

Job ID: 160-54144-1
SDG: 24050125

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

Lab Sample ID: MB 160-662998/1-A
Matrix: Water
Analysis Batch: 666365

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 662998

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	96.8		30 - 110	05/23/24 08:38	06/14/24 11:42	1
Y Carrier	82.6		30 - 110	05/23/24 08:38	06/14/24 11:42	1

Lab Sample ID: LCS 160-662998/2-A
Matrix: Water
Analysis Batch: 666363

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 662998

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228	8.85	9.640		1.31	1.00	0.544	pCi/L	109	75 - 125

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	96.3		30 - 110
Y Carrier	80.7		30 - 110

QC Association Summary

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

Job ID: 160-54144-1
SDG: 24050125

Rad

Prep Batch: 662994

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-54144-1	24050125-001	Total/NA	Water	PrecSep-21	
160-54144-2	24050125-002	Total/NA	Water	PrecSep-21	
160-54144-3	24050125-003	Total/NA	Water	PrecSep-21	
160-54144-4	24050125-004	Total/NA	Water	PrecSep-21	
160-54144-5	24050125-005	Total/NA	Water	PrecSep-21	
160-54144-6	24050125-006	Total/NA	Water	PrecSep-21	
160-54144-7	24050125-007	Total/NA	Water	PrecSep-21	
160-54144-8	24050125-008	Total/NA	Water	PrecSep-21	
160-54144-9	24050125-010	Total/NA	Water	PrecSep-21	
160-54144-10	24050125-011	Total/NA	Water	PrecSep-21	
160-54144-11	24050125-012	Total/NA	Water	PrecSep-21	
160-54144-12	24050125-013	Total/NA	Water	PrecSep-21	
160-54144-13	24050125-014	Total/NA	Water	PrecSep-21	
160-54144-14	24050125-015	Total/NA	Water	PrecSep-21	
160-54144-15	24050125-016	Total/NA	Water	PrecSep-21	
160-54144-16	24050125-017	Total/NA	Water	PrecSep-21	
160-54144-17	24050125-018	Total/NA	Water	PrecSep-21	
160-54144-18	24050125-019	Total/NA	Water	PrecSep-21	
160-54144-19	24050125-020	Total/NA	Water	PrecSep-21	
160-54144-20	24050125-021	Total/NA	Water	PrecSep-21	
MB 160-662994/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-662994/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
160-54144-3 DU	24050125-003	Total/NA	Water	PrecSep-21	

Prep Batch: 662995

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-54144-1	24050125-001	Total/NA	Water	PrecSep_0	
160-54144-2	24050125-002	Total/NA	Water	PrecSep_0	
160-54144-3	24050125-003	Total/NA	Water	PrecSep_0	
160-54144-4	24050125-004	Total/NA	Water	PrecSep_0	
160-54144-5	24050125-005	Total/NA	Water	PrecSep_0	
160-54144-6	24050125-006	Total/NA	Water	PrecSep_0	
160-54144-7	24050125-007	Total/NA	Water	PrecSep_0	
160-54144-8	24050125-008	Total/NA	Water	PrecSep_0	
160-54144-9	24050125-010	Total/NA	Water	PrecSep_0	
160-54144-10	24050125-011	Total/NA	Water	PrecSep_0	
160-54144-11	24050125-012	Total/NA	Water	PrecSep_0	
160-54144-12	24050125-013	Total/NA	Water	PrecSep_0	
160-54144-13	24050125-014	Total/NA	Water	PrecSep_0	
160-54144-14	24050125-015	Total/NA	Water	PrecSep_0	
160-54144-15	24050125-016	Total/NA	Water	PrecSep_0	
160-54144-16	24050125-017	Total/NA	Water	PrecSep_0	
160-54144-17	24050125-018	Total/NA	Water	PrecSep_0	
160-54144-18	24050125-019	Total/NA	Water	PrecSep_0	
160-54144-19	24050125-020	Total/NA	Water	PrecSep_0	
160-54144-20	24050125-021	Total/NA	Water	PrecSep_0	
MB 160-662995/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-662995/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
160-54144-3 DU	24050125-003	Total/NA	Water	PrecSep_0	

QC Association Summary

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

Job ID: 160-54144-1
SDG: 24050125

Rad

Prep Batch: 662997

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-54144-21	24050125-022	Total/NA	Water	PrecSep-21	
160-54144-22	24050125-023	Total/NA	Water	PrecSep-21	
160-54144-23	24050125-024	Total/NA	Water	PrecSep-21	
160-54144-24	24050125-025	Total/NA	Water	PrecSep-21	
MB 160-662997/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-662997/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 662998

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-54144-21	24050125-022	Total/NA	Water	PrecSep_0	
160-54144-22	24050125-023	Total/NA	Water	PrecSep_0	
160-54144-23	24050125-024	Total/NA	Water	PrecSep_0	
160-54144-24	24050125-025	Total/NA	Water	PrecSep_0	
MB 160-662998/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-662998/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Tracer/Carrier Summary

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

Job ID: 160-54144-1
SDG: 24050125

Method: 903.0 - Radium-226 (GFPC)

Matrix: Water — **Prep Type: Total/NA**

		Percent Yield (Acceptance Limits)
		Ba
Lab Sample ID	Client Sample ID	(30-110)
160-54144-1	24050125-001	89.5
160-54144-2	24050125-002	93.3
160-54144-3	24050125-003	90.0
160-54144-3 DU	24050125-003	82.5
160-54144-4	24050125-004	83.3
160-54144-5	24050125-005	92.3
160-54144-6	24050125-006	77.5
160-54144-7	24050125-007	89.3
160-54144-8	24050125-008	81.8
160-54144-9	24050125-010	89.0
160-54144-10	24050125-011	93.3
160-54144-11	24050125-012	85.3
160-54144-12	24050125-013	91.0
160-54144-13	24050125-014	79.8
160-54144-14	24050125-015	81.3
160-54144-15	24050125-016	94.3
160-54144-16	24050125-017	72.5
160-54144-17	24050125-018	85.0
160-54144-18	24050125-019	83.0
160-54144-19	24050125-020	81.5
160-54144-20	24050125-021	91.8
160-54144-21	24050125-022	88.0
160-54144-22	24050125-023	96.5
160-54144-23	24050125-024	91.5
160-54144-24	24050125-025	85.5
LCS 160-662994/2-A	Lab Control Sample	99.3
LCS 160-662997/2-A	Lab Control Sample	96.3
MB 160-662994/1-A	Method Blank	95.5
MB 160-662997/1-A	Method Blank	96.8

Tracer/Carrier Legend

Ba = Ba Carrier

Method: 904.0 - Radium-228 (GFPC)

Matrix: Water — **Prep Type: Total/NA**

		Percent Yield (Acceptance Limits)	
		Ba	Y
Lab Sample ID	Client Sample ID	(30-110)	(30-110)
160-54144-1	24050125-001	89.5	85.2
160-54144-2	24050125-002	93.3	83.7
160-54144-3	24050125-003	90.0	78.9
160-54144-3 DU	24050125-003	82.5	80.0
160-54144-4	24050125-004	83.3	86.4
160-54144-5	24050125-005	92.3	84.1
160-54144-6	24050125-006	77.5	78.5
160-54144-7	24050125-007	89.3	83.0
160-54144-8	24050125-008	81.8	81.1
160-54144-9	24050125-010	89.0	81.9
160-54144-10	24050125-011	93.3	82.6

Tracer/Carrier Summary

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

Job ID: 160-54144-1
SDG: 24050125

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

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)	
		Ba	Y
Lab Sample ID	Client Sample ID	(30-110)	(30-110)
160-54144-11	24050125-012	85.3	81.1
160-54144-12	24050125-013	91.0	83.0
160-54144-13	24050125-014	79.8	86.4
160-54144-14	24050125-015	81.3	78.1
160-54144-15	24050125-016	94.3	83.7
160-54144-16	24050125-017	72.5	81.1
160-54144-17	24050125-018	85.0	85.6
160-54144-18	24050125-019	83.0	84.5
160-54144-19	24050125-020	81.5	78.1
160-54144-20	24050125-021	91.8	80.7
160-54144-21	24050125-022	88.0	78.9
160-54144-22	24050125-023	96.5	82.2
160-54144-23	24050125-024	91.5	80.7
160-54144-24	24050125-025	85.5	83.0
LCS 160-662995/2-A	Lab Control Sample	99.3	81.9
LCS 160-662998/2-A	Lab Control Sample	96.3	80.7
MB 160-662995/1-A	Method Blank	95.5	85.6
MB 160-662998/1-A	Method Blank	96.8	82.6

Tracer/Carrier Legend

Ba = Ba Carrier
Y = Y Carrier

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

September 12, 2024

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

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

RE: KIN-24Q3 **WorkOrder:** 24080169

Dear Eric Bauer:

TEKLAB, INC received 26 samples for KIN_257_141 on 8/21/2024 2:40:00 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: 24080169
Client Project: KIN-24Q3
Report Date: 12-Sep-24

This reporting package includes the following:

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Chain of Custody	Appended

Definitions

Client: Ramboll **Work Order:** 24080169

Client Project: KIN-24Q3 **Report Date:** 12-Sep-24

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

Definitions

Client: Ramboll **Work Order:** 24080169

Client Project: KIN-24Q3 **Report Date:** 12-Sep-24

Qualifiers

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

Teklab, Inc.
Environmental Laboratory

Case Narrative

Client: Ramboll
Work Order: 24080169
Client Project: KIN-24Q3
Report Date: 12-Sep-24

Cooler Receipt Temp: 19.1 °C

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

MW-08S could not be collected; the well was dry.

XSG-01 collection date/time per SAR-4. PZ-4C and SG-02 collection date/time per field file. EAH 8/26/24

Per Eric Bauer's request, only KIN_257_141 data is included in this report. EAH 9/12/24

Locations

Collinsville

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

Springfield

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

Kansas City

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

Collinsville Air

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

Chicago

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

Accreditations

Client: Ramboll **Work Order:** 24080169

Client Project: KIN-24Q3 **Report Date:** 12-Sep-24

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2025	Collinsville
Illinois	IEPA	1004652024-2	NELAP	4/30/2025	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2025	Collinsville
Louisiana	LDEQ	05002	NELAP	6/30/2025	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2025	Collinsville
Oklahoma	ODEQ	9978	NELAP	12/31/2024	Collinsville
Arkansas	ADEQ	88-0966		3/14/2025	Collinsville
Illinois	IDPH	17584		5/31/2025	Collinsville
Iowa	IDNR	430		6/1/2026	Collinsville
Kentucky	UST	0073		1/31/2025	Collinsville
Mississippi	MSDH			4/30/2025	Collinsville
Missouri	MDNR	930		1/31/2025	Collinsville
Missouri	MDNR	00930		10/31/2026	Collinsville

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24080169

Client Project: KIN-24Q3 **Report Date:** 12-Sep-24

Lab ID: 24080169-001 **Client Sample ID:** MW-01

Matrix: GROUNDWATER **Collection Date:** 08/19/2024 10:26

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**16.24**	ft	1	08/19/2024 10:26	R352267
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**8.1**	NTU	1	08/19/2024 10:26	R352267
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**144**	mV	1	08/19/2024 10:26	R352267
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**558**	µS/cm	1	08/19/2024 10:26	R352267
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**18.8**	°C	1	08/19/2024 10:26	R352267
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**2.60**	mg/L	1	08/19/2024 10:26	R352267
SW-846 9040B FIELD									
pH	*	0	1.00		**6.13**		1	08/19/2024 10:26	R352267
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**176**	mg/L	1	08/21/2024 10:53	R352114
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	08/21/2024 10:53	R352114
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**344**	mg/L	1	08/20/2024 8:33	R352109
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	*	0.03	0.50	J	**0.12**	mg/L	10	08/20/2024 8:51	R351979
Chloride	*	1.00	5.00		**14.1**	mg/L	10	08/20/2024 8:51	R351979
Sulfate	*	0.33	10.0		**87.8**	mg/L	10	08/20/2024 8:51	R351979
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**63.3**	mg/L	1	08/21/2024 17:59	227380
Magnesium	NELAP	0.0055	0.0500		**29.4**	mg/L	1	08/21/2024 17:59	227380
Potassium	NELAP	0.0400	0.100		**0.403**	mg/L	1	08/21/2024 17:59	227380
Sodium	NELAP	0.0180	0.0500		**17.9**	mg/L	1	08/21/2024 17:59	227380
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	J	**0.0008**	mg/L	5	08/22/2024 9:29	227380
Arsenic	NELAP	0.0004	0.0010	J	**0.0005**	mg/L	5	08/22/2024 9:29	227380
Barium	NELAP	0.0007	0.0010		**0.0661**	mg/L	5	08/22/2024 9:29	227380
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	08/22/2024 9:29	227380
Boron	NELAP	0.0092	0.0250		**0.292**	mg/L	5	08/22/2024 9:29	227380
Cadmium	*	0.0002	0.0010		**< 0.0010**	mg/L	5	08/22/2024 9:29	227380
Chromium	NELAP	0.0007	0.0015	J	**0.0009**	mg/L	5	08/22/2024 9:29	227380
Cobalt	*	0.0001	0.0010	J	**0.0006**	mg/L	5	08/22/2024 9:29	227380
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	08/22/2024 9:29	227380
Lithium	*	0.0015	0.0030	J	**0.0019**	mg/L	5	08/22/2024 9:29	227380
Molybdenum	NELAP	0.0006	0.0015	J	**0.0007**	mg/L	5	08/22/2024 9:29	227380
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	08/22/2024 9:29	227380
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	08/22/2024 9:29	227380
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	08/20/2024 14:11	227374

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24080169

Client Project: KIN-24Q3 **Report Date:** 12-Sep-24

Lab ID: 24080169-002 **Client Sample ID:** MW-02

Matrix: GROUNDWATER **Collection Date:** 08/19/2024 10:29

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**17.49**	ft	1	08/19/2024 10:29	R352267
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**200**	NTU	1	08/19/2024 10:29	R352267
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**84**	mV	1	08/19/2024 10:29	R352267
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**750**	µS/cm	1	08/19/2024 10:29	R352267
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**21.1**	°C	1	08/19/2024 10:29	R352267
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**4.10**	mg/L	1	08/19/2024 10:29	R352267
SW-846 9040B FIELD									
pH	*	0	1.00		**7.06**		1	08/19/2024 10:29	R352267
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**270**	mg/L	1	08/21/2024 10:39	R352114
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	08/21/2024 10:39	R352114
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**518**	mg/L	1	08/20/2024 8:34	R352109
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	*	0.03	0.50	J	**0.38**	mg/L	10	08/20/2024 9:26	R351979
Chloride	*	1.00	5.00		**15.6**	mg/L	10	08/20/2024 9:26	R351979
Sulfate	*	0.33	10.0		**140**	mg/L	10	08/20/2024 9:26	R351979
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**108**	mg/L	1	08/21/2024 18:00	227380
Magnesium	NELAP	0.0055	0.0500		**37.5**	mg/L	1	08/21/2024 18:00	227380
Potassium	NELAP	0.0400	0.100		**2.20**	mg/L	1	08/21/2024 18:00	227380
Sodium	NELAP	0.0180	0.0500		**25.4**	mg/L	1	08/21/2024 18:00	227380
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**0.0013**	mg/L	5	08/22/2024 9:59	227380
Arsenic	NELAP	0.0004	0.0010		**0.0020**	mg/L	5	08/23/2024 14:50	227380
Barium	NELAP	0.0007	0.0010		**0.132**	mg/L	5	08/22/2024 9:59	227380
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	08/22/2024 9:59	227380
Boron	NELAP	0.0092	0.0250		**0.0523**	mg/L	5	08/22/2024 9:59	227380
Cadmium	*	0.0002	0.0010		**< 0.0010**	mg/L	5	08/22/2024 9:59	227380
Chromium	NELAP	0.0007	0.0015		**0.0049**	mg/L	5	08/23/2024 14:50	227380
Cobalt	*	0.0001	0.0010		**0.0015**	mg/L	5	08/22/2024 9:59	227380
Lead	NELAP	0.0006	0.0010		**0.0014**	mg/L	5	08/22/2024 9:59	227380
Lithium	*	0.0015	0.0030		**0.0080**	mg/L	5	08/22/2024 9:59	227380
Molybdenum	NELAP	0.0006	0.0015		**0.0058**	mg/L	5	08/23/2024 14:50	227380
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	08/22/2024 9:59	227380
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	08/22/2024 9:59	227380
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	08/20/2024 14:13	227374

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24080169

Client Project: KIN-24Q3 **Report Date:** 12-Sep-24

Lab ID: 24080169-003 **Client Sample ID:** MW-03

Matrix: GROUNDWATER **Collection Date:** 08/19/2024 11:32

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**8.70**	ft	1	08/19/2024 11:32	R352267
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**1.4**	NTU	1	08/19/2024 11:32	R352267
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**89**	mV	1	08/19/2024 11:32	R352267
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**892**	µS/cm	1	08/19/2024 11:32	R352267
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**18.2**	°C	1	08/19/2024 11:32	R352267
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**3.57**	mg/L	1	08/19/2024 11:32	R352267
SW-846 9040B FIELD									
pH	*	0	1.00		**6.69**		1	08/19/2024 11:32	R352267
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**344**	mg/L	1	08/21/2024 10:32	R352114
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	08/21/2024 10:32	R352114
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**584**	mg/L	1	08/20/2024 8:56	R352109
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	*	0.03	0.50	J	**0.15**	mg/L	10	08/20/2024 9:38	R351979
Chloride	*	1.00	5.00		**28.8**	mg/L	10	08/20/2024 9:38	R351979
Sulfate	*	0.33	10.0		**126**	mg/L	10	08/20/2024 9:38	R351979
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**101**	mg/L	1	08/21/2024 18:15	227380
Magnesium	NELAP	0.0055	0.0500		**51.0**	mg/L	1	08/21/2024 18:15	227380
Potassium	NELAP	0.0400	0.100		**0.231**	mg/L	1	08/21/2024 18:15	227380
Sodium	NELAP	0.0180	0.0500		**45.6**	mg/L	1	08/21/2024 18:15	227380
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	J	**0.0006**	mg/L	5	08/22/2024 10:04	227380
Arsenic	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	08/22/2024 10:04	227380
Barium	NELAP	0.0007	0.0010		**0.0436**	mg/L	5	08/22/2024 10:04	227380
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	08/22/2024 10:04	227380
Boron	NELAP	0.0092	0.0250		**1.55**	mg/L	5	08/22/2024 10:04	227380
Cadmium	*	0.0002	0.0010		**< 0.0010**	mg/L	5	08/22/2024 10:04	227380
Chromium	NELAP	0.0007	0.0015		**< 0.0015**	mg/L	5	08/22/2024 10:04	227380
Cobalt	*	0.0001	0.0010	J	**0.0001**	mg/L	5	08/22/2024 10:04	227380
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	08/22/2024 10:04	227380
Lithium	*	0.0015	0.0030	J	**0.0021**	mg/L	5	08/22/2024 10:04	227380
Molybdenum	NELAP	0.0006	0.0015		**< 0.0015**	mg/L	5	08/22/2024 10:04	227380
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	08/22/2024 10:04	227380
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	08/22/2024 10:04	227380
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	08/20/2024 14:15	227374

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24080169

Client Project: KIN-24Q3 **Report Date:** 12-Sep-24

Lab ID: 24080169-005 **Client Sample ID:** MW-05

Matrix: GROUNDWATER **Collection Date:** 08/19/2024 13:26

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**28.00**	ft	1	08/19/2024 13:26	R352267
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**18**	NTU	1	08/19/2024 13:26	R352267
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**2**	mV	1	08/19/2024 13:26	R352267
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1230**	µS/cm	1	08/19/2024 13:26	R352267
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**17.5**	°C	1	08/19/2024 13:26	R352267
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**3.36**	mg/L	1	08/19/2024 13:26	R352267
SW-846 9040B FIELD									
pH	*	0	1.00		**6.55**		1	08/19/2024 13:26	R352267
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**318**	mg/L	1	08/21/2024 10:46	R352114
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	08/21/2024 10:46	R352114
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**774**	mg/L	1	08/20/2024 8:56	R352109
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	*	0.03	0.50	J	**0.06**	mg/L	10	08/20/2024 10:01	R351979
Chloride	*	1.00	5.00		**43.5**	mg/L	10	08/20/2024 10:01	R351979
Sulfate	*	0.33	10	J	**9.8**	mg/L	10	08/20/2024 10:01	R351979
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100	S	**173**	mg/L	1	08/21/2024 18:02	227380
Magnesium	NELAP	0.0055	0.0500		**87.5**	mg/L	1	08/21/2024 18:02	227380
Potassium	NELAP	0.0400	0.100		**1.33**	mg/L	1	08/21/2024 18:02	227380
Sodium	NELAP	0.0180	0.0500		**25.8**	mg/L	1	08/21/2024 18:02	227380
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	08/22/2024 12:09	227380
Arsenic	NELAP	0.0004	0.0010		**0.0014**	mg/L	5	08/22/2024 12:09	227380
Barium	NELAP	0.0007	0.0010		**0.175**	mg/L	5	08/22/2024 12:09	227380
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	08/22/2024 12:09	227380
Boron	NELAP	0.0092	0.0250		**0.505**	mg/L	5	08/22/2024 12:09	227380
Cadmium	*	0.0002	0.0010		**< 0.0010**	mg/L	5	08/22/2024 12:09	227380
Chromium	NELAP	0.0007	0.0015		**0.0048**	mg/L	5	08/23/2024 14:04	227380
Cobalt	*	0.0001	0.0010		**0.0016**	mg/L	5	08/23/2024 14:04	227380
Lead	NELAP	0.0006	0.0010		**0.0014**	mg/L	5	08/22/2024 12:09	227380
Lithium	*	0.0015	0.0030		**0.0051**	mg/L	5	08/22/2024 12:09	227380
Molybdenum	NELAP	0.0006	0.0015	J	**0.0007**	mg/L	5	08/23/2024 14:04	227380
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	08/22/2024 12:09	227380
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	08/22/2024 12:09	227380
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	08/20/2024 14:48	227374

Laboratory Results

Client: Ramboll **Work Order:** 24080169

Client Project: KIN-24Q3 **Report Date:** 12-Sep-24

Lab ID: 24080169-006 **Client Sample ID:** MW-06

Matrix: GROUNDWATER **Collection Date:** 08/20/2024 11:14

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**11.57**	ft	1	08/20/2024 11:14	R352267
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**3.7**	NTU	1	08/20/2024 11:14	R352267
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**88**	mV	1	08/20/2024 11:14	R352267
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**746**	µS/cm	1	08/20/2024 11:14	R352267
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**16.9**	°C	1	08/20/2024 11:14	R352267
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**4.96**	mg/L	1	08/20/2024 11:14	R352267
SW-846 9040B FIELD									
pH	*	0	1.00		**6.45**		1	08/20/2024 11:14	R352267
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**285**	mg/L	1	08/22/2024 12:03	R352182
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	08/22/2024 12:03	R352182
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**520**	mg/L	1	08/21/2024 10:04	R352173
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	*	0.03	0.50	J	**0.12**	mg/L	10	08/21/2024 10:08	R352071
Chloride	*	1.0	5.0	J	**3.3**	mg/L	10	08/21/2024 10:08	R352071
Sulfate	*	0.33	10.0		**141**	mg/L	10	08/21/2024 10:08	R352071
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**102**	mg/L	1	08/21/2024 18:16	227380
Magnesium	NELAP	0.0055	0.0500		**43.4**	mg/L	1	08/21/2024 18:16	227380
Potassium	NELAP	0.0400	0.100		**1.43**	mg/L	1	08/21/2024 18:16	227380
Sodium	NELAP	0.0180	0.0500		**24.9**	mg/L	1	08/21/2024 18:16	227380
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	08/22/2024 10:16	227380
Arsenic	NELAP	0.0004	0.0010	J	**0.0007**	mg/L	5	08/23/2024 15:07	227380
Barium	NELAP	0.0007	0.0010		**0.0572**	mg/L	5	08/22/2024 10:16	227380
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	08/22/2024 10:16	227380
Boron	NELAP	0.0092	0.0250		**1.19**	mg/L	5	08/22/2024 10:16	227380
Cadmium	*	0.0002	0.0010		**< 0.0010**	mg/L	5	08/22/2024 10:16	227380
Chromium	NELAP	0.0007	0.0015		**0.0049**	mg/L	5	09/04/2024 11:44	227920
Cobalt	*	0.0001	0.0010		**0.0014**	mg/L	5	09/04/2024 11:44	227920
Lead	NELAP	0.0006	0.0010		**0.0022**	mg/L	5	09/05/2024 7:41	227920
Lithium	*	0.0015	0.0030		**0.0042**	mg/L	5	09/05/2024 7:41	227920
Molybdenum	NELAP	0.0006	0.0015		**< 0.0015**	mg/L	5	08/22/2024 10:16	227380
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	08/22/2024 10:16	227380
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	08/22/2024 10:16	227380
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	08/22/2024 12:26	227423

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24080169

Client Project: KIN-24Q3 **Report Date:** 12-Sep-24

Lab ID: 24080169-007 **Client Sample ID:** MW-07

Matrix: GROUNDWATER **Collection Date:** 08/20/2024 9:48

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**10.24**	ft	1	08/20/2024 9:48	R352267
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**7.0**	NTU	1	08/20/2024 9:48	R352267
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-140**	mV	1	08/20/2024 9:48	R352267
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1230**	µS/cm	1	08/20/2024 9:48	R352267
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**17.4**	°C	1	08/20/2024 9:48	R352267
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.72**	mg/L	1	08/20/2024 9:48	R352267
SW-846 9040B FIELD									
pH	*	0	1.00		**6.83**		1	08/20/2024 9:48	R352267
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**390**	mg/L	1	08/22/2024 11:48	R352182
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	08/22/2024 11:48	R352182
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**930**	mg/L	1	08/21/2024 10:05	R352173
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	*	0.03	0.50	J	**0.19**	mg/L	10	08/21/2024 10:43	R352071
Chloride	*	1.00	5.00		**6.50**	mg/L	10	08/21/2024 10:43	R352071
Sulfate	*	0.33	10.0		**347**	mg/L	10	08/21/2024 10:43	R352071
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**180**	mg/L	1	08/21/2024 18:18	227380
Magnesium	NELAP	0.0055	0.0500		**77.5**	mg/L	1	08/21/2024 18:18	227380
Potassium	NELAP	0.0400	0.100		**2.17**	mg/L	1	08/21/2024 18:18	227380
Sodium	NELAP	0.0180	0.0500		**22.6**	mg/L	1	08/21/2024 18:18	227380
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	08/22/2024 10:21	227380
Arsenic	NELAP	0.0004	0.0010		**0.0025**	mg/L	5	08/22/2024 10:21	227380
Barium	NELAP	0.0007	0.0010		**0.0942**	mg/L	5	08/22/2024 10:21	227380
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	08/22/2024 10:21	227380
Boron	NELAP	0.0092	0.0250		**0.555**	mg/L	5	08/22/2024 10:21	227380
Cadmium	*	0.0002	0.0010		**< 0.0010**	mg/L	5	08/22/2024 10:21	227380
Chromium	NELAP	0.0007	0.0015		**< 0.0015**	mg/L	5	08/22/2024 10:21	227380
Cobalt	*	0.0001	0.0010		**0.0029**	mg/L	5	08/23/2024 15:12	227380
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	08/22/2024 10:21	227380
Lithium	*	0.0015	0.0030	J	**0.0029**	mg/L	5	08/22/2024 10:21	227380
Molybdenum	NELAP	0.0006	0.0015		**0.0022**	mg/L	5	08/23/2024 15:12	227380
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	08/22/2024 10:21	227380
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	08/22/2024 10:21	227380
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	08/22/2024 12:28	227423

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24080169

Client Project: KIN-24Q3 **Report Date:** 12-Sep-24

Lab ID: 24080169-008 **Client Sample ID:** MW-07S

Matrix: GROUNDWATER **Collection Date:** 08/20/2024 10:11

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**10.64**	ft	1	08/20/2024 10:11	R352267
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**10**	NTU	1	08/20/2024 10:11	R352267
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-66**	mV	1	08/20/2024 10:11	R352267
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1600**	µS/cm	1	08/20/2024 10:11	R352267
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**19.3**	°C	1	08/20/2024 10:11	R352267
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**3.00**	mg/L	1	08/20/2024 10:11	R352267
SW-846 9040B FIELD									
pH	*	0	1.00		**6.66**		1	08/20/2024 10:11	R352267
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**420**	mg/L	1	08/22/2024 11:24	R352182
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	08/22/2024 11:24	R352182
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**486**	mg/L	1	08/21/2024 10:05	R352173
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	*	0.03	0.50	J	**0.23**	mg/L	10	08/21/2024 11:18	R352071
Chloride	*	1.00	5.00		**6.85**	mg/L	10	08/21/2024 11:18	R352071
Sulfate	*	0.33	10.0		**555**	mg/L	10	08/21/2024 11:18	R352071
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**191**	mg/L	1	08/21/2024 18:19	227380
Magnesium	NELAP	0.0055	0.0500		**73.4**	mg/L	1	08/21/2024 18:19	227380
Potassium	NELAP	0.0400	0.100		**2.68**	mg/L	1	08/21/2024 18:19	227380
Sodium	NELAP	0.0180	0.0500		**91.4**	mg/L	1	08/21/2024 18:19	227380
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	08/22/2024 10:27	227380
Arsenic	NELAP	0.0004	0.0010		**0.0094**	mg/L	5	08/22/2024 10:27	227380
Barium	NELAP	0.0007	0.0010		**0.0435**	mg/L	5	08/22/2024 10:27	227380
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	08/22/2024 10:27	227380
Boron	NELAP	0.0092	0.0250		**4.03**	mg/L	5	08/22/2024 10:27	227380
Cadmium	*	0.0002	0.0010		**< 0.0010**	mg/L	5	08/22/2024 10:27	227380
Chromium	NELAP	0.0007	0.0015	J	**0.0008**	mg/L	5	08/22/2024 10:27	227380
Cobalt	*	0.0001	0.0010		**0.0018**	mg/L	5	08/22/2024 10:27	227380
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	08/22/2024 10:27	227380
Lithium	*	0.0015	0.0030		**< 0.0030**	mg/L	5	08/22/2024 10:27	227380
Molybdenum	NELAP	0.0006	0.0015	J	**0.0010**	mg/L	5	08/22/2024 10:27	227380
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	08/22/2024 10:27	227380
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	08/22/2024 10:27	227380
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	08/22/2024 12:30	227423

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24080169

Client Project: KIN-24Q3 **Report Date:** 12-Sep-24

Lab ID: 24080169-009 **Client Sample ID:** MW-08

Matrix: GROUNDWATER **Collection Date:** 08/20/2024 10:19

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**9.33**	ft	1	08/20/2024 10:19	R352267
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**1.2**	NTU	1	08/20/2024 10:19	R352267
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**119**	mV	1	08/20/2024 10:19	R352267
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**763**	µS/cm	1	08/20/2024 10:19	R352267
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**15.7**	°C	1	08/20/2024 10:19	R352267
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.51**	mg/L	1	08/20/2024 10:19	R352267
SW-846 9040B FIELD									
pH	*	0	1.00		**6.41**		1	08/20/2024 10:19	R352267
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**454**	mg/L	1	08/22/2024 11:02	R352182
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	08/22/2024 11:02	R352182
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**816**	mg/L	1	08/21/2024 10:05	R352173
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	*	0.03	0.50	J	**0.12**	mg/L	10	08/21/2024 11:29	R352071
Chloride	*	1.00	5.00		**20.4**	mg/L	10	08/21/2024 11:29	R352071
Sulfate	*	0.33	10.0		**205**	mg/L	10	08/21/2024 11:29	R352071
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**161**	mg/L	1	08/21/2024 18:21	227380
Magnesium	NELAP	0.0055	0.0500		**72.1**	mg/L	1	08/21/2024 18:21	227380
Potassium	NELAP	0.0400	0.100		**0.541**	mg/L	1	08/21/2024 18:21	227380
Sodium	NELAP	0.0180	0.0500		**27.8**	mg/L	1	08/21/2024 18:21	227380
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	08/22/2024 10:33	227380
Arsenic	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	08/22/2024 10:33	227380
Barium	NELAP	0.0007	0.0010		**0.0276**	mg/L	5	08/22/2024 10:33	227380
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	08/22/2024 10:33	227380
Boron	NELAP	0.0092	0.0250		**0.930**	mg/L	5	08/22/2024 10:33	227380
Cadmium	*	0.0002	0.0010		**< 0.0010**	mg/L	5	08/22/2024 10:33	227380
Chromium	NELAP	0.0007	0.0015		**< 0.0015**	mg/L	5	08/22/2024 10:33	227380
Cobalt	*	0.0001	0.0010		**0.0012**	mg/L	5	08/23/2024 15:18	227380
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	08/22/2024 10:33	227380
Lithium	*	0.0015	0.0030	J	**0.0021**	mg/L	5	08/22/2024 10:33	227380
Molybdenum	NELAP	0.0006	0.0015		**< 0.0015**	mg/L	5	08/22/2024 10:33	227380
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	08/22/2024 10:33	227380
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	08/22/2024 10:33	227380
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	08/22/2024 12:55	227423

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24080169

Client Project: KIN-24Q3 **Report Date:** 12-Sep-24

Lab ID: 24080169-010 **Client Sample ID:** MW-08S

Matrix: GROUNDWATER **Collection Date:** 08/20/2024 0:00

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**9.53**	ft	1	08/20/2024 10:29	R352267
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**Well dry**	NTU	1	08/20/2024 10:29	R352267
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**Well dry**	mV	1	08/20/2024 10:29	R352267
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**Well dry**	µS/cm	1	08/20/2024 10:29	R352267
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**Well dry**	°C	1	08/20/2024 10:29	R352267
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**Well dry**	mg/L	1	08/20/2024 10:29	R352267
SW-846 9040B FIELD									
pH	*	0	1.00		**Well dry**		1	08/20/2024 10:29	R352267

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24080169

Client Project: KIN-24Q3 **Report Date:** 12-Sep-24

Lab ID: 24080169-013 **Client Sample ID:** MW-11

Matrix: GROUNDWATER **Collection Date:** 08/20/2024 10:57

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**11.97**	ft	1	08/20/2024 10:57	R352267
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**2.4**	NTU	1	08/20/2024 10:57	R352267
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**36**	mV	1	08/20/2024 10:57	R352267
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1030**	µS/cm	1	08/20/2024 10:57	R352267
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**17.9**	°C	1	08/20/2024 10:57	R352267
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.77**	mg/L	1	08/20/2024 10:57	R352267
SW-846 9040B FIELD									
pH	*	0	1.00		**6.67**		1	08/20/2024 10:57	R352267
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**421**	mg/L	1	08/22/2024 11:56	R352182
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	08/22/2024 11:56	R352182
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**632**	mg/L	1	08/21/2024 10:05	R352173
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	*	0.03	0.50	J	**0.43**	mg/L	10	08/21/2024 11:41	R352071
Chloride	*	1.00	5.00		**32.2**	mg/L	10	08/21/2024 11:41	R352071
Sulfate	*	0.33	10.0		**121**	mg/L	10	08/21/2024 11:41	R352071
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**123**	mg/L	1	08/21/2024 18:23	227380
Magnesium	NELAP	0.0055	0.0500		**51.5**	mg/L	1	08/21/2024 18:23	227380
Potassium	NELAP	0.0400	0.100		**0.905**	mg/L	1	08/21/2024 18:23	227380
Sodium	NELAP	0.0180	0.0500		**44.4**	mg/L	1	08/21/2024 18:23	227380
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	08/22/2024 11:52	227380
Arsenic	NELAP	0.0004	0.0010	J	**0.0007**	mg/L	5	08/22/2024 11:52	227380
Barium	NELAP	0.0007	0.0010		**0.115**	mg/L	5	08/22/2024 11:52	227380
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	08/22/2024 11:52	227380
Boron	NELAP	0.0092	0.0250		**1.48**	mg/L	5	08/22/2024 11:52	227380
Cadmium	*	0.0002	0.0010		**< 0.0010**	mg/L	5	08/22/2024 11:52	227380
Chromium	NELAP	0.0007	0.0015		**< 0.0015**	mg/L	5	08/22/2024 11:52	227380
Cobalt	*	0.0001	0.0010	J	**0.0006**	mg/L	5	08/22/2024 11:52	227380
Lead	NELAP	0.0006	0.0010		**0.0319**	mg/L	5	08/22/2024 11:52	227380
Lithium	*	0.0015	0.0030		**0.0032**	mg/L	5	08/22/2024 11:52	227380
Molybdenum	NELAP	0.0006	0.0015		**0.0021**	mg/L	5	08/23/2024 16:59	227380
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	08/22/2024 11:52	227380
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	08/22/2024 11:52	227380
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	08/22/2024 12:57	227423

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24080169

Client Project: KIN-24Q3 **Report Date:** 12-Sep-24

Lab ID: 24080169-014 **Client Sample ID:** MW-12

Matrix: GROUNDWATER **Collection Date:** 08/20/2024 12:56

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**7.21**	ft	1	08/20/2024 12:56	R352267
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**16**	NTU	1	08/20/2024 12:56	R352267
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-67**	mV	1	08/20/2024 12:56	R352267
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1420**	µS/cm	1	08/20/2024 12:56	R352267
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**18.4**	°C	1	08/20/2024 12:56	R352267
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**3.52**	mg/L	1	08/20/2024 12:56	R352267
SW-846 9040B FIELD									
pH	*	0	1.00		**6.74**		1	08/20/2024 12:56	R352267
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**518**	mg/L	1	08/22/2024 11:40	R352182
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	08/22/2024 11:40	R352182
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**1120**	mg/L	1	08/21/2024 10:06	R352173
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	*	0.03	0.50	J	**0.11**	mg/L	10	08/21/2024 11:53	R352071
Chloride	*	1.00	5.00		**29.5**	mg/L	10	08/21/2024 11:53	R352071
Sulfate	*	0.33	10.0		**360**	mg/L	10	08/21/2024 11:53	R352071
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**209**	mg/L	1	08/22/2024 16:27	227390
Magnesium	NELAP	0.0055	0.0500		**86.5**	mg/L	1	08/22/2024 16:27	227390
Potassium	NELAP	0.0400	0.100		**2.36**	mg/L	1	08/22/2024 16:27	227390
Sodium	NELAP	0.0180	0.0500		**55.7**	mg/L	1	08/22/2024 16:27	227390
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	J	**0.0007**	mg/L	5	08/22/2024 13:13	227390
Arsenic	NELAP	0.0004	0.0010	J	**0.0005**	mg/L	5	08/22/2024 13:13	227390
Barium	NELAP	0.0007	0.0010		**0.0779**	mg/L	5	08/22/2024 13:13	227390
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	08/22/2024 13:13	227390
Boron	NELAP	0.0092	0.0250		**3.07**	mg/L	5	08/23/2024 12:33	227390
Cadmium	*	0.0002	0.0010		**< 0.0010**	mg/L	5	08/22/2024 13:13	227390
Chromium	NELAP	0.0007	0.0015	J	**0.0009**	mg/L	5	08/22/2024 13:13	227390
Cobalt	*	0.0001	0.0010	J	**0.0002**	mg/L	5	08/22/2024 13:13	227390
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	08/22/2024 13:13	227390
Lithium	*	0.0015	0.0030		**0.0098**	mg/L	5	08/23/2024 12:33	227390
Molybdenum	NELAP	0.0006	0.0015	J	**0.0009**	mg/L	5	08/22/2024 13:13	227390
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	08/22/2024 13:13	227390
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	08/22/2024 13:13	227390

CCV recovered outside the upper control limits for Be, Co, Pb, and 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	08/22/2024 12:59	227423

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24080169

Client Project: KIN-24Q3 **Report Date:** 12-Sep-24

Lab ID: 24080169-015 **Client Sample ID:** MW-20

Matrix: GROUNDWATER **Collection Date:** 08/21/2024 11:18

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**9.80**	ft	1	08/21/2024 11:18	R352267
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**15**	NTU	1	08/21/2024 11:18	R352267
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-41**	mV	1	08/21/2024 11:18	R352267
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**980**	µS/cm	1	08/21/2024 11:18	R352267
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**16.9**	°C	1	08/21/2024 11:18	R352267
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**4.03**	mg/L	1	08/21/2024 11:18	R352267
SW-846 9040B FIELD									
pH	*	0	1.00		**6.90**		1	08/21/2024 11:18	R352267
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**417**	mg/L	1	08/22/2024 9:14	R352182
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	08/22/2024 9:14	R352182
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**672**	mg/L	1	08/23/2024 13:49	R352309
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	*	0.03	0.50	J	**0.28**	mg/L	10	08/22/2024 10:29	R352127
Chloride	*	1.00	5.00		**20.1**	mg/L	10	08/22/2024 10:29	R352127
Sulfate	*	0.33	10.0		**147**	mg/L	10	08/22/2024 10:29	R352127
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100	S	**137**	mg/L	1	08/26/2024 18:37	227422
Magnesium	NELAP	0.0055	0.0500	S	**68.1**	mg/L	1	08/26/2024 18:37	227422
Potassium	NELAP	0.0400	0.100		**1.11**	mg/L	1	08/26/2024 18:37	227422
Sodium	NELAP	0.0180	0.0500	S	**23.7**	mg/L	1	08/26/2024 18:37	227422
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	08/23/2024 18:08	227422
Arsenic	NELAP	0.0004	0.0010	J	**0.0006**	mg/L	5	08/23/2024 18:08	227422
Barium	NELAP	0.0007	0.0010		**0.0975**	mg/L	5	08/23/2024 18:08	227422
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	08/23/2024 18:08	227422
Boron	NELAP	0.0092	0.0250		**0.739**	mg/L	5	08/23/2024 18:08	227422
Cadmium	*	0.0002	0.0010		**< 0.0010**	mg/L	5	08/23/2024 18:08	227422
Chromium	NELAP	0.0007	0.0015		**0.0018**	mg/L	5	08/23/2024 18:08	227422
Cobalt	*	0.0001	0.0010	J	**0.0005**	mg/L	5	08/23/2024 18:08	227422
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	08/23/2024 18:08	227422
Lithium	*	0.0015	0.0030		**0.0040**	mg/L	5	08/23/2024 18:08	227422
Molybdenum	NELAP	0.0006	0.0015		**0.0034**	mg/L	5	08/27/2024 11:18	227422
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	08/23/2024 18:08	227422
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	08/23/2024 18:08	227422
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	08/22/2024 15:38	227494

Laboratory Results

Client: Ramboll **Work Order:** 24080169

Client Project: KIN-24Q3 **Report Date:** 12-Sep-24

Lab ID: 24080169-016 **Client Sample ID:** MW-20S

Matrix: GROUNDWATER **Collection Date:** 08/20/2024 11:47

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**9.76**	ft	1	08/20/2024 11:47	R352267
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**8.8**	NTU	1	08/20/2024 11:47	R352267
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**30**	mV	1	08/20/2024 11:47	R352267
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1430**	µS/cm	1	08/20/2024 11:47	R352267
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**19.0**	°C	1	08/20/2024 11:47	R352267
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.60**	mg/L	1	08/20/2024 11:47	R352267
SW-846 9040B FIELD									
pH	*	0	1.00		**6.60**		1	08/20/2024 11:47	R352267
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**453**	mg/L	1	08/22/2024 10:33	R352182
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	08/22/2024 10:33	R352182
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**1070**	mg/L	1	08/21/2024 10:19	R352173
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	*	0.03	0.50	J	**0.12**	mg/L	10	08/21/2024 12:39	R352071
Chloride	*	1.00	5.00		**18.0**	mg/L	10	08/21/2024 12:39	R352071
Sulfate	*	0.33	10.0		**389**	mg/L	10	08/21/2024 12:39	R352071
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**205**	mg/L	1	08/22/2024 16:29	227390
Magnesium	NELAP	0.0055	0.0500		**101**	mg/L	1	08/22/2024 16:29	227390
Potassium	NELAP	0.0400	0.100		**0.266**	mg/L	1	08/22/2024 16:29	227390
Sodium	NELAP	0.0180	0.0500		**31.7**	mg/L	1	08/22/2024 16:29	227390
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	08/22/2024 13:18	227390
Arsenic	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	08/22/2024 13:18	227390
Barium	NELAP	0.0007	0.0010		**0.0363**	mg/L	5	08/22/2024 13:18	227390
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	08/22/2024 13:18	227390
Boron	NELAP	0.0092	0.0250		**1.80**	mg/L	5	08/23/2024 12:39	227390
Cadmium	*	0.0002	0.0010		**< 0.0010**	mg/L	5	08/22/2024 13:18	227390
Chromium	NELAP	0.0007	0.0015	J	**0.0007**	mg/L	5	08/22/2024 13:18	227390
Cobalt	*	0.0001	0.0010	J	**0.0002**	mg/L	5	08/22/2024 13:18	227390
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	08/22/2024 13:18	227390
Lithium	*	0.0015	0.0030		**< 0.0030**	mg/L	5	08/22/2024 13:18	227390
Molybdenum	NELAP	0.0006	0.0015	J	**0.0006**	mg/L	5	08/22/2024 13:18	227390
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	08/22/2024 13:18	227390
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	08/22/2024 13:18	227390
CCV recovered outside the upper control limits for Be, Co, Pb, Li, and 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	08/22/2024 13:01	227423

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24080169

Client Project: KIN-24Q3 **Report Date:** 12-Sep-24

Lab ID: 24080169-017 **Client Sample ID:** MW-23

Matrix: GROUNDWATER **Collection Date:** 08/21/2024 10:19

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**16.59**	ft	1	08/21/2024 10:19	R352267
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**< 1.0**	NTU	1	08/21/2024 10:19	R352267
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-150**	mV	1	08/21/2024 10:19	R352267
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**954**	µS/cm	1	08/21/2024 10:19	R352267
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**16.2**	°C	1	08/21/2024 10:19	R352267
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**4.31**	mg/L	1	08/21/2024 10:19	R352267
SW-846 9040B FIELD									
pH	*	0	1.00		**6.80**		1	08/21/2024 10:19	R352267
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**483**	mg/L	1	08/22/2024 9:54	R352182
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	08/22/2024 9:54	R352182
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**600**	mg/L	1	08/23/2024 13:49	R352309
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	*	0.03	0.50	J	**0.26**	mg/L	10	08/22/2024 11:16	R352127
Chloride	*	1.00	5.00		**25.1**	mg/L	10	08/22/2024 11:16	R352127
Sulfate	*	0.33	10.0		**44.5**	mg/L	10	08/22/2024 11:16	R352127
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**119**	mg/L	1	08/26/2024 18:42	227422
Magnesium	NELAP	0.0055	0.0500		**53.3**	mg/L	1	08/26/2024 18:42	227422
Potassium	NELAP	0.0400	0.100		**1.26**	mg/L	1	08/26/2024 18:42	227422
Sodium	NELAP	0.0180	0.0500		**46.5**	mg/L	1	08/26/2024 18:42	227422
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	J	**0.0005**	mg/L	5	08/23/2024 17:34	227422
Arsenic	NELAP	0.0004	0.0010		**0.0032**	mg/L	5	08/23/2024 17:34	227422
Barium	NELAP	0.0007	0.0010		**0.109**	mg/L	5	08/23/2024 17:34	227422
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	08/23/2024 17:34	227422
Boron	NELAP	0.0092	0.0250		**2.08**	mg/L	5	08/23/2024 17:34	227422
Cadmium	*	0.0002	0.0010		**< 0.0010**	mg/L	5	08/23/2024 17:34	227422
Chromium	NELAP	0.0007	0.0015		**< 0.0015**	mg/L	5	08/23/2024 17:34	227422
Cobalt	*	0.0001	0.0010	J	**0.0009**	mg/L	5	08/26/2024 13:03	227422
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	08/23/2024 17:34	227422
Lithium	*	0.0015	0.0030		**< 0.0030**	mg/L	5	08/23/2024 17:34	227422
Molybdenum	NELAP	0.0006	0.0015	J	**0.0010**	mg/L	5	08/23/2024 17:34	227422
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	08/23/2024 17:34	227422
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	08/23/2024 17:34	227422
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	08/22/2024 15:41	227494

Laboratory Results

Client: Ramboll **Work Order:** 24080169

Client Project: KIN-24Q3 **Report Date:** 12-Sep-24

Lab ID: 24080169-018 **Client Sample ID:** MW-27

Matrix: GROUNDWATER **Collection Date:** 08/21/2024 10:25

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**16.34**	ft	1	08/21/2024 10:25	R352267
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**43**	NTU	1	08/21/2024 10:25	R352267
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-6**	mV	1	08/21/2024 10:25	R352267
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**993**	µS/cm	1	08/21/2024 10:25	R352267
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**18.4**	°C	1	08/21/2024 10:25	R352267
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**4.69**	mg/L	1	08/21/2024 10:25	R352267
SW-846 9040B FIELD									
pH	*	0	1.00		**6.54**		1	08/21/2024 10:25	R352267
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**422**	mg/L	1	08/22/2024 10:02	R352182
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	08/22/2024 10:02	R352182
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**1020**	mg/L	2.5	08/23/2024 13:49	R352309
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	*	0.03	0.50	J	**0.15**	mg/L	10	08/22/2024 11:27	R352127
Chloride	*	1.00	5.00		**10.4**	mg/L	10	08/22/2024 11:27	R352127
Sulfate	*	0.33	10.0		**403**	mg/L	10	08/22/2024 11:27	R352127
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**196**	mg/L	1	08/26/2024 18:43	227422
Magnesium	NELAP	0.0055	0.0500		**88.6**	mg/L	1	08/26/2024 18:43	227422
Potassium	NELAP	0.0400	0.100		**2.07**	mg/L	1	08/26/2024 18:43	227422
Sodium	NELAP	0.0180	0.0500		**29.6**	mg/L	1	08/26/2024 18:43	227422
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	08/23/2024 17:40	227422
Arsenic	NELAP	0.0004	0.0010		**0.0040**	mg/L	5	08/23/2024 17:40	227422
Barium	NELAP	0.0007	0.0010		**0.122**	mg/L	5	08/23/2024 17:40	227422
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	08/23/2024 17:40	227422
Boron	NELAP	0.0092	0.0250		**0.677**	mg/L	5	08/23/2024 17:40	227422
Cadmium	*	0.0002	0.0010		**< 0.0010**	mg/L	5	08/23/2024 17:40	227422
Chromium	NELAP	0.0007	0.0015		**0.0033**	mg/L	5	08/23/2024 17:40	227422
Cobalt	*	0.0001	0.0010		**0.0036**	mg/L	5	08/23/2024 17:40	227422
Lead	NELAP	0.0006	0.0010		**0.0012**	mg/L	5	08/23/2024 17:40	227422
Lithium	*	0.0015	0.0030		**0.0035**	mg/L	5	08/23/2024 17:40	227422
Molybdenum	NELAP	0.0006	0.0015		**0.0027**	mg/L	5	08/26/2024 13:09	227422
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	08/23/2024 17:40	227422
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	08/23/2024 17:40	227422
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	08/22/2024 15:43	227494

Laboratory Results

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

Client: Ramboll **Work Order:** 24080169

Client Project: KIN-24Q3 **Report Date:** 12-Sep-24

Lab ID: 24080169-019 **Client Sample ID:** MW-28

Matrix: GROUNDWATER **Collection Date:** 08/20/2024 12:02

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**7.93**	ft	1	08/20/2024 12:02	R352267
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**< 1.0**	NTU	1	08/20/2024 12:02	R352267
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**77**	mV	1	08/20/2024 12:02	R352267
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**2290**	µS/cm	1	08/20/2024 12:02	R352267
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**17.5**	°C	1	08/20/2024 12:02	R352267
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**3.84**	mg/L	1	08/20/2024 12:02	R352267
SW-846 9040B FIELD									
pH	*	0	1.00		**6.73**		1	08/20/2024 12:02	R352267
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**452**	mg/L	1	08/22/2024 10:40	R352182
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	08/22/2024 10:40	R352182
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**1980**	mg/L	1	08/21/2024 10:19	R352173
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	*	0.03	0.50		**ND**	mg/L	10	08/21/2024 12:51	R352071
Chloride	*	1.00	5.00		**9.44**	mg/L	10	08/21/2024 12:51	R352071
Sulfate	*	0.33	10.0		**1070**	mg/L	10	08/21/2024 12:51	R352071
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**318**	mg/L	1	08/22/2024 16:31	227390
Magnesium	NELAP	0.0055	0.0500		**143**	mg/L	1	08/22/2024 16:31	227390
Potassium	NELAP	0.0400	0.100		**1.08**	mg/L	1	08/22/2024 16:31	227390
Sodium	NELAP	0.0180	0.0500		**138**	mg/L	1	08/22/2024 16:31	227390
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	08/22/2024 13:24	227390
Arsenic	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	08/22/2024 13:24	227390
Barium	NELAP	0.0007	0.0010		**0.0249**	mg/L	5	08/22/2024 13:24	227390
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	08/22/2024 13:24	227390
Boron	NELAP	0.0092	0.0250		**7.99**	mg/L	5	08/23/2024 12:45	227390
Cadmium	*	0.0002	0.0010		**< 0.0010**	mg/L	5	08/22/2024 13:24	227390
Chromium	NELAP	0.0007	0.0015		**< 0.0015**	mg/L	5	08/22/2024 13:24	227390
Cobalt	*	0.0001	0.0010	J	**0.0005**	mg/L	5	08/22/2024 13:24	227390
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	08/22/2024 13:24	227390
Lithium	*	0.0015	0.0030		**0.0060**	mg/L	5	08/23/2024 12:45	227390
Molybdenum	NELAP	0.0006	0.0015		**< 0.0015**	mg/L	5	08/22/2024 13:24	227390
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	08/22/2024 13:24	227390
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	08/22/2024 13:24	227390
CCV recovered outside the upper control limits Be, Co, Pb, and 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	08/22/2024 13:04	227423

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24080169

Client Project: KIN-24Q3 **Report Date:** 12-Sep-24

Lab ID: 24080169-020 **Client Sample ID:** MW-30

Matrix: GROUNDWATER **Collection Date:** 08/20/2024 10:09

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**25.29**	ft	1	08/20/2024 10:09	R352267
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**< 1.0**	NTU	1	08/20/2024 10:09	R352267
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-101**	mV	1	08/20/2024 10:09	R352267
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1030**	µS/cm	1	08/20/2024 10:09	R352267
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**16.3**	°C	1	08/20/2024 10:09	R352267
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**4.30**	mg/L	1	08/20/2024 10:09	R352267
SW-846 9040B FIELD									
pH	*	0	1.00		**6.61**		1	08/20/2024 10:09	R352267
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**550**	mg/L	1	08/22/2024 10:47	R352182
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	08/22/2024 10:47	R352182
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**244**	mg/L	1	08/21/2024 10:19	R352173
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	*	0.03	0.50	J	**0.23**	mg/L	10	08/21/2024 13:03	R352071
Chloride	*	1.00	5.00		**38.5**	mg/L	10	08/21/2024 13:03	R352071
Sulfate	*	0.33	10	J	**2.0**	mg/L	10	08/21/2024 13:03	R352071
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**126**	mg/L	1	08/22/2024 16:32	227390
Magnesium	NELAP	0.0055	0.0500		**61.7**	mg/L	1	08/22/2024 16:32	227390
Potassium	NELAP	0.0400	0.100		**0.666**	mg/L	1	08/22/2024 16:32	227390
Sodium	NELAP	0.0180	0.0500		**46.5**	mg/L	1	08/22/2024 16:32	227390
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	08/22/2024 13:30	227390
Arsenic	NELAP	0.0004	0.0010		**0.0133**	mg/L	5	08/22/2024 13:30	227390
Barium	NELAP	0.0007	0.0010		**0.179**	mg/L	5	08/22/2024 13:30	227390
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	08/22/2024 13:30	227390
Boron	NELAP	0.0092	0.0250		**1.11**	mg/L	5	08/23/2024 12:50	227390
Cadmium	*	0.0002	0.0010		**< 0.0010**	mg/L	5	08/22/2024 13:30	227390
Chromium	NELAP	0.0007	0.0015		**< 0.0015**	mg/L	5	08/22/2024 13:30	227390
Cobalt	*	0.0001	0.0010		**0.0017**	mg/L	5	08/23/2024 12:50	227390
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	08/22/2024 13:30	227390
Lithium	*	0.0015	0.0030		**< 0.0030**	mg/L	5	08/22/2024 13:30	227390
Molybdenum	NELAP	0.0006	0.0015	J	**0.0012**	mg/L	5	08/22/2024 13:30	227390
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	08/22/2024 13:30	227390
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	08/22/2024 13:30	227390
CCV recovered outside the upper control limits Be, Pb, Li, and 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	08/22/2024 13:06	227423

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24080169

Client Project: KIN-24Q3 **Report Date:** 12-Sep-24

Lab ID: 24080169-021 **Client Sample ID:** MW-31

Matrix: GROUNDWATER **Collection Date:** 08/21/2024 12:17

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**32.18**	ft	1	08/21/2024 12:17	R352267
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**< 1.0**	NTU	1	08/21/2024 12:17	R352267
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-90**	mV	1	08/21/2024 12:17	R352267
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1040**	µS/cm	1	08/21/2024 12:17	R352267
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**16.7**	°C	1	08/21/2024 12:17	R352267
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**3.56**	mg/L	1	08/21/2024 12:17	R352267
SW-846 9040B FIELD									
pH	*	0	1.00		**6.69**		1	08/21/2024 12:17	R352267
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**539**	mg/L	1	08/22/2024 10:09	R352182
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	08/22/2024 10:09	R352182
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**500**	mg/L	2.5	08/23/2024 14:02	R352309
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	*	0.03	0.50	J	**0.06**	mg/L	10	08/22/2024 11:39	R352127
Chloride	*	1.00	5.00		**43.4**	mg/L	10	08/22/2024 11:39	R352127
Sulfate	*	0.33	10	J	**0.74**	mg/L	10	08/22/2024 11:39	R352127
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**141**	mg/L	1	08/26/2024 18:45	227422
Magnesium	NELAP	0.0055	0.0500		**65.0**	mg/L	1	08/26/2024 18:45	227422
Potassium	NELAP	0.0400	0.100		**0.865**	mg/L	1	08/26/2024 18:45	227422
Sodium	NELAP	0.0180	0.0500		**25.6**	mg/L	1	08/26/2024 18:45	227422
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	08/23/2024 17:46	227422
Arsenic	NELAP	0.0004	0.0010		**0.0022**	mg/L	5	08/23/2024 17:46	227422
Barium	NELAP	0.0007	0.0010		**0.219**	mg/L	5	08/23/2024 17:46	227422
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	08/23/2024 17:46	227422
Boron	NELAP	0.0092	0.0250		**0.202**	mg/L	5	08/23/2024 17:46	227422
Cadmium	*	0.0002	0.0010		**< 0.0010**	mg/L	5	08/23/2024 17:46	227422
Chromium	NELAP	0.0007	0.0015		**< 0.0015**	mg/L	5	08/23/2024 17:46	227422
Cobalt	*	0.0001	0.0010	J	**0.0007**	mg/L	5	08/23/2024 17:46	227422
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	08/23/2024 17:46	227422
Lithium	*	0.0015	0.0030		**0.0043**	mg/L	5	08/23/2024 17:46	227422
Molybdenum	NELAP	0.0006	0.0015		**< 0.0015**	mg/L	5	08/23/2024 17:46	227422
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	08/23/2024 17:46	227422
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	08/23/2024 17:46	227422
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	08/22/2024 15:45	227494

Laboratory Results

Client: Ramboll **Work Order:** 24080169

Client Project: KIN-24Q3 **Report Date:** 12-Sep-24

Lab ID: 24080169-022 **Client Sample ID:** MW-31S

Matrix: GROUNDWATER **Collection Date:** 08/21/2024 10:01

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**21.90**	ft	1	08/21/2024 10:01	R352267
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**19**	NTU	1	08/21/2024 10:01	R352267
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-68**	mV	1	08/21/2024 10:01	R352267
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1310**	µS/cm	1	08/21/2024 10:01	R352267
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**21.2**	°C	1	08/21/2024 10:01	R352267
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**5.58**	mg/L	1	08/21/2024 10:01	R352267
SW-846 9040B FIELD									
pH	*	0	1.00		**6.71**		1	08/21/2024 10:01	R352267
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**646**	mg/L	1	08/22/2024 10:17	R352182
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	08/22/2024 10:17	R352182
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	80	100		**650**	mg/L	5	08/23/2024 14:02	R352309
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	*	0.03	0.50	J	**0.08**	mg/L	10	08/22/2024 11:51	R352127
Chloride	*	1.00	5.00		**18.4**	mg/L	10	08/22/2024 11:51	R352127
Sulfate	*	0.33	10	J	**2.1**	mg/L	10	08/22/2024 11:51	R352127
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**151**	mg/L	1	08/26/2024 18:46	227422
Magnesium	NELAP	0.0055	0.0500		**74.0**	mg/L	1	08/26/2024 18:46	227422
Potassium	NELAP	0.0400	0.100		**0.904**	mg/L	1	08/26/2024 18:46	227422
Sodium	NELAP	0.0180	0.0500		**24.4**	mg/L	1	08/26/2024 18:46	227422
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	08/23/2024 17:51	227422
Arsenic	NELAP	0.0004	0.0010		**0.0166**	mg/L	5	08/23/2024 17:51	227422
Barium	NELAP	0.0007	0.0010		**0.262**	mg/L	5	08/23/2024 17:51	227422
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	08/23/2024 17:51	227422
Boron	NELAP	0.0092	0.0250		**0.105**	mg/L	5	08/23/2024 17:51	227422
Cadmium	*	0.0002	0.0010		**< 0.0010**	mg/L	5	08/23/2024 17:51	227422
Chromium	NELAP	0.0007	0.0015		**< 0.0015**	mg/L	5	08/23/2024 17:51	227422
Cobalt	*	0.0001	0.0010		**0.0012**	mg/L	5	08/26/2024 13:38	227422
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	08/23/2024 17:51	227422
Lithium	*	0.0015	0.0030	J	**0.0020**	mg/L	5	08/23/2024 17:51	227422
Molybdenum	NELAP	0.0006	0.0015		**< 0.0015**	mg/L	5	08/23/2024 17:51	227422
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	08/23/2024 17:51	227422
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	08/23/2024 17:51	227422
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	08/22/2024 15:47	227494

Laboratory Results

Client: Ramboll **Work Order:** 24080169

Client Project: KIN-24Q3 **Report Date:** 12-Sep-24

Lab ID: 24080169-023 **Client Sample ID:** MW-32

Matrix: GROUNDWATER **Collection Date:** 08/20/2024 12:48

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**25.16**	ft	1	08/20/2024 12:48	R352267
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**2.3**	NTU	1	08/20/2024 12:48	R352267
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**16**	mV	1	08/20/2024 12:48	R352267
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1410**	µS/cm	1	08/20/2024 12:48	R352267
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**16.2**	°C	1	08/20/2024 12:48	R352267
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.10**	mg/L	1	08/20/2024 12:48	R352267
SW-846 9040B FIELD									
pH	*	0	1.00		**6.41**		1	08/20/2024 12:48	R352267
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**518**	mg/L	1	08/22/2024 10:55	R352182
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	08/22/2024 10:55	R352182
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**1010**	mg/L	1	08/21/2024 10:19	R352173
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	*	0.03	0.50	J	**0.07**	mg/L	10	08/21/2024 13:14	R352071
Chloride	*	1.00	5.00		**10.1**	mg/L	10	08/21/2024 13:14	R352071
Sulfate	*	0.33	10.0		**335**	mg/L	10	08/21/2024 13:14	R352071
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**165**	mg/L	1	08/26/2024 16:39	227390
Magnesium	NELAP	0.0055	0.0500		**85.8**	mg/L	1	08/26/2024 16:39	227390
Potassium	NELAP	0.0400	0.100		**0.466**	mg/L	1	08/22/2024 17:02	227390
Sodium	NELAP	0.0180	0.0500		**61.8**	mg/L	1	08/26/2024 16:39	227390
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**0.0015**	mg/L	5	08/22/2024 14:16	227390
Arsenic	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	08/22/2024 14:16	227390
Barium	NELAP	0.0007	0.0010		**0.0497**	mg/L	5	08/22/2024 14:16	227390
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	08/22/2024 14:16	227390
Boron	NELAP	0.0092	0.0250		**1.59**	mg/L	5	08/23/2024 13:41	227390
Cadmium	*	0.0002	0.0010		**< 0.0010**	mg/L	5	08/22/2024 14:16	227390
Chromium	NELAP	0.0007	0.0015		**< 0.0015**	mg/L	5	08/22/2024 14:16	227390
Cobalt	*	0.0001	0.0010	J	**0.0005**	mg/L	5	08/22/2024 14:16	227390
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	08/22/2024 14:16	227390
Lithium	*	0.0015	0.0030	J	**0.0018**	mg/L	5	08/22/2024 14:16	227390
Molybdenum	NELAP	0.0006	0.0015		**< 0.0015**	mg/L	5	08/22/2024 14:16	227390
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	08/22/2024 14:16	227390
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	08/22/2024 14:16	227390

CCV recovered outside the upper control limits Be, Co, Pb, Li, and 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	08/22/2024 13:08	227423

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24080169

Client Project: KIN-24Q3 **Report Date:** 12-Sep-24

Lab ID: 24080169-028 **Client Sample ID:** PZ-4C

Matrix: GROUNDWATER **Collection Date:** 08/21/2024 10:54

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**9.09**	ft	1	08/21/2024 10:54	R352267
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**96**	NTU	1	08/21/2024 10:54	R352267
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-68**	mV	1	08/21/2024 10:54	R352267
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**950**	µS/cm	1	08/21/2024 10:54	R352267
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**17.6**	°C	1	08/21/2024 10:54	R352267
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.94**	mg/L	1	08/21/2024 10:54	R352267
SW-846 9040B FIELD									
pH	*	0	1.00		**6.83**		1	08/21/2024 10:54	R352267
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**422**	mg/L	1	08/22/2024 9:40	R352182
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	08/22/2024 9:40	R352182
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**570**	mg/L	2.5	08/23/2024 14:24	R352309
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	*	0.03	0.50	J	**0.30**	mg/L	10	08/22/2024 9:54	R352127
Chloride	*	1.00	5.00		**34.2**	mg/L	10	08/22/2024 9:54	R352127
Sulfate	*	0.33	10.0		**65.3**	mg/L	10	08/22/2024 9:54	R352127
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**131**	mg/L	1	08/26/2024 19:00	227422
Magnesium	NELAP	0.0055	0.0500		**50.2**	mg/L	1	08/26/2024 19:00	227422
Potassium	NELAP	0.0400	0.100		**2.79**	mg/L	1	08/26/2024 19:00	227422
Sodium	NELAP	0.0180	0.0500		**36.2**	mg/L	1	08/26/2024 19:00	227422
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	08/23/2024 19:00	227422
Arsenic	NELAP	0.0004	0.0010		**0.0022**	mg/L	5	08/23/2024 19:00	227422
Barium	NELAP	0.0007	0.0010		**0.295**	mg/L	5	08/23/2024 19:00	227422
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	08/23/2024 19:00	227422
Boron	NELAP	0.0092	0.0250		**1.37**	mg/L	5	08/23/2024 19:00	227422
Cadmium	*	0.0002	0.0010		**< 0.0010**	mg/L	5	08/23/2024 19:00	227422
Chromium	NELAP	0.0007	0.0015		**0.0076**	mg/L	5	08/23/2024 19:00	227422
Cobalt	*	0.0001	0.0010		**0.0026**	mg/L	5	08/26/2024 13:44	227422
Lead	NELAP	0.0006	0.0010		**0.0040**	mg/L	5	08/23/2024 19:00	227422
Lithium	*	0.0015	0.0030		**0.0119**	mg/L	5	08/23/2024 19:00	227422
Molybdenum	NELAP	0.0006	0.0015	J	**0.0006**	mg/L	5	08/23/2024 19:00	227422
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	08/23/2024 19:00	227422
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	08/23/2024 19:00	227422
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	08/22/2024 16:01	227494

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24080169

Client Project: KIN-24Q3 **Report Date:** 12-Sep-24

Lab ID: 24080169-029 **Client Sample ID:** SG-02

Matrix: GROUNDWATER **Collection Date:** 08/19/2024 12:17

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**19.73**	ft	1	08/19/2024 12:17	R352267

Laboratory Results

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

Client: Ramboll **Work Order:** 24080169

Client Project: KIN-24Q3 **Report Date:** 12-Sep-24

Lab ID: 24080169-030 **Client Sample ID:** XSG-01

Matrix: GROUNDWATER **Collection Date:** 08/19/2024 10:10

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**5.12**	ft	1	08/19/2024 10:10	R352267

Laboratory Results

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

Client: Ramboll **Work Order:** 24080169

Client Project: KIN-24Q3 **Report Date:** 12-Sep-24

Lab ID: 24080169-031 **Client Sample ID:** Field Blank

Matrix: AQUEOUS **Collection Date:** 08/21/2024 12:40

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**2**	mg/L	1	08/22/2024 9:47	R352182
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	08/22/2024 9:47	R352182
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**< 20**	mg/L	1	08/23/2024 14:24	R352309
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	*	0.03	0.50		**ND**	mg/L	10	08/22/2024 10:06	R352127
Chloride	*	1.00	5.00		**ND**	mg/L	10	08/22/2024 10:06	R352127
Sulfate	*	0.33	10.0		**ND**	mg/L	10	08/22/2024 10:06	R352127
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**< 0.100**	mg/L	1	08/26/2024 19:02	227422
Magnesium	NELAP	0.0055	0.050	J	**0.0076**	mg/L	1	08/26/2024 19:02	227422
Potassium	NELAP	0.0400	0.100		**< 0.100**	mg/L	1	08/26/2024 19:02	227422
Sodium	NELAP	0.0180	0.0500		**< 0.0500**	mg/L	1	08/26/2024 19:02	227422
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	08/23/2024 19:06	227422
Arsenic	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	08/23/2024 19:06	227422
Barium	NELAP	0.0007	0.0010		**< 0.0010**	mg/L	5	08/23/2024 19:06	227422
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	08/23/2024 19:06	227422
Boron	NELAP	0.0092	0.0250		**< 0.0250**	mg/L	5	08/23/2024 19:06	227422
Cadmium	*	0.0002	0.0010		**< 0.0010**	mg/L	5	08/23/2024 19:06	227422
Chromium	NELAP	0.0007	0.0015		**< 0.0015**	mg/L	5	08/23/2024 19:06	227422
Cobalt	*	0.0001	0.0010		**< 0.0010**	mg/L	5	08/23/2024 19:06	227422
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	08/23/2024 19:06	227422
Lithium	*	0.0015	0.0030		**< 0.0030**	mg/L	5	08/23/2024 19:06	227422
Molybdenum	NELAP	0.0006	0.0015		**< 0.0015**	mg/L	5	08/23/2024 19:06	227422
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	08/23/2024 19:06	227422
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	08/23/2024 19:06	227422
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	08/22/2024 16:03	227494

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24080169

Client Project: KIN-24Q3 **Report Date:** 12-Sep-24

Lab ID: 24080169-032 **Client Sample ID:** MW-08 Duplicate

Matrix: GROUNDWATER **Collection Date:** 08/20/2024 10:19

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**9.33**	ft	1	08/20/2024 10:19	R352267
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**1.2**	NTU	1	08/20/2024 10:19	R352267
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**119**	mV	1	08/20/2024 10:19	R352267
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**763**	µS/cm	1	08/20/2024 10:19	R352267
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**15.7**	°C	1	08/20/2024 10:19	R352267
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.51**	mg/L	1	08/20/2024 10:19	R352267
SW-846 9040B FIELD									
pH	*	0	1.00		**6.41**		1	08/20/2024 10:19	R352267
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**454**	mg/L	1	08/22/2024 11:10	R352182
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	08/22/2024 11:10	R352182
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**790**	mg/L	1	08/21/2024 10:20	R352173
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	*	0.03	0.50	J	**0.12**	mg/L	10	08/21/2024 13:38	R352071
Chloride	*	1.00	5.00		**20.4**	mg/L	10	08/21/2024 13:38	R352071
Sulfate	*	0.33	10.0		**206**	mg/L	10	08/21/2024 13:38	R352071
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**157**	mg/L	1	08/26/2024 16:49	227390
Magnesium	NELAP	0.0055	0.0500		**71.2**	mg/L	1	08/26/2024 16:49	227390
Potassium	NELAP	0.0400	0.100		**0.584**	mg/L	1	08/22/2024 17:05	227390
Sodium	NELAP	0.0180	0.0500		**28.0**	mg/L	1	08/26/2024 16:49	227390
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	08/22/2024 14:27	227390
Arsenic	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	08/22/2024 14:27	227390
Barium	NELAP	0.0007	0.0010		**0.0274**	mg/L	5	08/22/2024 14:27	227390
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	08/22/2024 14:27	227390
Boron	NELAP	0.0092	0.0250		**0.952**	mg/L	5	08/23/2024 13:52	227390
Cadmium	*	0.0002	0.0010		**< 0.0010**	mg/L	5	08/22/2024 14:27	227390
Chromium	NELAP	0.0007	0.0015		**< 0.0015**	mg/L	5	08/22/2024 14:27	227390
Cobalt	*	0.0001	0.0010		**0.0014**	mg/L	5	08/23/2024 13:52	227390
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	08/22/2024 14:27	227390
Lithium	*	0.0015	0.0030	J	**0.0018**	mg/L	5	08/22/2024 14:27	227390
Molybdenum	NELAP	0.0006	0.0015	J	**0.0007**	mg/L	5	08/22/2024 14:27	227390
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	08/22/2024 14:27	227390
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	08/22/2024 14:27	227390

CCV recovered outside the upper control limits Be, Fe, Li, Pb, and 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	08/22/2024 13:17	227423

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24080169

Client Project: KIN-24Q3 **Report Date:** 12-Sep-24

Lab ID: 24080169-033 **Client Sample ID:** Equipment Blank

Matrix: AQUEOUS **Collection Date:** 08/21/2024 12:45

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	08/22/2024 9:51	R352182
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	08/22/2024 9:51	R352182
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**< 20**	mg/L	1	08/26/2024 19:04	R352374
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	*	0.03	0.50		**ND**	mg/L	10	08/22/2024 10:17	R352127
Chloride	*	1.00	5.00		**ND**	mg/L	10	08/22/2024 10:17	R352127
Sulfate	*	0.33	10.0		**ND**	mg/L	10	08/22/2024 10:17	R352127
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.10	J	**0.081**	mg/L	1	08/26/2024 19:03	227422
Magnesium	NELAP	0.0055	0.050	J	**0.028**	mg/L	1	08/26/2024 19:03	227422
Potassium	NELAP	0.0400	0.100		**< 0.100**	mg/L	1	08/26/2024 19:03	227422
Sodium	NELAP	0.0180	0.0500		**0.0826**	mg/L	1	08/26/2024 19:03	227422
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	J	**0.0006**	mg/L	5	08/23/2024 19:17	227422
Arsenic	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	08/23/2024 19:17	227422
Barium	NELAP	0.0007	0.0010		**< 0.0010**	mg/L	5	09/04/2024 13:03	227920
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	08/23/2024 19:17	227422
Boron	NELAP	0.0092	0.0250		**< 0.0250**	mg/L	5	08/23/2024 19:17	227422
Cadmium	*	0.0002	0.0010		**< 0.0010**	mg/L	5	09/04/2024 13:03	227920
Chromium	NELAP	0.0007	0.0015		**< 0.0015**	mg/L	5	09/04/2024 13:03	227920
Cobalt	*	0.0001	0.0010	J	**0.0001**	mg/L	5	09/04/2024 13:03	227920
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	09/05/2024 8:14	227920
Lithium	*	0.0015	0.0030		**< 0.0030**	mg/L	5	08/23/2024 19:17	227422
Molybdenum	NELAP	0.0006	0.0015		**< 0.0015**	mg/L	5	08/23/2024 19:17	227422
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	08/23/2024 19:17	227422
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	08/23/2024 19:17	227422
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	08/22/2024 16:06	227494

Sample Summary

Client: Ramboll
Work Order: 24080169
Client Project: KIN-24Q3
Report Date: 12-Sep-24

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
24080169-001	MW-01	Groundwater	4	08/19/2024 10:26
24080169-002	MW-02	Groundwater	4	08/19/2024 10:29
24080169-003	MW-03	Groundwater	4	08/19/2024 11:32
24080169-005	MW-05	Groundwater	4	08/19/2024 13:26
24080169-006	MW-06	Groundwater	4	08/20/2024 11:14
24080169-007	MW-07	Groundwater	4	08/20/2024 9:48
24080169-008	MW-07S	Groundwater	3	08/20/2024 10:11
24080169-009	MW-08	Groundwater	4	08/20/2024 10:19
24080169-010	MW-08S	Groundwater	3	08/20/2024 0:00
24080169-013	MW-11	Groundwater	4	08/20/2024 10:57
24080169-014	MW-12	Groundwater	4	08/20/2024 12:56
24080169-015	MW-20	Groundwater	3	08/21/2024 11:18
24080169-016	MW-20S	Groundwater	3	08/20/2024 11:47
24080169-017	MW-23	Groundwater	3	08/21/2024 10:19
24080169-018	MW-27	Groundwater	3	08/21/2024 10:25
24080169-019	MW-28	Groundwater	3	08/20/2024 12:02
24080169-020	MW-30	Groundwater	3	08/20/2024 10:09
24080169-021	MW-31	Groundwater	3	08/21/2024 12:17
24080169-022	MW-31S	Groundwater	3	08/21/2024 10:01
24080169-023	MW-32	Groundwater	3	08/20/2024 12:48
24080169-028	PZ-4C	Groundwater	3	08/21/2024 10:54
24080169-029	SG-02	Groundwater	1	08/19/2024 12:17
24080169-030	XSG-01	Groundwater	1	08/19/2024 10:10
24080169-031	Field Blank	Aqueous	4	08/21/2024 12:40
24080169-032	MW-08 Duplicate	Groundwater	4	08/20/2024 10:19
24080169-033	Equipment Blank	Aqueous	4	08/21/2024 12:45

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24080169

Client Project: KIN-24Q3 **Report Date:** 12-Sep-24

STANDARD METHODS 2510 B FIELD

Batch R352267 **SampType:** LCS Units **µS/cm**
SampID: LCS-1-BG

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	100.1	90	110	08/19/2024

Batch R352267 **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	99.6	90	110	08/19/2024

Batch R352267 **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		**1420**	1412	0	100.8	90	110	08/20/2024

Batch R352267 **SampType:** LCS Units **µS/cm**
SampID: LCS-2-BG

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	100.1	90	110	08/20/2024

Batch R352267 **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	99.9	90	110	08/20/2024

Batch R352267 **SampType:** LCS Units **µS/cm**
SampID: LCS-2-TC

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	100.1	90	110	08/21/2024

Batch R352267 **SampType:** LCS Units **µS/cm**
SampID: LCS-3-BG

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	99.9	90	110	08/21/2024

Batch R352267 **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	99.6	90	110	08/21/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24080169

Client Project: KIN-24Q3 **Report Date:** 12-Sep-24

SW-846 9040B FIELD

Batch R352267 **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		**7.01**	7.000	0	100.1	98.57	101.4	08/19/2024

Batch R352267 **SampType:** LCS Units

SampID: LCS-1-JC

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.00**	7.000	0	100.0	98.57	101.4	08/19/2024

Batch R352267 **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		**7.06**	7.000	0	100.9	98.57	101.4	08/20/2024

Batch R352267 **SampType:** LCS Units

SampID: LCS-2-BG

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.01**	7.000	0	100.1	98.57	101.4	08/20/2024

Batch R352267 **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	08/20/2024

Batch R352267 **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		**7.03**	7.000	0	100.4	98.57	101.4	08/21/2024

Batch R352267 **SampType:** LCS Units

SampID: LCS-3-BG

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.00**	7.000	0	100.0	98.57	101.4	08/21/2024

Batch R352267 **SampType:** LCS Units

SampID: LCS-3-JC

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.01**	7.000	0	100.1	98.57	101.4	08/21/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24080169

Client Project: KIN-24Q3 **Report Date:** 12-Sep-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R352109 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	08/20/2024

Batch R352109 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**998**	1000	0	99.8	90	110	08/20/2024

Batch R352109 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24080169-002ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**524**				518.0	1.15	08/20/2024

Batch R352173 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	08/21/2024
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	08/21/2024

Batch R352173 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**986**	1000	0	98.6	90	110	08/21/2024
Total Dissolved Solids		20		**984**	1000	0	98.4	90	110	08/21/2024

Batch R352173 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24071451-100ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20	H	**1440**				1394	3.11	08/21/2024

Batch R352173 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24071451-102ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20	H	**706**				706.0	0.00	08/21/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24080169

Client Project: KIN-24Q3 **Report Date:** 12-Sep-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R352173 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24081724-002ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**430**				422.0	1.88	08/21/2024

Batch R352309 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	08/23/2024
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	08/23/2024

Batch R352309 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**978**	1000	0	97.8	90	110	08/23/2024
Total Dissolved Solids		20		**964**	1000	0	96.4	90	110	08/23/2024

Batch R352309 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24080169-026ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**764**				774.0	1.30	08/23/2024

Batch R352309 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24081888-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**1070**				1104	2.94	08/23/2024

Batch R352374 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	08/26/2024
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	08/26/2024

Batch R352374 **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		**996**	1000	0	99.6	90	110	08/26/2024
Total Dissolved Solids		20		**934**	1000	0	93.4	90	110	08/26/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24080169

Client Project: KIN-24Q3 **Report Date:** 12-Sep-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R352374 **SampType:** DUP Units **mg/L** RPD Limit **10**

SampID: 24081839-003ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		50		**395**				435.0	9.64	08/26/2024

Batch R352374 **SampType:** DUP Units **mg/L** RPD Limit **10**

SampID: 24081865-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**2560**				2514	1.89	08/26/2024

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

Batch R351946 **SampType:** MBLK Units **mg/L**

SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05	J	**0.01**	0.0250	0	24.0	-100	100	08/19/2024
Nitrogen, Nitrite (as N)		0.05	J	**0.01**	0.0250	0	24.0	-100	100	08/19/2024

Batch R351946 **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	103.1	90	110	08/19/2024
Nitrogen, Nitrite (as N)		0.05		**0.31**	0.3045	0	102.5	90	110	08/19/2024

Batch R351946 **SampType:** MS Units **mg/L**

SampID: 24080169-001AMS

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	0.006000	97.0	85	115	08/19/2024

Batch R351946 **SampType:** MSD Units **mg/L** RPD Limit **10**

SampID: 24080169-001AMSD

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	0.006000	97.8	0.4910	0.81	08/19/2024

Batch R351946 **SampType:** MS Units **mg/L**

SampID: 24081553-001AMS

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	0.05500	99.4	85	115	08/19/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24080169

Client Project: KIN-24Q3 **Report Date:** 12-Sep-24

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

Batch R351946 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24081553-001AMSD

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	0.05500	99.4	0.5520	0.00	08/19/2024

Batch R351946 **SampType:** MS Units **mg/L**
SampID: 24081568-002AMS

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	0.01800	94.8	85	115	08/19/2024

Batch R351946 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24081568-002AMSD

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	0.01800	93.8	0.4920	1.02	08/19/2024

Batch R352055 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05	J	**0.01**	0.0250	0	24.0	-100	100	08/20/2024
Nitrogen, Nitrite (as N)		0.05	J	**0.01**	0.0250	0	24.0	-100	100	08/20/2024

Batch R352055 **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	08/20/2024
Nitrogen, Nitrite (as N)		0.05		**0.31**	0.3045	0	100.8	90	110	08/20/2024

Batch R352055 **SampType:** MS Units **mg/L**
SampID: 24080169-006AMS

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	0.008000	101.2	85	115	08/20/2024

Batch R352055 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24080169-006AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.52**	0.5000	0.008000	101.8	0.5140	0.58	08/20/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24080169

Client Project: KIN-24Q3 **Report Date:** 12-Sep-24

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

Batch R352055 **SampType:** MS Units **mg/L**
SampID: 24081666-001AMS

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	0.05900	100.8	85	115	08/20/2024

Batch R352055 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24081666-001AMSD

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	0.05900	100.6	0.5630	0.18	08/20/2024

Batch R352055 **SampType:** MS Units **mg/L**
SampID: 24081724-002AMS

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	100.2	85	115	08/20/2024

Batch R352055 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24081724-002AMSD

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	100.0	0.5010	0.20	08/20/2024

Batch R352101 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05	J	**0.01**	0.0250	0	24.0	-100	100	08/21/2024
Nitrogen, Nitrite (as N)		0.05	J	**0.01**	0.0250	0	24.0	-100	100	08/21/2024

Batch R352101 **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	08/21/2024
Nitrogen, Nitrite (as N)		0.05		**0.31**	0.3045	0	101.5	90	110	08/21/2024

Batch R352101 **SampType:** MS Units **mg/L**
SampID: 24080169-031AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.50**	0.5000	0.006000	98.6	85	115	08/21/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24080169

Client Project: KIN-24Q3 **Report Date:** 12-Sep-24

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

Batch R352101 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24080169-031AMSD

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	0.006000	98.2	0.4990	0.40	08/21/2024

Batch R352101 **SampType:** MS Units **mg/L**
SampID: 24081731-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.48**	0.5000	0.007000	94.8	85	115	08/21/2024

Batch R352101 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24081731-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.48**	0.5000	0.007000	94.2	0.4810	0.63	08/21/2024

Batch R352101 **SampType:** MS Units **mg/L**
SampID: 24081733-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.48**	0.5000	0.006000	95.8	85	115	08/21/2024

Batch R352101 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24081733-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.48**	0.5000	0.006000	95.2	0.4850	0.62	08/21/2024

Batch R352101 **SampType:** MS Units **mg/L**
SampID: 24081733-011BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.48**	0.5000	0.006000	95.8	85	115	08/21/2024

Batch R352101 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24081733-011BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.48**	0.5000	0.006000	94.4	0.4850	1.45	08/21/2024

Batch R352101 **SampType:** MS Units **mg/L**
SampID: 24081796-001AMS

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	0.01400	91.0	85	115	08/21/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24080169

Client Project: KIN-24Q3 **Report Date:** 12-Sep-24

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

Batch R352101 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24081796-001AMSD

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	0.01400	90.2	0.4690	0.86	08/21/2024

Batch R352101 **SampType:** MS Units **mg/L**
SampID: 24081839-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.50**	0.5000	0.006000	98.6	85	115	08/21/2024

Batch R352101 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24081839-001AMSD

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	0.006000	97.6	0.4990	1.01	08/21/2024

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

Batch R352067 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate (as N)		0.050		**< 0.050**						08/20/2024
Nitrogen, Nitrate-Nitrite (as N)		0.050		**< 0.050**	0.0090	0	0	-100	100	08/20/2024

Batch R352067 **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		**0.522**	0.5000	0	104.4	90	110	08/20/2024

Batch R352067 **SampType:** MS Units **mg/L**
SampID: 24081352-002CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.500		**5.02**	2.500	2.495	101.1	90	110	08/20/2024

Batch R352067 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24081352-002CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.500		**4.94**	2.500	2.495	97.6	5.023	1.77	08/20/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24080169

Client Project: KIN-24Q3 **Report Date:** 12-Sep-24

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

Batch R352067 **SampType:** MS Units **mg/L**
SampID: 24081469-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		**18.2**	5.000	13.65	91.8	90	110	08/20/2024

Batch R352067 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24081469-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		**18.9**	5.000	13.65	104.4	18.24	3.37	08/20/2024

Batch R352067 **SampType:** MS Units **mg/L**
SampID: 24081540-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		2.50		**32.0**	12.50	19.19	102.4	90	110	08/20/2024

Batch R352067 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24081540-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		2.50		**31.9**	12.50	19.19	101.7	31.98	0.26	08/20/2024

Batch R352067 **SampType:** MS Units **mg/L**
SampID: 24081624-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.290**	0.2500	0.04200	99.2	90	110	08/20/2024

Batch R352067 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24081624-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.297**	0.2500	0.04200	102.0	0.2900	2.39	08/20/2024

Batch R352134 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate (as N)		0.050		**< 0.050**						08/21/2024
Nitrogen, Nitrate-Nitrite (as N)		0.050		**< 0.050**	0.0090	0	0	-100	100	08/21/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24080169

Client Project: KIN-24Q3 **Report Date:** 12-Sep-24

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

Batch R352134 **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		**0.505**	0.5000	0	101.0	90	110	08/21/2024

Batch R352134 **SampType:** MS Units **mg/Kg-dry**
SampID: 24081186-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		13.8		**88.6**	68.76	26.40	90.5	90	110	08/21/2024

Batch R352134 **SampType:** MSD Units **mg/Kg-dry** RPD Limit **10**
SampID: 24081186-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		13.8	S	**87.4**	68.76	26.40	88.8	88.65	1.37	08/21/2024

Batch R352134 **SampType:** MS Units **mg/L**
SampID: 24081724-005AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.233**	0.2500	0	93.2	85	115	08/21/2024

Batch R352134 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24081724-005AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.249**	0.2500	0	99.6	0.2330	6.64	08/21/2024

Batch R352134 **SampType:** MS Units **mg/L**
SampID: 24081731-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		2.50		**38.1**	12.50	25.58	100.5	90	110	08/21/2024

Batch R352134 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24081731-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		2.50		**38.3**	12.50	25.58	101.9	38.15	0.46	08/21/2024

Batch R352134 **SampType:** MS Units **mg/L**
SampID: 24081733-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.216**	0.2500	0	86.4	85	115	08/21/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24080169

Client Project: KIN-24Q3 **Report Date:** 12-Sep-24

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

Batch R352134 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24081733-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050	S	**0.211**	0.2500	0	84.4	0.2160	2.34	08/21/2024

Batch R352134 **SampType:** MS Units **mg/L**
SampID: 24081733-012BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.265**	0.2500	0.02200	97.2	85	115	08/21/2024

Batch R352134 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24081733-012BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.243**	0.2500	0.02200	88.4	0.2650	8.66	08/21/2024

Batch R352134 **SampType:** DUP Units **mg/L** RPD Limit **0**
SampID: 24081662-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate (as N)		2.50		**< 2.50**				0	0.00	08/21/2024
Nitrogen, Nitrate-Nitrite (as N)		2.50		**28.5**				28.16	1.15	08/21/2024

Batch R352194 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate (as N)		0.050		**< 0.050**						08/22/2024
Nitrogen, Nitrate-Nitrite (as N)		0.050		**< 0.050**	0.0090	0	0	-100	100	08/22/2024

Batch R352194 **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		**0.521**	0.5000	0	104.2	90	110	08/22/2024

Batch R352194 **SampType:** MS Units **mg/L**
SampID: 24081730-001HMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		2.50		**37.5**	12.50	24.60	103.3	90	110	08/22/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24080169

Client Project: KIN-24Q3 **Report Date:** 12-Sep-24

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

Batch R352194 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24081730-001HMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		2.50		**37.8**	12.50	24.60	105.3	37.52	0.65	08/22/2024

Batch R352194 **SampType:** MS Units **mg/L**
SampID: 24081839-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.223**	0.2500	0	89.2	85	115	08/22/2024

Batch R352194 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24081839-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.213**	0.2500	0	85.2	0.2230	4.59	08/22/2024

Batch R352194 **SampType:** MS Units **mg/L**
SampID: 24081854-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.470**	0.2500	0.2280	96.8	85	115	08/22/2024

Batch R352194 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24081854-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.469**	0.2500	0.2280	96.4	0.4700	0.21	08/22/2024

Batch R352194 **SampType:** MS Units **mg/L**
SampID: 24081870-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.618**	0.2500	0.3780	96.0	90	110	08/22/2024

Batch R352194 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24081870-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.617**	0.2500	0.3780	95.6	0.6180	0.16	08/22/2024

Batch R352194 **SampType:** MS Units **mg/L**
SampID: 24081920-003BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.377**	0.2500	0.1450	92.8	85	115	08/22/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

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Client: Ramboll **Work Order:** 24080169

Client Project: KIN-24Q3 **Report Date:** 12-Sep-24

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

Batch R352194 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24081920-003BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.382**	0.2500	0.1450	94.8	0.3770	1.32	08/22/2024

Batch R352194 **SampType:** MS Units **mg/L**
SampID: 24081949-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050	S	**0.216**	0.2500	0.009000	82.8	85	115	08/22/2024

Batch R352194 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24081949-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.222**	0.2500	0.009000	85.2	0.2160	2.74	08/22/2024

SW-846 9012A (TOTAL)

Batch 227393 **SampType:** MBLK Units **mg/L**
SampID: MBLK 240820 TCN1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**< 0.005**	0.0015	0	0	-100	100	08/22/2024

Batch 227393 **SampType:** LCS Units **mg/L**
SampID: LCS 240820 TCN1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.025**	0.0250	0	101.4	90	110	08/22/2024

Batch 227393 **SampType:** MS Units **mg/L**
SampID: 24081349-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.025		**0.122**	0.1250	0	97.5	90	110	08/22/2024

Batch 227393 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24081349-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.025		**0.123**	0.1250	0	98.5	0.1218	1.02	08/22/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24080169

Client Project: KIN-24Q3 **Report Date:** 12-Sep-24

SW-846 9012A (TOTAL)

Batch 227393 **SampType:** MS Units **mg/L**
SampID: 24081364-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005	S	**0.030**	0.0250	0.008085	88.0	90	110	08/22/2024

Batch 227393 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24081364-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005	S	**0.028**	0.0250	0.008085	81.4	0.03008	5.66	08/22/2024

Batch 227465 **SampType:** MBLK Units **mg/L**
SampID: MBLK 240821 TCN1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**< 0.005**	0.0015	0	0	-100	100	08/22/2024

Batch 227465 **SampType:** LCS Units **mg/L**
SampID: LCS 240821 TCN1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.027**	0.0250	0	106.8	90	110	08/22/2024

Batch 227465 **SampType:** MS Units **mg/L**
SampID: 24081569-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.025		**0.127**	0.1250	0	101.4	90	110	08/22/2024

Batch 227465 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24081569-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.025		**0.127**	0.1250	0	101.7	0.1267	0.32	08/22/2024

Batch 227465 **SampType:** MS Units **mg/L**
SampID: 24081733-001EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.025**	0.0250	0	101.7	75	125	08/22/2024

Batch 227465 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24081733-001EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.026**	0.0250	0	102.1	0.02542	0.47	08/22/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24080169

Client Project: KIN-24Q3 **Report Date:** 12-Sep-24

SW-846 9012A (TOTAL)

Batch 227573 **SampType:** MBLK Units **mg/L**
SampID: MBLK 240823 TCN1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**< 0.005**	0.0015	0	0	-100	100	08/26/2024

Batch 227573 **SampType:** LCS Units **mg/L**
SampID: LCS 240823 TCN1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.025**	0.0250	0	100.5	90	110	08/26/2024

Batch 227573 **SampType:** MS Units **mg/L**
SampID: 24081879-001DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.025**	0.0250	0	99.2	75	125	08/26/2024

Batch 227573 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24081879-001DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.025**	0.0250	0	100.6	0.02480	1.46	08/26/2024

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R351979 **SampType:** MBLK Units **mg/L**
SampID: MBLK/ICB

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.05		**ND**						08/20/2024
Chloride		0.50		**ND**						08/20/2024
Sulfate		1.00		**ND**						08/20/2024

Batch R351979 **SampType:** LCS Units **mg/L**
SampID: LCS/ICV/QCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.05		**1.01**	1.000	0	100.7	90	110	08/20/2024
Chloride		0.50		**20.5**	20.00	0	102.4	90	110	08/20/2024
Sulfate		1.00		**18.6**	20.00	0	92.9	90	110	08/20/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24080169

Client Project: KIN-24Q3 **Report Date:** 12-Sep-24

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R351979 **SampType:** MS Units **mg/L**

SampID: 24080169-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride	*	0.50		**10.3**	10.00	0.1190	101.4	80	120	08/20/2024
Chloride	*	5.00		**221**	200.0	14.12	103.5	80	120	08/20/2024
Sulfate	*	10.0		**279**	200.0	87.77	95.5	80	120	08/20/2024

Batch R351979 **SampType:** MSD Units **mg/L** RPD Limit **15**

SampID: 24080169-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride	*	0.50		**10.3**	10.00	0.1190	101.5	10.25	0.19	08/20/2024
Chloride	*	5.00		**222**	200.0	14.12	103.8	221.0	0.26	08/20/2024
Sulfate	*	10.0		**279**	200.0	87.77	95.5	278.7	0.03	08/20/2024

Batch R352071 **SampType:** MBLK Units **mg/L**

SampID: MBLK/ICB

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.05		**ND**						08/21/2024
Chloride		0.50		**ND**						08/21/2024
Sulfate		1.00		**ND**						08/21/2024

Batch R352071 **SampType:** LCS Units **mg/L**

SampID: LCS/ICV/QCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.05		**1.01**	1.000	0	101.3	90	110	08/21/2024
Chloride		0.50		**20.6**	20.00	0	103.2	90	110	08/21/2024
Sulfate		1.00		**19.0**	20.00	0	95.2	90	110	08/21/2024

Batch R352071 **SampType:** MS Units **mg/L**

SampID: 24080169-006AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride	*	0.50		**10.3**	10.00	0.1180	101.6	80	120	08/21/2024
Chloride	*	5.00		**209**	200.0	3.288	103.1	80	120	08/21/2024
Sulfate	*	10.0		**340**	200.0	141.3	99.4	80	120	08/21/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

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Client: Ramboll **Work Order:** 24080169

Client Project: KIN-24Q3 **Report Date:** 12-Sep-24

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R352071 **SampType:** MSD Units **mg/L** RPD Limit **15**

SampID: 24080169-006AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride	*	0.50		**10.4**	10.00	0.1180	102.4	10.28	0.78	08/21/2024
Chloride	*	5.00		**211**	200.0	3.288	104.0	209.4	0.89	08/21/2024
Sulfate	*	10.0		**338**	200.0	141.3	98.5	340.0	0.51	08/21/2024

Batch R352071 **SampType:** MS Units **mg/L**

SampID: 24080169-007AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride	*	0.50		**10.4**	10.00	0.1940	102.0	80	120	08/21/2024
Chloride	*	5.00		**214**	200.0	6.501	103.9	80	120	08/21/2024
Sulfate	*	10.0		**549**	200.0	346.9	101.2	80	120	08/21/2024

Batch R352071 **SampType:** MSD Units **mg/L** RPD Limit **15**

SampID: 24080169-007AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride	*	0.50		**10.4**	10.00	0.1940	102.2	10.39	0.22	08/21/2024
Chloride	*	5.00		**214**	200.0	6.501	104.0	214.3	0.08	08/21/2024
Sulfate	*	10.0		**548**	200.0	346.9	100.4	549.3	0.28	08/21/2024

Batch R352127 **SampType:** MBLK Units **mg/L**

SampID: MBLK/ICB

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.05		**ND**						08/22/2024
Chloride		0.50		**ND**						08/22/2024
Sulfate		1.00		**ND**						08/22/2024

Batch R352127 **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	99.8	90	110	08/22/2024
Chloride		0.50		**20.6**	20.00	0	103.1	90	110	08/22/2024
Sulfate		1.00		**19.0**	20.00	0	94.8	90	110	08/22/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24080169

Client Project: KIN-24Q3 **Report Date:** 12-Sep-24

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R352127 **SampType:** MS Units **mg/L**

SampID: 24080169-024AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride	*	0.50		**10.2**	10.00	0.1410	100.4	80	120	08/22/2024
Chloride	*	5.00		**233**	200.0	24.71	104.2	80	120	08/22/2024
Sulfate	*	10.0		**365**	200.0	168.9	98.2	80	120	08/22/2024

Batch R352127 **SampType:** MSD Units **mg/L** RPD Limit **15**

SampID: 24080169-024AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride	*	0.50		**10.2**	10.00	0.1410	100.7	10.18	0.25	08/22/2024
Chloride	*	5.00		**233**	200.0	24.71	104.3	233.1	0.04	08/22/2024
Sulfate	*	10.0		**365**	200.0	168.9	98.1	365.4	0.06	08/22/2024

Batch R352127 **SampType:** MS Units **mg/L**

SampID: 24080169-027AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride	*	0.50		**10.2**	10.00	0.2410	100.0	80	120	08/22/2024
Chloride	*	5.00		**224**	200.0	17.65	103.1	80	120	08/22/2024
Sulfate	*	10.0		**306**	200.0	113.3	96.5	80	120	08/22/2024

Batch R352127 **SampType:** MSD Units **mg/L** RPD Limit **15**

SampID: 24080169-027AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride	*	0.50		**10.3**	10.00	0.2410	100.5	10.24	0.50	08/22/2024
Chloride	*	5.00		**224**	200.0	17.65	103.4	223.9	0.18	08/22/2024
Sulfate	*	10.0		**306**	200.0	113.3	96.2	306.2	0.20	08/22/2024

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 227380 **SampType:** MBLK Units **mg/L**

SampID: MBLK-227380

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	08/21/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	08/21/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	08/21/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	08/21/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24080169

Client Project: KIN-24Q3 **Report Date:** 12-Sep-24

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 227380 **SampType:** LCS Units **mg/L**
SampID: LCS-227380

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.60**	2.500	0	104.1	85	115	08/21/2024
Magnesium		0.0500		**2.45**	2.500	0	98.1	85	115	08/21/2024
Potassium		0.100		**2.69**	2.500	0	107.6	85	115	08/21/2024
Sodium		0.0500		**2.64**	2.500	0	105.7	85	115	08/21/2024

Batch 227380 **SampType:** MS Units **mg/L**
SampID: 24080169-005BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**174**	2.500	172.8	37.2	75	125	08/21/2024
Magnesium		0.0500		**89.6**	2.500	87.51	82.0	75	125	08/21/2024
Potassium		0.100		**3.91**	2.500	1.330	103.3	75	125	08/21/2024
Sodium		0.0500		**27.7**	2.500	25.79	76.4	75	125	08/21/2024

Batch 227380 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24080169-005BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100		**175**	2.500	172.8	92.4	173.7	0.79	08/21/2024
Magnesium		0.0500		**90.3**	2.500	87.51	113.0	89.56	0.86	08/21/2024
Potassium		0.100		**3.91**	2.500	1.330	103.1	3.912	0.10	08/21/2024
Sodium		0.0500		**27.8**	2.500	25.79	81.6	27.70	0.47	08/21/2024

Batch 227380 **SampType:** MS Units **mg/L**
SampID: 24081597-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**234**	2.500	233.0	23.6	75	125	08/21/2024
Magnesium		0.0500		**93.8**	2.500	91.70	83.9	75	125	08/21/2024

Batch 227380 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24081597-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**244**	2.500	233.0	444.0	233.6	4.40	08/21/2024
Magnesium		0.0500	S	**97.8**	2.500	91.70	243.4	93.80	4.16	08/21/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24080169

Client Project: KIN-24Q3 **Report Date:** 12-Sep-24

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 227390 **SampType:** MBLK Units **mg/L**
SampID: MBLK-227390

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	08/21/2024
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	08/22/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	08/22/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	08/21/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	08/22/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	08/21/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	08/22/2024

Batch 227390 **SampType:** LCS Units **mg/L**
SampID: LCS-227390

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.71**	2.500	0	108.5	85	115	08/22/2024
Calcium		0.100		**2.56**	2.500	0	102.5	85	115	08/21/2024
Magnesium		0.0500		**2.43**	2.500	0	97.3	85	115	08/22/2024
Potassium		0.100		**2.71**	2.500	0	108.2	85	115	08/21/2024
Potassium		0.100		**2.68**	2.500	0	107.0	85	115	08/22/2024
Sodium		0.0500		**2.67**	2.500	0	106.9	85	115	08/21/2024
Sodium		0.0500		**2.66**	2.500	0	106.2	85	115	08/22/2024

Batch 227422 **SampType:** MBLK Units **mg/L**
SampID: MBLK-227422

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	08/26/2024
Iron		0.0400		**< 0.0400**	0.0200	0	0	-100	100	08/26/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	08/26/2024
Manganese		0.0070		**< 0.0070**	0.0025	0	0	-100	100	08/26/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	08/26/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	08/26/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24080169

Client Project: KIN-24Q3 **Report Date:** 12-Sep-24

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 227422 **SampType:** LCS Units **mg/L**
SampID: LCS-227422

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.74**	2.500	0	109.5	85	115	08/26/2024
Iron		0.0400		**2.16**	2.000	0	108.0	85	115	08/26/2024
Magnesium		0.0500		**2.47**	2.500	0	98.6	85	115	08/26/2024
Manganese		0.0070		**0.522**	0.5000	0	104.4	85	115	08/26/2024
Potassium		0.100		**2.82**	2.500	0	112.6	85	115	08/26/2024
Sodium		0.0500		**2.70**	2.500	0	108.1	85	115	08/26/2024

Batch 227422 **SampType:** MS Units **mg/L**
SampID: 24080169-015BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**140**	2.500	136.6	122.8	75	125	08/26/2024
Magnesium		0.0500		**70.9**	2.500	68.10	111.6	75	125	08/26/2024
Potassium		0.100		**3.85**	2.500	1.108	109.8	75	125	08/26/2024
Sodium		0.0500	S	**25.2**	2.500	23.67	59.2	75	125	08/26/2024

Batch 227422 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24080169-015BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**141**	2.500	136.6	175.2	139.6	0.93	08/26/2024
Magnesium		0.0500	S	**71.5**	2.500	68.10	137.6	70.89	0.91	08/26/2024
Potassium		0.100		**3.87**	2.500	1.108	110.6	3.852	0.51	08/26/2024
Sodium		0.0500	S	**25.4**	2.500	23.67	69.2	25.15	0.99	08/26/2024

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch 227396 **SampType:** MBLK Units **mg/L**
SampID: MBLK-227396

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	08/30/2024
Manganese		0.0020		**< 0.0020**	0.0008	0	0	-100	100	08/29/2024

Batch 227396 **SampType:** LCS Units **mg/L**
SampID: LCS-227396

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Iron		0.0250		**1.73**	2.000	0	86.3	80	120	08/30/2024
Manganese		0.0020		**0.450**	0.5000	0	89.9	80	120	08/30/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24080169

Client Project: KIN-24Q3 **Report Date:** 12-Sep-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch 227396 **SampType:** MS Units **mg/L**
SampID: 24080169-003CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Iron		0.0250		**1.72**	2.000	0	85.8	75	125	09/03/2024
Manganese		0.0020		**0.456**	0.5000	0.04739	81.7	75	125	08/30/2024

Batch 227396 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24080169-003CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Iron		0.0250		**1.77**	2.000	0	88.4	1.716	3.02	09/03/2024
Manganese		0.0020		**0.479**	0.5000	0.04739	86.3	0.4561	4.88	08/30/2024

Batch 227416 **SampType:** MBLK Units **mg/L**
SampID: MBLK-227416

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	08/29/2024
Manganese		0.0020		**< 0.0020**	0.0008	0	0	-100	100	08/29/2024

Batch 227416 **SampType:** LCS Units **mg/L**
SampID: LCS-227416

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Iron		0.0250		**1.91**	2.000	0	95.6	80	120	08/29/2024
Manganese		0.0020		**0.502**	0.5000	0	100.3	80	120	08/29/2024

Batch 227416 **SampType:** MS Units **mg/L**
SampID: 24080169-020CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Iron		0.100	S	**8.90**	2.000	6.250	132.7	75	125	09/03/2024
Manganese		0.0080	S	**3.05**	0.5000	4.005	-191.0	75	125	08/30/2024

Batch 227416 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24080169-020CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Iron		0.100	S	**8.88**	2.000	6.250	131.4	8.905	0.29	09/03/2024
Manganese		0.0080	S	**2.94**	0.5000	4.005	-213.0	3.050	3.68	08/30/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24080169

Client Project: KIN-24Q3 **Report Date:** 12-Sep-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch 227416 **SampType:** MS Units **mg/L**
SampID: 24080169-032CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Iron		0.0250		**1.83**	2.000	0	91.6	75	125	09/03/2024
Manganese		0.0100	S	**5.99**	0.5000	5.667	64.8	75	125	08/30/2024

Batch 227416 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24080169-032CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Iron		0.0250		**1.81**	2.000	0	90.7	1.833	1.03	09/03/2024
Manganese		0.0100		**6.06**	0.5000	5.667	78.5	5.992	1.14	08/30/2024

Batch 227476 **SampType:** MBLK Units **mg/L**
SampID: MBLK-227476

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	08/29/2024
Manganese		0.0020		**< 0.0020**	0.0008	0	0	-100	100	08/29/2024

Batch 227476 **SampType:** LCS Units **mg/L**
SampID: LCS-227476

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Iron		0.0250		**1.88**	2.000	0	93.8	80	120	08/29/2024
Manganese		0.0020		**0.471**	0.5000	0	94.2	80	120	08/29/2024

Batch 227476 **SampType:** MS Units **mg/L**
SampID: 24080169-021CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Iron		0.0250		**6.30**	2.000	4.607	84.4	75	125	09/03/2024
Manganese		0.0020		**1.01**	0.5000	0.4502	111.0	75	125	08/29/2024

Batch 227476 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24080169-021CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Iron		0.0250		**6.51**	2.000	4.607	95.0	6.296	3.31	09/03/2024
Manganese		0.0020		**0.991**	0.5000	0.4502	108.2	1.005	1.44	08/29/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24080169

Client Project: KIN-24Q3 **Report Date:** 12-Sep-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch 227476 **SampType:** MS Units **mg/L**

SampID: 24080169-027CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Iron		0.0250		**1.71**	2.000	0.03920	83.5	75	125	08/30/2024
Manganese		0.0020		**0.460**	0.5000	0.03902	84.1	75	125	08/29/2024

Batch 227476 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 24080169-027CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Iron		0.0250		**1.73**	2.000	0.03920	84.7	1.709	1.45	08/30/2024
Manganese		0.0020		**0.485**	0.5000	0.03902	89.2	0.4597	5.33	08/29/2024

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 227380 **SampType:** MBLK Units **mg/L**

SampID: MBLK-227380

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	08/21/2024
Arsenic		0.0010		**< 0.0010**	0.0004	0	0	-100	100	08/21/2024
Barium		0.0010		**< 0.0010**	0.0007	0	0	-100	100	08/21/2024
Beryllium		0.0010		**< 0.0010**	0.0002	0	0	-100	100	08/21/2024
Boron	*	0.0250		**< 0.0250**	0.0093	0	0	-100	100	08/21/2024
Cadmium	*	0.0010		**< 0.0010**	0.0001	0	0	-100	100	08/21/2024
Chromium		0.0015		**< 0.0015**	0.0007	0	0	-100	100	08/21/2024
Cobalt		0.0010		**< 0.0010**	0.0001	0	0	-100	100	08/21/2024
Copper	*	0.0010		**< 0.0010**	0.0003	0	0	-100	100	08/21/2024
Iron	*	0.0250		**< 0.0250**	0.0115	0	0	-100	100	08/21/2024
Lead		0.0010		**< 0.0010**	0.0006	0	0	-100	100	08/21/2024
Lithium	*	0.0030		**< 0.0030**	0.0015	0	0	-100	100	08/22/2024
Manganese		0.0020		**< 0.0020**	0.0008	0	0	-100	100	08/21/2024
Molybdenum		0.0015		**< 0.0015**	0.0006	0	0	-100	100	08/21/2024
Nickel		0.0010		**< 0.0010**	0.0004	0	0	-100	100	08/21/2024
Selenium		0.0010		**< 0.0010**	0.0006	0	0	-100	100	08/21/2024
Silver		0.0010		**< 0.0010**	0.0001	0	0	-100	100	08/21/2024
Thallium		0.0020		**< 0.0020**	0.0010	0	0	-100	100	08/21/2024
Vanadium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	08/21/2024
Zinc		0.0150		**< 0.0150**	0.0059	0	0	-100	100	08/21/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24080169

Client Project: KIN-24Q3 **Report Date:** 12-Sep-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 227380 **SampType:** LCS Units **mg/L**

SampID: LCS-227380

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		**0.556**	0.5000	0	111.1	85	115	08/21/2024
Arsenic		0.0010		**0.551**	0.5000	0	110.2	85	115	08/21/2024
Barium		0.0010		**2.16**	2.000	0	108.1	85	115	08/21/2024
Beryllium		0.0010		**0.0524**	0.0500	0	104.8	85	115	08/21/2024
Boron	*	0.0250		**0.505**	0.5000	0	101.0	85	115	08/21/2024
Cadmium	*	0.0010		**0.0505**	0.0500	0	101.1	85	115	08/21/2024
Chromium		0.0015		**0.197**	0.2000	0	98.3	85	115	08/21/2024
Cobalt		0.0010		**0.514**	0.5000	0	102.9	85	115	08/21/2024
Copper	*	0.0010		**0.249**	0.2500	0	99.6	85	115	08/21/2024
Iron	*	0.0250		**2.08**	2.000	0	104.1	85	115	08/21/2024
Lead		0.0010	E	**0.501**	0.5000	0	100.1	85	115	08/21/2024
Lithium	*	0.0030		**0.531**	0.5000	0	106.3	85	115	08/22/2024
Manganese		0.0020		**0.525**	0.5000	0	104.9	85	115	08/21/2024
Molybdenum		0.0015		**0.470**	0.5000	0	94.0	85	115	08/21/2024
Nickel		0.0010		**0.502**	0.5000	0	100.3	85	115	08/21/2024
Selenium		0.0010		**0.524**	0.5000	0	104.8	85	115	08/21/2024
Silver		0.0010		**0.0503**	0.0500	0	100.5	85	115	08/21/2024
Thallium		0.0020		**0.250**	0.2500	0	100.2	85	115	08/21/2024
Vanadium		0.0050		**0.502**	0.5000	0	100.3	85	115	08/21/2024
Zinc		0.0150		**0.504**	0.5000	0	100.7	85	115	08/21/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24080169

Client Project: KIN-24Q3 **Report Date:** 12-Sep-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 227380 **SampType:** MS Units **mg/L**

SampID: 24080169-005BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		**0.531**	0.5000	0	106.3	75	125	08/22/2024
Arsenic		0.0010		**0.527**	0.5000	0.001415	105.1	75	125	08/22/2024
Barium		0.0010		**2.12**	2.000	0.1749	97.5	75	125	08/22/2024
Beryllium		0.0010		**0.0516**	0.0500	0	103.1	75	125	08/22/2024
Boron		0.0250		**0.955**	0.5000	0.5050	89.9	75	125	08/22/2024
Cadmium	*	0.0010		**0.0485**	0.0500	0	97.0	75	125	08/22/2024
Chromium		0.0015		**0.199**	0.2000	0.004831	97.0	75	125	08/23/2024
Cobalt	*	0.0010		**0.480**	0.5000	0.001636	95.7	75	125	08/23/2024
Copper		0.0010		**0.247**	0.2500	0.002759	97.6	75	125	08/22/2024
Iron		0.0250		**4.57**	2.000	2.807	88.3	75	125	08/23/2024
Lead		0.0010		**0.446**	0.5000	0.001431	89.0	75	125	08/22/2024
Lithium	*	0.0030		**0.517**	0.5000	0.005101	102.3	75	125	08/22/2024
Manganese		0.0020		**0.801**	0.5000	0.3150	97.3	75	125	08/22/2024
Molybdenum		0.0015		**0.482**	0.5000	0.0007477	96.3	75	125	08/23/2024
Nickel		0.0010		**0.501**	0.5000	0.005065	99.3	75	125	08/22/2024
Selenium		0.0010		**0.453**	0.5000	0	90.6	75	125	08/22/2024
Silver		0.0010		**0.0505**	0.0500	0	101.0	75	125	08/23/2024
Thallium		0.0020		**0.201**	0.2500	0	80.2	75	125	08/22/2024
Vanadium		0.0050		**0.508**	0.5000	0.005553	100.4	75	125	08/22/2024
Zinc		0.0150		**0.483**	0.5000	0	96.5	75	125	08/22/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24080169

Client Project: KIN-24Q3 **Report Date:** 12-Sep-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 227380 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 24080169-005BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		0.0010		**0.556**	0.5000	0	111.3	0.5314	4.59	08/22/2024
Arsenic		0.0010		**0.555**	0.5000	0.001415	110.7	0.5267	5.22	08/22/2024
Barium		0.0010		**2.19**	2.000	0.1749	100.8	2.124	3.07	08/22/2024
Beryllium		0.0010		**0.0540**	0.0500	0	108.0	0.05157	4.58	08/22/2024
Boron		0.0250		**1.02**	0.5000	0.5050	102.7	0.9547	6.45	08/22/2024
Cadmium	*	0.0010		**0.0521**	0.0500	0	104.3	0.04850	7.22	08/22/2024
Chromium		0.0015		**0.201**	0.2000	0.004831	98.2	0.1989	1.18	08/23/2024
Cobalt	*	0.0010		**0.463**	0.5000	0.001636	92.3	0.4799	3.55	08/23/2024
Copper		0.0010		**0.259**	0.2500	0.002759	102.6	0.2468	4.89	08/22/2024
Iron		0.0250		**4.67**	2.000	2.807	93.3	4.573	2.19	08/23/2024
Lead		0.0010		**0.483**	0.5000	0.001431	96.3	0.4465	7.87	08/22/2024
Lithium	*	0.0030		**0.553**	0.5000	0.005101	109.5	0.5168	6.68	08/22/2024
Manganese		0.0020		**0.837**	0.5000	0.3150	104.5	0.8014	4.40	08/22/2024
Molybdenum		0.0015		**0.494**	0.5000	0.0007477	98.7	0.4820	2.47	08/23/2024
Nickel		0.0010		**0.522**	0.5000	0.005065	103.4	0.5013	4.06	08/22/2024
Selenium		0.0010		**0.477**	0.5000	0	95.5	0.4532	5.17	08/22/2024
Silver		0.0010		**0.0524**	0.0500	0	104.8	0.05052	3.62	08/23/2024
Thallium		0.0020		**0.236**	0.2500	0	94.5	0.2005	16.39	08/22/2024
Vanadium		0.0050		**0.533**	0.5000	0.005553	105.4	0.5077	4.79	08/22/2024
Zinc		0.0150		**0.511**	0.5000	0	102.1	0.4825	5.67	08/22/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24080169

Client Project: KIN-24Q3 **Report Date:** 12-Sep-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 227390 **SampType:** MBLK Units **mg/L**

SampID: MBLK-227390

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	08/22/2024
Arsenic		0.0010		**< 0.0010**	0.0004	0	0	-100	100	08/22/2024
Barium		0.0010		**< 0.0010**	0.0007	0	0	-100	100	08/22/2024
Beryllium		0.0010		**< 0.0010**	0.0002	0	0	-100	100	08/22/2024
Boron	*	0.0250		**< 0.0250**	0.0093	0	0	-100	100	08/22/2024
Cadmium	*	0.0010		**< 0.0010**	0.0001	0	0	-100	100	08/22/2024
Chromium		0.0015		**< 0.0015**	0.0007	0	0	-100	100	08/22/2024
Cobalt		0.0010		**< 0.0010**	0.0001	0	0	-100	100	08/22/2024
Copper	*	0.0010		**< 0.0010**	0.0003	0	0	-100	100	08/22/2024
Iron	*	0.0250		**< 0.0250**	0.0115	0	0	-100	100	08/22/2024
Lead		0.0010		**< 0.0010**	0.0006	0	0	-100	100	08/22/2024
Lithium	*	0.0030		**< 0.0030**	0.0015	0	0	-100	100	08/22/2024
Manganese		0.0020		**< 0.0020**	0.0008	0	0	-100	100	08/22/2024
Molybdenum		0.0015		**< 0.0015**	0.0006	0	0	-100	100	08/22/2024
Nickel		0.0010		**< 0.0010**	0.0004	0	0	-100	100	08/22/2024
Selenium		0.0010		**< 0.0010**	0.0006	0	0	-100	100	08/22/2024
Silver		0.0010		**< 0.0010**	0.0001	0	0	-100	100	08/23/2024
Thallium		0.0020		**< 0.0020**	0.0010	0	0	-100	100	08/22/2024
Vanadium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	08/22/2024
Zinc		0.0150		**< 0.0150**	0.0059	0	0	-100	100	08/22/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

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Client: Ramboll **Work Order:** 24080169

Client Project: KIN-24Q3 **Report Date:** 12-Sep-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 227390 **SampType:** LCS Units **mg/L**

SampID: LCS-227390

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		**0.533**	0.5000	0	106.6	85	115	08/22/2024
Arsenic		0.0010		**0.522**	0.5000	0	104.5	85	115	08/22/2024
Barium		0.0010		**2.02**	2.000	0	100.8	85	115	08/22/2024
Beryllium		0.0010		**0.0495**	0.0500	0	99.0	85	115	08/22/2024
Boron	*	0.0250		**0.479**	0.5000	0	95.7	85	115	08/22/2024
Cadmium	*	0.0010		**0.0483**	0.0500	0	96.7	85	115	08/22/2024
Chromium		0.0015		**0.191**	0.2000	0	95.5	85	115	08/22/2024
Cobalt		0.0010		**0.477**	0.5000	0	95.4	85	115	08/22/2024
Copper	*	0.0010		**0.245**	0.2500	0	97.9	85	115	08/22/2024
Iron	*	0.0250		**1.99**	2.000	0	99.4	85	115	08/22/2024
Lead		0.0010		**0.464**	0.5000	0	92.8	85	115	08/22/2024
Lithium	*	0.0030		**0.513**	0.5000	0	102.6	85	115	08/22/2024
Manganese		0.0020		**0.494**	0.5000	0	98.7	85	115	08/22/2024
Molybdenum		0.0015		**0.460**	0.5000	0	91.9	85	115	08/22/2024
Nickel		0.0010		**0.479**	0.5000	0	95.7	85	115	08/22/2024
Selenium		0.0010		**0.490**	0.5000	0	98.0	85	115	08/22/2024
Silver		0.0010		**0.0522**	0.0500	0	104.5	85	115	08/23/2024
Thallium		0.0020		**0.227**	0.2500	0	91.0	85	115	08/22/2024
Vanadium		0.0050		**0.490**	0.5000	0	98.1	85	115	08/22/2024
Zinc		0.0150		**0.486**	0.5000	0	97.3	85	115	08/22/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24080169

Client Project: KIN-24Q3 **Report Date:** 12-Sep-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 227422 **SampType:** MBLK Units **mg/L**

SampID: MBLK-227422

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	08/23/2024
Arsenic		0.0010		**< 0.0010**	0.0004	0	0	-100	100	08/23/2024
Barium		0.0010		**< 0.0010**	0.0007	0	0	-100	100	08/23/2024
Beryllium		0.0010		**< 0.0010**	0.0002	0	0	-100	100	08/23/2024
Boron		0.0250		**< 0.0250**	0.0093	0	0	-100	100	08/23/2024
Cadmium	*	0.0010		**< 0.0010**	0.0001	0	0	-100	100	08/23/2024
Chromium		0.0015		**< 0.0015**	0.0007	0	0	-100	100	08/23/2024
Cobalt	*	0.0010		**< 0.0010**	0.0001	0	0	-100	100	08/23/2024
Copper		0.0010		**< 0.0010**	0.0003	0	0	-100	100	08/23/2024
Iron		0.0250		**< 0.0250**	0.0115	0	0	-100	100	08/27/2024
Lead		0.0010		**< 0.0010**	0.0006	0	0	-100	100	08/23/2024
Lithium	*	0.0030		**< 0.0030**	0.0015	0	0	-100	100	08/23/2024
Manganese		0.0020		**< 0.0020**	0.0008	0	0	-100	100	08/23/2024
Molybdenum		0.0015		**< 0.0015**	0.0006	0	0	-100	100	08/23/2024
Nickel		0.0010		**< 0.0010**	0.0004	0	0	-100	100	08/23/2024
Selenium		0.0010		**< 0.0010**	0.0006	0	0	-100	100	08/23/2024
Silver		0.0010		**< 0.0010**	0.0001	0	0	-100	100	08/23/2024
Thallium		0.0020		**< 0.0020**	0.0010	0	0	-100	100	08/23/2024
Vanadium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	08/23/2024
Zinc		0.0150		**< 0.0150**	0.0059	0	0	-100	100	08/23/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24080169

Client Project: KIN-24Q3 **Report Date:** 12-Sep-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 227422 **SampType:** LCS Units **mg/L**

SampID: LCS-227422

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		**0.553**	0.5000	0	110.6	80	120	08/23/2024
Arsenic		0.0010		**0.552**	0.5000	0	110.5	80	120	08/23/2024
Barium		0.0010		**2.18**	2.000	0	109.2	80	120	08/23/2024
Beryllium		0.0010		**0.0484**	0.0500	0	96.8	80	120	08/23/2024
Boron		0.0250		**0.495**	0.5000	0	99.0	80	120	08/23/2024
Cadmium	*	0.0010		**0.0504**	0.0500	0	100.9	80	120	08/23/2024
Chromium		0.0015		**0.200**	0.2000	0	99.9	80	120	08/23/2024
Cobalt	*	0.0010		**0.503**	0.5000	0	100.6	80	120	08/23/2024
Copper		0.0010		**0.253**	0.2500	0	101.1	80	120	08/23/2024
Iron		0.0250		**2.06**	2.000	0	102.8	80	120	08/27/2024
Lead		0.0010		**0.530**	0.5000	0	105.9	80	120	08/23/2024
Lithium	*	0.0030		**0.492**	0.5000	0	98.4	80	120	08/23/2024
Manganese		0.0020		**0.518**	0.5000	0	103.6	80	120	08/23/2024
Molybdenum		0.0015		**0.503**	0.5000	0	100.6	80	120	08/23/2024
Nickel		0.0010		**0.510**	0.5000	0	101.9	80	120	08/23/2024
Selenium		0.0010		**0.514**	0.5000	0	102.8	80	120	08/23/2024
Silver		0.0010		**0.0567**	0.0500	0	113.4	80	120	08/23/2024
Thallium		0.0020		**0.242**	0.2500	0	97.0	80	120	08/23/2024
Vanadium		0.0050		**0.526**	0.5000	0	105.2	80	120	08/23/2024
Zinc		0.0150		**0.502**	0.5000	0	100.5	80	120	08/23/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24080169

Client Project: KIN-24Q3 **Report Date:** 12-Sep-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 227422 **SampType:** MS Units **mg/L**

SampID: 24080169-015BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		**0.534**	0.5000	0	106.8	75	125	08/23/2024
Arsenic		0.0010		**0.536**	0.5000	0.0005576	107.2	75	125	08/23/2024
Barium		0.0010		**2.18**	2.000	0.09753	104.3	75	125	08/23/2024
Beryllium		0.0010		**0.0481**	0.0500	0	96.1	75	125	08/23/2024
Boron		0.0250		**1.23**	0.5000	0.7389	97.3	75	125	08/23/2024
Cadmium	*	0.0010		**0.0482**	0.0500	0	96.4	75	125	08/23/2024
Chromium		0.0015		**0.208**	0.2000	0.001815	103.2	75	125	08/23/2024
Cobalt	*	0.0010		**0.498**	0.5000	0.0005249	99.4	75	125	08/23/2024
Lead		0.0010		**0.517**	0.5000	0	103.5	75	125	08/23/2024
Lithium	*	0.0030		**0.496**	0.5000	0.004032	98.4	75	125	08/23/2024
Molybdenum		0.0015		**0.502**	0.5000	0.003440	99.8	75	125	08/27/2024
Selenium		0.0010		**0.495**	0.5000	0	99.0	75	125	08/23/2024
Thallium		0.0020		**0.232**	0.2500	0	92.9	75	125	08/23/2024

Batch 227422 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 24080169-015BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		0.0010		**0.552**	0.5000	0	110.3	0.5339	3.25	08/23/2024
Arsenic		0.0010		**0.538**	0.5000	0.0005576	107.6	0.5365	0.35	08/23/2024
Barium		0.0010		**2.21**	2.000	0.09753	105.4	2.183	1.03	08/23/2024
Beryllium		0.0010		**0.0480**	0.0500	0	96.0	0.04806	0.09	08/23/2024
Boron		0.0250		**1.22**	0.5000	0.7389	97.0	1.226	0.12	08/23/2024
Cadmium	*	0.0010		**0.0491**	0.0500	0	98.2	0.04820	1.80	08/23/2024
Chromium		0.0015		**0.203**	0.2000	0.001815	100.5	0.2082	2.59	08/23/2024
Cobalt	*	0.0010		**0.461**	0.5000	0.0005249	92.1	0.4975	7.58	08/23/2024
Lead		0.0010		**0.508**	0.5000	0	101.7	0.5174	1.74	08/23/2024
Lithium	*	0.0030		**0.498**	0.5000	0.004032	98.9	0.4960	0.50	08/23/2024
Molybdenum		0.0015		**0.522**	0.5000	0.003440	103.7	0.5023	3.82	08/27/2024
Selenium		0.0010		**0.503**	0.5000	0	100.5	0.4950	1.54	08/23/2024
Thallium		0.0020		**0.226**	0.2500	0	90.4	0.2323	2.78	08/23/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24080169

Client Project: KIN-24Q3 **Report Date:** 12-Sep-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 227920 **SampType:** MBLK Units **mg/L**

SampID: MBLK-227920

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		**< 0.0010**	0.0004	0	0	-100	100	09/04/2024
Arsenic		0.0010		**< 0.0010**	0.0004	0	0	-100	100	09/04/2024
Barium		0.0010		**< 0.0010**	0.0007	0	0	-100	100	09/04/2024
Cadmium	*	0.0010		**< 0.0010**	0.0001	0	0	-100	100	09/04/2024
Chromium		0.0015		**< 0.0015**	0.0007	0	0	-100	100	09/04/2024
Cobalt	*	0.0010		**< 0.0010**	0.0001	0	0	-100	100	09/04/2024
Copper		0.0010		**< 0.0010**	0.0003	0	0	-100	100	09/05/2024
Iron		0.0250		**< 0.0250**	0.0115	0	0	-100	100	09/05/2024
Lead		0.0010		**< 0.0010**	0.0006	0	0	-100	100	09/05/2024
Lithium	*	0.0030		**< 0.0030**	0.0015	0	0	-100	100	09/04/2024
Nickel		0.0010		**< 0.0010**	0.0004	0	0	-100	100	09/04/2024
Vanadium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	09/04/2024
Zinc		0.0150		**< 0.0150**	0.0059	0	0	-100	100	09/04/2024

Batch 227920 **SampType:** LCS Units **mg/L**

SampID: LCS-227920

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		**0.511**	0.5000	0	102.1	80	120	09/04/2024
Arsenic		0.0010		**0.487**	0.5000	0	97.4	80	120	09/04/2024
Barium		0.0010		**1.91**	2.000	0	95.6	80	120	09/04/2024
Cadmium	*	0.0010		**0.0449**	0.0500	0	89.9	80	120	09/04/2024
Chromium		0.0015		**0.189**	0.2000	0	94.5	80	120	09/04/2024
Cobalt	*	0.0010		**0.444**	0.5000	0	88.8	80	120	09/04/2024
Copper		0.0010		**0.261**	0.2500	0	104.3	80	120	09/05/2024
Iron		0.0250		**2.03**	2.000	0	101.5	80	120	09/05/2024
Lead		0.0010		**0.524**	0.5000	0	104.8	80	120	09/05/2024
Lithium	*	0.0030		**0.450**	0.5000	0	90.1	80	120	09/04/2024
Nickel		0.0010		**0.452**	0.5000	0	90.4	80	120	09/04/2024
Vanadium		0.0050		**0.471**	0.5000	0	94.3	80	120	09/04/2024
Zinc		0.0150		**0.458**	0.5000	0	91.5	80	120	09/04/2024

SW-846 7470A (TOTAL)

Batch 227374 **SampType:** MBLK Units **mg/L**

SampID: MBLK-227374

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**< 0.00020**	0.0001	0	0	-100	100	08/20/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24080169

Client Project: KIN-24Q3 **Report Date:** 12-Sep-24

SW-846 7470A (TOTAL)

Batch 227374 **SampType:** LCS Units **mg/L**
SampID: LCS-227374

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00540**	0.0050	0	108.0	85	115	08/20/2024

Batch 227374 **SampType:** MS Units **mg/L**
SampID: 24080169-003BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00511**	0.0050	0	102.2	75	125	08/20/2024

Batch 227374 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24080169-003BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00507**	0.0050	0	101.5	0.005110	0.70	08/20/2024

Batch 227423 **SampType:** MBLK Units **mg/L**
SampID: MBLK-227423

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**< 0.00020**	0.0001	0	0	-100	100	08/22/2024

Batch 227423 **SampType:** LCS Units **mg/L**
SampID: LCS-227423

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00448**	0.0050	0	89.7	85	115	08/22/2024

Batch 227423 **SampType:** MS Units **mg/L**
SampID: 24080169-008BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00455**	0.0050	0	91.0	75	125	08/22/2024

Batch 227423 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24080169-008BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00449**	0.0050	0	89.7	0.004550	1.39	08/22/2024

Batch 227423 **SampType:** MS Units **mg/L**
SampID: 24081733-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00514**	0.0050	0	102.9	75	125	08/22/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24080169

Client Project: KIN-24Q3 **Report Date:** 12-Sep-24

SW-846 7470A (TOTAL)

Batch 227423 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24081733-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00506**	0.0050	0	101.3	0.005144	1.57	08/22/2024

Batch 227494 **SampType:** MBLK Units **mg/L**
SampID: MBLK-227494

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**< 0.00020**	0.0001	0	0	-100	100	08/22/2024

Batch 227494 **SampType:** LCS Units **mg/L**
SampID: LCS-227494

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00520**	0.0050	0	104.1	85	115	08/22/2024

Batch 227494 **SampType:** MS Units **mg/L**
SampID: 24080169-033BMS

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	08/22/2024

Batch 227494 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24080169-033BMSD

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	0.005271	2.51	08/22/2024

Batch 227494 **SampType:** MS Units **mg/L**
SampID: 24081798-001CMS

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	08/22/2024

Batch 227494 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24081798-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00435**	0.0050	0	87.1	0.004532	4.00	08/22/2024

Teklab, Inc. Environmental Laboratory

Receiving Check List

Client: Ramboll
Client Project: KIN-24Q3

Work Order: 24080169
Report Date: 12-Sep-24

Carrier: Justin Colp

Received By: AMD

Completed by: Amber Dilallo
On: 19-Aug-24

Reviewed by: Ellie Hopkins
On: 21-Aug-24

Pages to follow: Chain of custody 6 Extra pages included 0

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C	19.1	
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.

Samples were received on 8/19/24 at 1525 on ice [19.1C - LTG#5]. Additional Nitric Acid (99172) was needed in MW-05 upon arrival at the laboratory. Additional Sodium Hydroxide (95443) was needed in MW-05 and MW-09 upon arrival at the laboratory. pH strip #89660/96651. - LH/amberdilallo - 8/19/2024 3:39:15 PM

Samples were received on 8/20/24 at 1458 on ice [12.7C - LTG#5]. Additional Nitric Acid (99172) was needed in MW-20S, MW-30, MW-32, and MW-08 Duplicate upon arrival at the laboratory. Additional Sodium Hydroxide (95443) was needed in MW-07 upon arrival at the laboratory. pH strip #89660/96651. - amberdilallo - 8/20/2024 3:47:34 PM

Samples were received on 8/21/24 at 1440 on ice [12.7C - LTG#5]. Field Blank and Equipment Blank were filtered and preserved with Nitric Acid (99172) for the dissolved parameters upon arrival at the laboratory. Additional Nitric Acid (99172) was needed in MW-27, MW-31, MW-31S, and PZ-4A upon arrival at the laboratory. pH strip #96651. - NR/amberdilallo - 8/21/2024 3:26:23 PM

24080169

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-Kincaid	Report To:	Brian Voelker, Sam Davies	Attention:	Brian Voelker, Tim Arnold
Address:	199 IL 104	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Kincaid, IL 62540		Tim Arnold: Tim.Arnold@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:	Liz Hurley
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	KIN-257-141	KIN-620-141	KIN-845-141	KIN-NE-141	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-01	WT	G	8-19-24	1026		4	1		2		1					X	X	X	X		24080169-001
2	MW-02	WT	G	8-19-24	1029		4	1		2		1					X	X	X	X		24080169-002
3	MW-03	WT	G		1132		4	1		2		1					X	X	X	X		24080169-003
4	MW-04	WT	G		1221		3	1		1		1						X				24080169-004
5	MW-05	WT	G	↓	1326		4	1		2		1					X	X	X	X		24080169-005
6	MW-06	WT	G				4	1		2		1					X	X	X	X		24080169-006
7	MW-07	WT	G				4	1		2		1					X	X	X	X		24080169-007
8	MW-07S	WT	G				3	1		2							X		X	X		24080169-008
9	MW-08	WT	G				4	1		2		1					X	X	X	X		24080169-009
10	MW-08S	WT	G				3	1		2							X		X	X		24080169-010
11	MW-09	WT	G	8-19-24	1239		3	1		1		1						X				24080169-011
12	MW-10	WT	G	8-19-24	1143		3	1		1		1						X				24080169-012
13	MW-11	WT	G				4	1		2		1					X	X	X	X		24080169-013
14	MW-12	WT	G				4	1		2		1					X	X	X	X		24080169-014
15	MW-20	WT	G				3	1		2							X		X	X		24080169-015
16	MW-20S	WT	G				3	1		2							X		X	X		24080169-016

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)
KIN-24Q3 Rev 0	J. Cob	8-19	1525	Brian Duall	8/19/24	1525	19.1	X		

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Cob

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 8-19-24

added HNO3(99172) to MW5

added NaOH(95431) to MW5 MW9

PH 9665/8960 LTG5

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 1 of 3

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Kincaid	Report To:	Brian Voelker, Sam Davies	Attention:	Brian Voelker, Tim Arnold
Address:	199 IL 104	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Kincaid, IL 62540		Tim Arnold: Tim.Arnold@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:	Liz Hurley
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	KIN-257-141	KIN-620-141	KIN-845-141	KIN-NE-141	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-01	WT	G				4	1		2		1					X	X	X	X		24080169-001
2	MW-02	WT	G				4	1		2		1					X	X	X	X		24080169-002
3	MW-03	WT	G				4	1		2		1					X	X	X	X		24080169-003
4	MW-04	WT	G				3	1		1		1						X				24080169-004
5	MW-05	WT	G				4	1		2		1					X	X	X	X		24080169-005
6	MW-06	WT	G	8-20-24	1117		4	1		2		1					X	X	X	X		24080169-006
7	MW-07	WT	G	8-20-24	948		4	1		2		1					X	X	X	X		24080169-007
8	MW-07S	WT	G	8-20-24	1011		3	1		2							X		X	X		24080169-008
9	MW-08	WT	G	8/20/24	1019		4	1		2		1					X	X	X	X		24080169-009
10	MW-08S	WT	G	8/20/24	054		3	1		2							X		X	X		24080169-010
11	MW-09	WT	G				3	1		1		1						X				24080169-011
12	MW-10	WT	G				3	1		1		1						X				24080169-012
13	MW-11	WT	G	8-20-24	1057		4	1		2		1					X	X	X	X		24080169-013
14	MW-12	WT	G	8-20-24	1256		4	1		2		1					X	X	X	X		24080169-014
15	MW-20	WT	G				3	1		2							X		X	X		24080169-015
16	MW-20S	WT	G	8-20-24	1147		3	1		2							X		X	X		24080169-016

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
KIN-24Q3 Rev 0		8-20-24	1458		8/20/24	1458

SAMPLE CONDITIONS

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
2.7 #5	Y	N	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Cobb

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 8-20-24

Added NaOH(95443) to MW-07.
Added HNO3(99172) to MW-20S, MW-30, MW-32 & MW-8 Dup.
pH ✓ 8/20/24

24080169 141

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 2 of 3

Section A Required Client Information:

Company:	Vistra Corp-Kincaid
Address:	199 IL 104
	Kincaid, IL 62540
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, Sam Davies
Copy To:	Sam Davies: samantha.davies@vistracorp.com
	Tim Arnold: Tim.Arnold@vistracorp.com
Purchase Order No.:	
Project Name:	
Project Number:	

Section C Invoice Information:

Attention:	Brian Voelker, Tim Arnold
Company Name:	Vistra Corp
Address:	see Section A
Quote Reference:	
Project Manager:	Liz Hurley
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	KIN-257-141	KIN-620-141	KIN-845-141	KIN-NE-141	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-23	WT	G				3	1		2							X		X	X		24080169-017
2	MW-27	WT	G				3	1		2							X		X	X		24080169-018
3	MW-28	WT	G	8-20-24	1702		3	1		2							X		X	X		24080169-019
4	MW-30	WT	G	8-20-24	1009		3	1		2							X		X	X		24080169-020
5	MW-31	WT	G				3	1		2							X		X	X		24080169-021
6	MW-31S	WT	G				3	1		2							X		X	X		24080169-022
7	MW-32	WT	G	8-20-24	1248		3	1		2							X		X	X		24080169-023
8	MW-33S	WT	G				3	1		2										X		24080169-024
9	MW-34S	WT	G	8/20/24	1156		3	1		2										X		24080169-025
10	MW-35S	WT	G				3	1		2										X		24080169-026
11	PZ-4A	WT	G				3	1		2										X		24080169-027
12	PZ-4C	WT	G				3	1		2							X		X	X		24080169-028
13	SG-02	WT	G				0										X		X			24080169-029
14	XSG-01	WT	G				0										X		X			24080169-030
15	Field Blank	WT	G				4	1		2		1					X	X	X	X		24080169-031
16	MW-08 Duplicate	WT	G	8/20/24	1019		4	2		1		1					X	X	X	X		24080169-032

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
KIN-24Q3 Rev 0		8/20/24	1458		8/20/24	1458	

SAMPLE CONDITIONS: Y / N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Cole

SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY): 8-20-24

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

CHAIN-OF-CUSTODY / Analytical Request Document

24080169

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Page: 1 of 3

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Kincaid	Report To:	Brian Voelker, Sam Davies	Attention:	Brian Voelker, Tim Arnold
Address:	199 IL 104	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Kincaid, IL 62540		Tim Arnold: Tim.Arnold@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:	Liz Hurley
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: 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	KIN-257-141	KIN-620-141	KIN-845-141	KIN-NE-141	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-01	WT	G				4	1		2		1					X	X	X	X		24080169-001
2	MW-02	WT	G				4	1		2		1					X	X	X	X		24080169-002
3	MW-03	WT	G				4	1		2		1					X	X	X	X		24080169-003
4	MW-04	WT	G				3	1		1		1						X				24080169-004
5	MW-05	WT	G				4	1		2		1					X	X	X	X		24080169-005
6	MW-06	WT	G				4	1		2		1					X	X	X	X		24080169-006
7	MW-07	WT	G				4	1		2		1					X	X	X	X		24080169-007
8	MW-07S	WT	G				3	1		2							X		X	X		24080169-008
9	MW-08	WT	G				4	1		2		1					X	X	X	X		24080169-009
10	MW-08S	WT	G				3	1		2							X		X	X		24080169-010
11	MW-09	WT	G				3	1		1		1						X				24080169-011
12	MW-10	WT	G				3	1		1		1						X				24080169-012
13	MW-11	WT	G				4	1		2		1					X	X	X	X		24080169-013
14	MW-12	WT	G				4	1		2		1					X	X	X	X		24080169-014
15	MW-20	WT	G	8-21-24	1118		3	1		2							X		X	X		24080169-015
16	MW-20S	WT	G				3	1		2							X		X	X		24080169-016

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
KIN-24Q3 Rev 0	[signature]	8-21	1440	[signature]	8/21/24	1440

SAMPLE CONDITIONS

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
12.7 #5	Y	N	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Payton Tock

SIGNATURE of SAMPLER: [signature]

DATE Signed (MM/DD/YY): 08/21/24 TE 08/22/24 DAM

PHV 9665 added HNO_3 (9~~7~~57) to MW-27, MW-31, MW-315 + PZ-4A

TE 8/21/24

CHAIN-OF-CUSTODY / Analytical Request Document

24080169 -141

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-Kincaid	Report To:	Brian Voelker, Sam Davies	Attention:	Brian Voelker, Tim Arnold
Address:	199 IL 104	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Kincaid, IL 62540		Tim Arnold: Tim.Arnold@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:	Liz Hurley
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	KIN-257-141	KIN-620-141	KIN-845-141	KIN-NE-141	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-23	WT	G	8-21-24	1019		3	1		2							X		X	X		24080169-017
2	MW-27	WT	G	8/21/24	1075		3	1		2							X		X	X		24080169-018
3	MW-28	WT	G				3	1		2							X		X	X		24080169-019
4	MW-30	WT	G				3	1		2							X		X	X		24080169-020
5	MW-31	WT	G	8-21-24	1217		3	1		2							X		X	X		24080169-021
6	MW-31S	WT	G	8-21-24	1101		3	1		2							X		X	X		24080169-022
7	MW-32	WT	G				3	1		2							X		X	X		24080169-023
8	MW-33S	WT	G	8.21.24	1126		3	1		2										X		24080169-024
9	MW-34S	WT	G				3	1		2										X		24080169-025
10	MW-35S	WT	G	8.21.24	1230		3	1		2										X		24080169-026
11	PZ-4A	WT	G	8.21.24	1123		3	1		2										X		24080169-027
12	PZ-4C	WT	G	8-21-24	1053		3	1		2							X		X	X		24080169-028
13	SG-02	WT	G				0										X		X			24080169-029
14	XSG-01	WT	G				0										X		X			24080169-030
15	Field Blank	WT	G	8-21-24	1240		4	1		2		1					X	X	X	X		24080169-031
16	MW-08 Duplicate	WT	G				4	2		1		1					X	X	X	X		24080169-032

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
KIN-24Q3 Rev 0		8-21	1440		8/21/24	1440	

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:	Daxton Tack	DATE Signed (MM/DD/YY): 08/21/24				
SIGNATURE of SAMPLER:		08/22/24 TE Pat				

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-Kincaid
Address:	199 IL 104
	Kincaid, IL 62540
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, Sam Davies
Copy To:	Sam Davies: samantha.davies@vistracorp.com
	Tim Arnold: Tim.Arnold@vistracorp.com
Purchase Order No.:	
Project Name:	
Project Number:	

Section C Invoice Information:

Attention:	Brian Voelker, Tim Arnold
Company Name:	Vistra Corp
Address:	see Section A
Quote Reference:	
Project Manager:	Liz Hurley
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)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED 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	KIN-257-141	KIN-620-141	KIN-845-141	KIN-NE-141	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	Equipment Blank	WT	G	8-21-24	1245		4	2		1		1					X	X	X	X		24080169-033
2																						
3																						
4																						
5																						
6																						
7																						
8																						
9																						
10																						
11																						
12																						
13																						
14																						
15																						
16																						

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
KIN-24Q3 Rev 0	[signature]	8-21	1449	[signature]	8/22/24	1440

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: Patton Tock

SIGNATURE of SAMPLER: [signature]

DATE Signed (MM/DD/YY): 08/21/24 ~~08/22/24~~ TT

Site Samping Event: KIN-24Q3
LIMS Workorder: 24080169
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Summary
Kincaid- 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-01	Groundwater Sample	73.0	None	S	Clear	Good	Good	Good	Yes	Yes
002	MW-02	Groundwater Sample	72.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
003	MW-03	Groundwater Sample	75.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
004	MW-04	Groundwater Sample	77.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
005	MW-05	Groundwater Sample	78.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
006	MW-06	Groundwater Sample	70.0	None	S	Clear	Good	Good	Good	Yes	Yes
007	MW-07	Groundwater Sample	68.0	None	SW	Clear	Good	Good	Good	Yes	Yes
008	MW-07S	Groundwater Sample	69.0	None	SW	Clear	Good	Good	Good	Yes	Yes
009	MW-08	Groundwater Sample	70.0	None	W	Clear	Good	Good	Good	Yes	Yes
010	MW-08S	Groundwater Sample	72.0	None	W	Clear	Good	Good	Good	Yes	Yes
011	MW-09	Groundwater Sample	78.0	None	S	Clear	Good	Good	Good	Yes	Yes
012	MW-10	Groundwater Sample	75.0	None	S	Clear	Good	Good	Good	Yes	Yes
013	MW-11	Groundwater Sample	70.0	None	SW	Clear	Good	Good	Good	Yes	Yes
014	MW-12	Groundwater Sample	74.0	None	S	Clear	Good	Good	Good	Yes	Yes
015	MW-20	Groundwater Sample	67.0	None	W	Cloudy	Good	Good	Good	Yes	Yes
016	MW-20S	Groundwater Sample	73.0	None	SW	Clear	Good	Good	Good	Yes	Yes
017	MW-23	Groundwater Sample	62.0	None	W	Cloudy	Good	Good	Good	Yes	Yes
018	MW-27	Groundwater Sample	73.0	None	W	Clear	Good	Good	Good	Yes	Yes
019	MW-28	Groundwater Sample	73.0	None	S	Clear	Good	Good	Good	Yes	Yes
020	MW-30	Groundwater Sample	67.0	None	S	Clear	Good	Good	Good	Yes	Yes
021	MW-31	Groundwater Sample	70.0	None	W	Cloudy	Good	Good	Good	Yes	Yes
022	MW-31S	Groundwater Sample	63.0	None	W	Partly cloudy	Good	Good	Good	Yes	Yes
023	MW-32	Groundwater Sample	74.0	None	SW	Clear	Good	Good	Good	Yes	Yes
024	MW-33S	Groundwater Sample	65.0	None	W	Partly cloudy	Good	Good	Good	Yes	Yes
025	MW-34S	Groundwater Sample	74.0	None	W	Clear	Good	Good	Good	Yes	Yes
026	MW-35S	Groundwater Sample	70.0	None	W	Partly cloudy	Good	Good	Good	Yes	Yes
027	PZ-4A	Groundwater Sample	69.0	None	W	Partly cloudy	Good	Good	Good	Yes	Yes
028	PZ-4C	Groundwater Sample	67.0	None	W	Partly cloudy	Good	Good	Good	Yes	Yes
029	SG-02	DTW Only	72.0	None	S	Partly cloudy					
030	XSG-01	DTW Only	72.0	None	S	Partly cloudy					
031	Field Blank	QA/QC Sample	70.0	None	W	Cloudy					
032	MW-08 Duplicate	QA/QC Sample	70.0	None	W	Clear	Good	Good	Good	Yes	Yes
033	Equipment Blank	QA/QC Sample	70.0	None	W	Cloudy					

Site Samping Event: KIN-24Q3
LIMS Workorder: 24080169
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Summary
Kincaid- 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)**	**Purge Rate (mL/min)**
001	MW-01	BG	8/19/24 9:59	16.24	27.10	BG	8/19/2024	09:59	10:26	Peristaltic Pump	2"	166.7
002	MW-02	JC	8/19/24 9:51	17.49	22.20	JC	8/19/2024	09:55	10:29	Bladder Pump	2"	117.6
003	MW-03	JC	8/19/24 10:52	8.70	26.20	JC	8/19/2024	10:53	11:32	Bladder Pump	2"	141.0
004	MW-04	JC	8/19/24 11:47	9.97	24.40	JC	8/19/2024	11:48	12:21	Bladder Pump	2"	181.8
005	MW-05	JC	8/19/24 12:46	28.00	41.70	JC	8/19/2024	12:47	13:26	Bladder Pump	2"	153.8
006	MW-06	JC	8/20/24 10:38	11.57	22.00	JC	8/20/2024	10:39	11:14	Bladder Pump	2"	185.7
007	MW-07	BG	8/20/24 9:31	10.24	21.80	BG	8/20/2024	09:30	09:48	Bladder Pump	2"	250.0
008	MW-07S	BG	8/20/24 9:53	10.64	13.49	BG	8/20/2024	09:53	10:11	Peristaltic Pump	2"	138.9
009	MW-08	TAC	8/20/24 9:52	9.33	24.00	PY	8/20/2024	09:55	10:19	Bladder Pump	2"	375.0
010	MW-08S	TAC	8/20/24 10:29	9.53	10.02	PY	8/20/2024	10:42	10:44	Peristaltic Pump	2"	
011	MW-09	BG	8/19/24 11:58	14.91	21.80	BG	8/19/2024	11:58	12:37	Peristaltic Pump	2"	243.6
012	MW-10	BG	8/19/24 10:46	12.77	21.90	BG	8/19/2024	10:46	11:43	Peristaltic Pump	2"	157.9
013	MW-11	BG	8/20/24 10:41	11.97	23.50	BG	8/20/2024	10:41	10:57	Bladder Pump	2"	156.3
014	MW-12	JC	8/20/24 12:22	7.21	27.60	JC	8/20/2024	12:24	12:56	Bladder Pump	2"	187.5
015	MW-20	JC	8/21/24 10:42	9.80	26.25	JC	8/21/2024	10:42	11:18	Bladder Pump	2"	166.7
016	MW-20S	BG	8/20/24 11:25	9.76	12.21	BG	8/20/2024	11:25	11:47	Peristaltic Pump	2"	136.4
017	MW-23	JC	8/21/24 9:35	16.59	30.27	JC	8/21/2024	09:37	10:19	Bladder Pump	2"	142.9
018	MW-27	TAC	8/20/24 10:53	16.34	17.70	PY	8/20/2024	10:57	11:07	Peristaltic Pump	2"	75.0
019	MW-28	JC	8/20/24 11:28	7.93	25.07	JC	8/20/2024	11:28	12:02	Bladder Pump	2"	147.1
020	MW-30	JC	8/20/24 9:30	25.29	42.47	JC	8/20/2024	09:31	10:09	Bladder Pump	2"	144.7
021	MW-31	JC	8/21/24 11:38	32.18	42.32	JC	8/21/2024	11:38	12:17	Bladder Pump	2"	128.2
022	MW-31S	BG	8/21/24 9:30	21.90	32.41	BG	8/21/2024	09:30	10:01	Peristaltic Pump	2"	112.9
023	MW-32	BG	8/20/24 12:21	25.16	39.29	BG	8/20/2024	12:21	12:48	Bladder Pump	2"	92.6
024	MW-33S	TAC	8/21/24 10:59	10.99	17.84	TAC	8/21/2024	11:00	11:26	Peristaltic Pump	2"	192.3
025	MW-34S	TAC	8/20/24 11:30	10.54	18.76	PY	8/20/2024	11:32	11:56	Peristaltic Pump	2"	187.5
026	MW-35S	TAC	8/21/24 11:59	9.77	18.44	TAC	8/21/2024	12:00	12:30	Peristaltic Pump	2"	200.0
027	PZ-4A	BG	8/21/24 11:00	9.03	12.94	BG	8/21/2024	11:00	11:23	Peristaltic Pump	2"	87.0
028	PZ-4C	BG	8/21/24 10:23	9.09	23.18	BG	8/21/2024	10:23	10:54	Peristaltic Pump	2"	129.0
029	SG-02	PY	8/19/24 12:17	19.73	-							
030	XSG-01	PY	8/19/24 10:10	5.12	-							
031	Field Blank				-					Direct Grab		
032	MW-08 Duplicate	TAC	8/20/24 9:52	9.33	24.00	PY	8/20/2024	09:55	10:19	Bladder Pump	2"	375.0
033	Equipment Blank				-					Direct Grab		

Site Samping Event: KIN-24Q3
LIMS Workorder: 24080169
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Summary
Kincaid- 3Q 2024

WO Sample	Well ID	Sampling Activities and Observations										
		Sampler Initials	Date	Time	Sampling Method	Instrument ID	Field Filtered	Appearance	Odor	Color	Post-Sample DTW (ft)	Drawdown (ft)
001	MW-01	BG	08/19/24	10:26	Low Flow	45985	Yes	Clear	None	Clear	16.97	**0.73**
002	MW-02	JC	08/19/24	10:29	Low Flow	218074	Yes	Cloudy	None	none	17.67	0.18
003	MW-03	JC	08/19/24	11:32	Low Flow	218074	Yes	Clear	None	none	8.95	0.25
004	MW-04	JC	08/19/24	12:21	Low Flow	218074	No	Clear	None	none	10.32	0.35
005	MW-05	JC	08/19/24	13:26	Low Flow	218074	Yes	Clear	None	none	30.28	**2.28**
006	MW-06	JC	08/20/24	11:14	Low Flow	218074	Yes	Clear	None	none	13.09	**1.52**
007	MW-07	BG	08/20/24	09:48	Low Flow	45985	Yes	Clear	Moderate	Clear	10.76	**0.52**
008	MW-07S	BG	08/20/24	10:11	Low Flow	45985	Yes	Clear	None	Clear	10.74	0.10
009	MW-08	PY	08/20/24	10:19	Low Flow	223344	Yes	Clear	None	None	9.93	**0.60**
010	MW-08S											
011	MW-09	BG	08/19/24	12:37	Low Flow	45985	No	Clear	None	Clear	15.84	**0.93**
012	MW-10	BG	08/19/24	11:43	Low Flow	45985	No	Clear	None	Clear	13.15	0.38
013	MW-11	BG	08/20/24	10:57	Low Flow	45985	Yes	Clear	None	Clear	13.06	**1.09**
014	MW-12	JC	08/20/24	12:56	Low Flow	218074	Yes	Clear	None	none	7.29	0.08
015	MW-20	JC	08/21/24	11:18	Low Flow	218074	Yes	Clear	None	none	15.58	**5.78**
016	MW-20S	BG	08/20/24	11:47	Low Flow	45985	Yes	Clear	None	Clear	9.98	0.22
017	MW-23	JC	08/21/24	10:19	Low Flow	218074	Yes	Clear	None	none	18.79	**2.20**
018	MW-27	TAC	08/21/24	10:25	Low Flow	223344	Yes	Clear	None	None	17.43	**1.09**
019	MW-28	JC	08/20/24	12:02	Low Flow	218074	Yes	Clear	None	none	8.39	0.46
020	MW-30	JC	08/20/24	10:09	Low Flow	218074	Yes	Clear	None	none	31.10	**5.81**
021	MW-31	JC	08/21/24	12:17	Low Flow	218074	Yes	Clear	None	none	33.41	**1.23**
022	MW-31S	BG	08/21/24	10:01	Low Flow	45985	Yes	Slightly cloudy	None	Clear	22.75	**0.85**
023	MW-32	BG	08/20/24	12:48	Low Flow	45985	Yes	Clear	None	Clear	25.62	0.46
024	MW-33S	TAC	08/21/24	11:26	Low Flow	223344	Yes	Clear	None	None	12.71	**1.72**
025	MW-34S	PY	08/20/24	11:56	Low Flow	223344	Yes	Clear	None	None	12.48	**1.94**
026	MW-35S	TAC	08/20/24	12:30	Low Flow	223344	Yes	Clear	None	None	12.35	**2.58**
027	PZ-4A	BG	08/21/24	11:23	Low Flow	45985	Yes	Clear	None	Clear	9.78	**0.75**
028	PZ-4C	BG	08/21/24	10:54	Low Flow	45985	Yes	Clear	Slight	Clear	9.63	**0.54**
029	SG-02											
030	XSG-01											
031	Field Blank	JC	08/21/24	12:40	Direct Sample		No	Clear	None	None	-	-
032	MW-08 Duplicate	PY	08/20/24	10:19	Low Flow	223344	Yes	Clear	None	None	9.93	**0.60**
033	Equipment Blank	JC	08/21/24	12:45	Direct Sample		No	Clear	None	None	-	-

Site Samping Event: KIN-24Q3
LIMS Workorder: 24080169
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Summary
Kincaid- 3Q 2024

WO Sample	Well ID	COMMENTS
001	MW-01	
002	MW-02	
003	MW-03	
004	MW-04	
005	MW-05	
006	MW-06	
007	MW-07	
008	MW-07S	
009	MW-08	
010	MW-08S	Well Went dry during pumping. No recharge, no sample.
011	MW-09	
012	MW-10	
013	MW-11	
014	MW-12	
015	MW-20	
016	MW-20S	
017	MW-23	
018	MW-27	Well went dry during purge (8/20), sample collected 8/21.
019	MW-28	
020	MW-30	
021	MW-31	
022	MW-31S	
023	MW-32	
024	MW-33S	
025	MW-34S	
026	MW-35S	
027	PZ-4A	
028	PZ-4C	
029	SG-02	
030	XSG-01	
031	Field Blank	
032	MW-08 Duplicate	
033	Equipment Blank	Equipment blank collected from water meter (measurement tape).

Site Samping Event: KIN-24Q3
LIMS Workorder: 24080169
Technician(s): DC, JC, TC, BG, PY

Stabilized Field Parameters Summary
Kincaid- 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-01	8/19/2024	10:26	18.8	65.9	6.13	558.2	2.60	8.07	143.7	16.24	24080169-001A
MW-02	8/19/2024	10:29	21.1	70.0	7.06	750.4	4.10	196.64	84.4	17.49	24080169-002A
MW-03	8/19/2024	11:32	18.2	64.7	6.69	892.0	3.57	1.44	88.7	8.70	24080169-003A
MW-04	8/19/2024	12:21	17.6	63.7	6.71	789.7	3.41	15.82	-115.0	9.97	24080169-004A
MW-05	8/19/2024	13:26	17.5	63.6	6.55	1,234.9	3.36	17.82	1.7	28.00	24080169-005A
MW-06	8/20/2024	11:14	16.9	62.3	6.45	745.5	4.96	3.69	87.9	11.57	24080169-006A
MW-07	8/20/2024	9:48	17.4	63.4	6.83	1,230.3	0.72	6.96	-139.6	10.24	24080169-007A
MW-07S	8/20/2024	10:11	19.3	66.8	6.66	1,604.5	3.00	10.15	-65.8	10.64	24080169-008A
MW-08	8/20/2024	10:19	15.7	60.2	6.41	763.4	0.51	1.22	118.7	9.33	24080169-009A
MW-8S	8/20/2024	Well went dry during purge (8/20), no recharge (8/21), no sample								9.53	24080169-010A
MW-09	8/19/2024	12:37	17.5	63.5	6.55	689.4	3.96	41.43	115.2	14.91	24080169-011A
MW-10	8/19/2024	11:43	19.5	67.0	6.39	1,788.9	2.91	6.33	88.1	12.77	24080169-012A
MW-11	8/20/2024	10:57	17.9	64.2	6.67	1,033.6	0.77	2.38	35.7	11.97	24080169-013A
MW-12	8/20/2024	12:56	18.4	65.2	6.74	1,422.6	3.52	16.21	-67.1	7.21	24080169-014A
MW-20	8/21/2024	11:18	16.9	62.4	6.90	979.5	4.03	14.99	-40.9	9.80	24080169-015A
MW-20S	8/20/2024	11:47	19.0	66.2	6.60	1,425.4	1.60	8.78	30.5	9.76	24080169-016A
MW-23	8/21/2024	10:19	16.1	61.1	6.80	954.2	4.31	0.40	-149.8	16.59	24080169-017A
MW-27	8/21/2024	10:25	18.4	65.0	6.54	993.1	4.69	42.95	-6.1	16.34	24080169-018A
MW-28	8/20/2024	12:02	17.5	63.5	6.73	2,294.1	3.84	0.95	76.6	7.93	24080169-019A
MW-30	8/20/2024	10:09	16.3	61.4	6.61	1,032.0	4.30	0.86	-100.6	25.29	24080169-020A
MW-31	8/21/2024	12:17	16.7	62.1	6.69	1,041.6	3.56	0.29	-89.9	32.18	24080169-021A
MW-31S	8/21/2024	10:01	21.2	70.2	6.71	1,310.9	5.58	19.35	-67.8	21.90	24080169-022A
MW-32	8/20/2024	12:48	16.2	61.2	6.41	1,405.2	1.10	2.31	16.2	25.16	24080169-023A
MW-33S	8/21/2024	11:26	18.5	65.3	6.60	765.1	2.81	4.04	134.0	10.99	24080169-024A
MW-34S	8/20/2024	11:56	18.7	65.6	6.60	826.8	4.00	6.57	78.8	10.54	24080169-025A
MW-35S	8/21/2024	12:30	18.6	65.5	6.67	775.3	4.39	31.39	129.9	9.77	24080169-026A
PZ-4A	8/21/2024	11:23	20.3	68.6	6.57	1,133.7	4.32	4.13	26.7	9.03	24080169-027A
PZ-4C	8/21/2024	10:54	17.6	63.7	6.83	950.2	1.94	96.37	-68.0	9.09	24080169-028A
SG-02	8/19/2024	12:17	DTW Only							19.73	24080169-029A
XSG-01	8/19/2024	10:10	DTW Only							5.12	24080169-030A
Field Blank	8/21/2024	12:40	QA/QC Sample							-	24080169-031A
MW-08 Duplicate	8/20/2024	10:19	15.7	60.2	6.41	763.4	0.51	1.22	118.7	9.33	24080169-032A
Equipment Blank	8/21/2024	12:45	QA/QC Sample							-	24080169-033A

Site Samping Event: KIN-24Q3
LIMS Workorder: 24080169
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Form- Quality Parameters
Kincaid- 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-01	8/19/2024	10:11	16.24	18.8	65.8	6.11	558.3	3.22	23.82	144.8
MW-01	8/19/2024	10:14	16.24	19.0	66.2	6.12	560.0	3.03	32.03	144.9
MW-01	8/19/2024	10:17	16.24	18.9	66.0	6.12	559.2	2.92	25.22	145.0
MW-01	8/19/2024	10:20	16.24	18.9	66.0	6.12	560.9	2.87	26.20	145.5
MW-01	8/19/2024	10:23	16.24	19.0	66.2	6.13	559.0	2.76	10.54	144.5
MW-01	8/19/2024	10:26	16.24	18.8	65.9	6.13	558.2	2.60	8.07	143.7

Site Samping Event: KIN-24Q3
LIMS Workorder: 24080169
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Form- Quality Parameters
Kincaid- 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-02	8/19/2024	10:14	17.49	20.5	68.8	7.04	753.9	5.00	147.10	109.0
MW-02	8/19/2024	10:17	17.49	20.5	68.9	7.05	753.7	4.75	155.12	104.1
MW-02	8/19/2024	10:20	17.49	20.4	68.6	7.06	751.7	4.55	159.31	98.6
MW-02	8/19/2024	10:23	17.49	20.5	68.9	7.06	749.0	4.38	168.94	93.3
MW-02	8/19/2024	10:26	17.49	20.8	69.4	7.06	749.3	4.23	201.95	89.2
MW-02	8/19/2024	10:29	17.49	21.1	70.0	7.06	750.4	4.10	196.64	84.4

Site Samping Event: KIN-24Q3
LIMS Workorder: 24080169
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Form- Quality Parameters
Kincaid- 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-03	8/19/2024	11:02	8.70	18.1	64.6	6.68	893.2	5.74	4.40	75.8
MW-03	8/19/2024	11:05	8.70	18.2	64.8	6.69	894.1	5.27	4.25	79.2
MW-03	8/19/2024	11:08	8.70	18.1	64.6	6.69	893.4	4.94	3.94	81.6
MW-03	8/19/2024	11:11	8.70	18.2	64.7	6.69	892.9	4.66	4.19	83.5
MW-03	8/19/2024	11:14	8.70	18.1	64.6	6.69	893.0	4.41	4.11	85.3
MW-03	8/19/2024	11:17	8.70	18.2	64.7	6.68	892.4	4.23	4.06	86.2
MW-03	8/19/2024	11:20	8.70	18.3	64.9	6.68	893.1	4.05	3.10	86.9
MW-03	8/19/2024	11:23	8.70	17.9	64.3	6.69	891.8	3.91	2.37	87.9
MW-03	8/19/2024	11:26	8.70	18.1	64.5	6.68	890.9	3.79	1.99	88.3
MW-03	8/19/2024	11:29	8.70	18.3	64.9	6.68	892.1	3.67	1.95	88.1
MW-03	8/19/2024	11:32	8.70	18.2	64.7	6.69	892.0	3.57	1.44	88.7

Site Samping Event: KIN-24Q3
LIMS Workorder: 24080169
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Form- Quality Parameters
Kincaid- 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-04	8/19/2024	11:57	9.97	17.9	64.2	6.77	798.6	5.27	4.32	-96.7
MW-04	8/19/2024	12:00	9.97	17.6	63.7	6.76	797.1	4.84	6.38	-99.9
MW-04	8/19/2024	12:03	9.97	17.5	63.6	6.74	794.9	4.48	11.13	-101.3
MW-04	8/19/2024	12:06	9.97	17.0	62.7	6.73	792.4	4.23	24.51	-102.6
MW-04	8/19/2024	12:09	9.97	17.3	63.1	6.71	789.5	4.02	27.36	-104.5
MW-04	8/19/2024	12:12	9.97	17.7	63.9	6.71	790.4	3.83	32.84	-107.0
MW-04	8/19/2024	12:15	9.97	17.7	63.9	6.71	790.2	3.67	32.99	-109.0
MW-04	8/19/2024	12:18	9.97	17.8	64.0	6.71	789.7	3.53	13.30	-112.4
MW-04	8/19/2024	12:21	9.97	17.6	63.7	6.71	789.7	3.41	15.82	-115.0

Site Samping Event: KIN-24Q3
LIMS Workorder: 24080169
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Form- Quality Parameters
Kincaid- 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-05	8/19/2024	12:59	28.00	17.5	63.4	6.56	1,218.0	5.18	32.04	-7.3
MW-05	8/19/2024	13:02	28.00	17.6	63.7	6.56	1,221.6	4.80	30.90	-4.7
MW-05	8/19/2024	13:05	28.00	17.2	62.9	6.56	1,221.5	4.52	26.31	-3.2
MW-05	8/19/2024	13:08	28.00	17.6	63.7	6.56	1,222.7	4.25	26.65	-2.2
MW-05	8/19/2024	13:11	28.00	17.7	63.9	6.56	1,228.4	4.03	24.34	-1.7
MW-05	8/19/2024	13:14	28.00	17.4	63.4	6.56	1,230.6	3.86	22.23	-0.4
MW-05	8/19/2024	13:17	28.00	17.4	63.3	6.56	1,231.2	3.70	20.45	0.5
MW-05	8/19/2024	13:20	28.00	17.1	62.8	6.56	1,234.7	3.59	17.45	0.8
MW-05	8/19/2024	13:23	28.00	17.2	63.0	6.55	1,232.1	3.48	17.29	1.9
MW-05	8/19/2024	13:26	28.00	17.5	63.6	6.55	1,234.9	3.36	17.82	1.7

Site Samping Event: KIN-24Q3
LIMS Workorder: 24080169
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Form- Quality Parameters
Kincaid- 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-06	8/20/2024	10:47	11.57	16.9	62.4	6.44	757.8	6.65	14.38	73.9
MW-06	8/20/2024	10:50	11.57	16.9	62.5	6.43	756.9	6.28	14.18	77.7
MW-06	8/20/2024	10:53	11.57	16.9	62.4	6.43	755.7	6.01	11.00	81.2
MW-06	8/20/2024	10:56	11.57	16.9	62.4	6.43	754.5	5.81	9.29	82.9
MW-06	8/20/2024	10:59	11.57	16.8	62.3	6.43	752.9	5.63	6.61	84.8
MW-06	8/20/2024	11:02	11.57	16.9	62.4	6.44	748.7	5.47	5.40	86.1
MW-06	8/20/2024	11:05	11.57	16.8	62.2	6.44	745.7	5.32	5.67	87.2
MW-06	8/20/2024	11:08	11.57	16.9	62.4	6.45	744.1	5.18	4.44	87.1
MW-06	8/20/2024	11:11	11.57	16.8	62.3	6.45	744.7	5.06	4.21	88.0
MW-06	8/20/2024	11:14	11.57	16.9	62.3	6.45	745.5	4.96	3.69	87.9

Site Samping Event: KIN-24Q3
LIMS Workorder: 24080169
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Form- Quality Parameters
Kincaid- 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-07	8/20/2024	9:39	10.24	17.9	64.2	6.82	1,259.8	0.89	5.76	-142.8
MW-07	8/20/2024	9:42	10.24	18.8	65.9	6.81	1,250.3	0.81	4.88	-143.2
MW-07	8/20/2024	9:45	10.24	18.7	65.7	6.82	1,243.4	0.77	5.47	-141.9
MW-07	8/20/2024	9:48	10.24	17.4	63.4	6.83	1,230.3	0.72	6.96	-139.6

Site Samping Event: KIN-24Q3
LIMS Workorder: 24080169
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Form- Quality Parameters
Kincaid- 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-07S	8/20/2024	10:02	10.64	19.0	66.2	6.66	1,604.3	3.18	19.90	-75.9
MW-07S	8/20/2024	10:05	10.64	19.1	66.3	6.66	1,605.5	3.18	10.08	-70.8
MW-07S	8/20/2024	10:08	10.64	19.1	66.4	6.66	1,606.4	3.08	9.43	-67.8
MW-07S	8/20/2024	10:11	10.64	19.3	66.8	6.66	1,604.5	3.00	10.15	-65.8

Site Samping Event: KIN-24Q3
LIMS Workorder: 24080169
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Form- Quality Parameters
Kincaid- 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-08	8/20/2024	10:10	9.33	15.8	60.4	6.38	762.8	0.74	3.16	107.5
MW-08	8/20/2024	10:13	9.33	15.8	60.4	6.39	762.8	0.60	1.88	116.1
MW-08	8/20/2024	10:16	9.33	15.7	60.3	6.40	763.0	0.56	1.50	119.0
MW-08	8/20/2024	10:19	9.33	15.7	60.2	6.41	763.4	0.51	1.22	118.7

Site Samping Event: KIN-24Q3
LIMS Workorder: 24080169
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Form- Quality Parameters
Kincaid- 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-08S	8/20/2024	-	9.53	Well Went dry during purge (8/20). No recharge (8/21), no sample.						

Site Samping Event: KIN-24Q3
LIMS Workorder: 24080169
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Form- Quality Parameters
Kincaid- 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-09	8/19/2024	12:25	14.91	16.9	62.4	6.58	680.3	4.00	24.08	110.1
MW-09	8/19/2024	12:28	14.91	17.0	62.6	6.57	682.2	3.98	33.41	111.9
MW-09	8/19/2024	12:31	14.91	17.0	62.5	6.56	685.0	4.02	23.56	113.2
MW-09	8/19/2024	12:34	14.91	17.4	63.3	6.55	685.4	3.98	17.25	114.5
MW-09	8/19/2024	12:37	14.91	17.5	63.5	6.55	689.4	3.96	41.43	115.2

Site Samping Event: KIN-24Q3
LIMS Workorder: 24080169
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Form- Quality Parameters
Kincaid- 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-10	8/19/2024	11:31	12.77	19.0	66.2	6.41	1,848.4	3.36	15.80	53.0
MW-10	8/19/2024	11:34	12.77	19.0	66.2	6.39	1,843.3	3.23	9.21	69.1
MW-10	8/19/2024	11:37	12.77	19.2	66.6	6.39	1,839.1	3.04	8.14	77.8
MW-10	8/19/2024	11:40	12.77	19.2	66.5	6.38	1,800.7	2.85	8.00	83.7
MW-10	8/19/2024	11:43	12.77	19.5	67.0	6.39	1,788.9	2.91	6.33	88.1

Site Samping Event: KIN-24Q3
LIMS Workorder: 24080169
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Form- Quality Parameters
Kincaid- 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-11	8/20/2024	10:48	11.97	17.9	64.2	6.71	1,032.6	1.04	2.85	38.3
MW-11	8/20/2024	10:51	11.97	17.9	64.3	6.69	1,029.5	0.90	2.63	40.0
MW-11	8/20/2024	10:54	11.97	17.9	64.1	6.68	1,031.6	0.82	2.96	38.8
MW-11	8/20/2024	10:57	11.97	17.9	64.2	6.67	1,033.6	0.77	2.38	35.7

Site Samping Event: KIN-24Q3
LIMS Workorder: 24080169
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Form- Quality Parameters
Kincaid- 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-12	8/20/2024	12:32	7.21	18.5	65.3	6.80	1,417.2	5.42	25.87	-69.9
MW-12	8/20/2024	12:35	7.21	18.7	65.6	6.80	1,405.5	4.96	31.66	-72.9
MW-12	8/20/2024	12:38	7.21	18.3	65.0	6.79	1,410.6	4.62	20.76	-73.4
MW-12	8/20/2024	12:41	7.21	18.6	65.4	6.78	1,409.0	4.35	13.79	-72.8
MW-12	8/20/2024	12:44	7.21	18.6	65.5	6.77	1,415.0	4.10	11.65	-72.0
MW-12	8/20/2024	12:47	7.21	18.4	65.2	6.76	1,416.7	3.92	12.43	-71.0
MW-12	8/20/2024	12:50	7.21	18.2	64.7	6.75	1,417.3	3.78	13.14	-69.5
MW-12	8/20/2024	12:53	7.21	18.4	65.1	6.74	1,421.9	3.62	14.46	-68.4
MW-12	8/20/2024	12:56	7.21	18.4	65.2	6.74	1,422.6	3.52	16.21	-67.1

Site Samping Event: KIN-24Q3
LIMS Workorder: 24080169
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Form- Quality Parameters
Kincaid- 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-20	8/21/2024	10:54	9.80	16.3	61.4	6.89	1,014.9	5.46	12.96	-42.4
MW-20	8/21/2024	10:57	9.80	16.3	61.4	6.89	1,007.5	5.15	12.11	-44.5
MW-20	8/21/2024	11:00	9.80	16.3	61.3	6.90	988.9	4.94	14.12	-41.9
MW-20	8/21/2024	11:03	9.80	16.3	61.3	6.90	981.8	4.78	9.12	-40.6
MW-20	8/21/2024	11:06	9.80	16.3	61.4	6.90	979.6	4.61	9.26	-40.2
MW-20	8/21/2024	11:09	9.80	16.4	61.6	6.90	979.2	4.45	12.32	-39.9
MW-20	8/21/2024	11:12	9.80	16.7	62.0	6.90	979.1	4.29	13.10	-40.6
MW-20	8/21/2024	11:15	9.80	16.6	61.9	6.90	979.5	4.16	14.93	-40.7
MW-20	8/21/2024	11:18	9.80	16.9	62.4	6.90	979.5	4.03	14.99	-40.9

Site Samping Event: KIN-24Q3
LIMS Workorder: 24080169
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Form- Quality Parameters
Kincaid- 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-20S	8/20/2024	11:38	9.76	19.9	67.7	6.63	1,491.6	2.04	13.17	40.9
MW-20S	8/20/2024	11:41	9.76	19.6	67.4	6.62	1,463.3	1.92	9.95	31.2
MW-20S	8/20/2024	11:44	9.76	19.4	66.9	6.61	1,441.0	1.79	9.29	31.5
MW-20S	8/20/2024	11:47	9.76	19.0	66.2	6.60	1,425.4	1.60	8.78	30.5

Site Samping Event: KIN-24Q3
LIMS Workorder: 24080169
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Form- Quality Parameters
Kincaid- 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-23	8/21/2024	9:46	16.59	15.8	60.5	6.76	957.4	7.11	2.93	-147.5
MW-23	8/21/2024	9:49	16.59	15.8	60.4	6.79	957.8	6.59	3.69	-156.4
MW-23	8/21/2024	9:52	16.59	15.8	60.5	6.81	957.5	6.18	2.86	-161.7
MW-23	8/21/2024	9:55	16.59	15.8	60.5	6.81	956.7	5.84	2.61	-161.4
MW-23	8/21/2024	9:58	16.59	15.8	60.5	6.81	956.2	5.55	2.26	-160.9
MW-23	8/21/2024	10:01	16.59	15.9	60.6	6.81	955.7	5.31	2.20	-159.8
MW-23	8/21/2024	10:04	16.59	16.0	60.8	6.81	955.4	5.09	1.74	-158.3
MW-23	8/21/2024	10:07	16.59	16.3	61.4	6.81	955.8	4.89	1.34	-156.7
MW-23	8/21/2024	10:10	16.59	16.5	61.6	6.81	957.4	4.71	0.88	-154.4
MW-23	8/21/2024	10:13	16.59	16.2	61.2	6.80	955.9	4.57	0.63	-152.4
MW-23	8/21/2024	10:16	16.59	16.2	61.2	6.80	955.3	4.43	0.40	-151.0
MW-23	8/21/2024	10:19	16.59	16.1	61.1	6.80	954.2	4.31	0.40	-149.8

Site Samping Event: KIN-24Q3
LIMS Workorder: 24080169
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Form- Quality Parameters
Kincaid- 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-27	8/20/2024	11:04	16.34	16.9	62.5	6.58	1,054.3	1.43	27.26	-99.2
MW-27	8/20/2024	11:07	16.34	17.9	64.1	6.57	1,049.7	1.78	35.25	-98.0
MW-27	8/21/2024	10:25	16.34	18.4	65.0	6.54	993.1	4.69	42.95	-6.1

Site Samping Event: KIN-24Q3
LIMS Workorder: 24080169
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Form- Quality Parameters
Kincaid- 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-28	8/20/2024	11:32	7.93	17.8	64.0	6.71	2,264.1	6.73	4.17	77.0
MW-28	8/20/2024	11:35	7.93	17.5	63.4	6.70	2,221.7	6.08	2.69	77.3
MW-28	8/20/2024	11:38	7.93	17.5	63.5	6.71	2,212.4	5.54	2.38	77.0
MW-28	8/20/2024	11:41	7.93	17.4	63.3	6.72	2,230.8	5.17	2.09	77.6
MW-28	8/20/2024	11:44	7.93	17.4	63.3	6.72	2,246.4	4.86	1.85	77.0
MW-28	8/20/2024	11:47	7.93	17.4	63.2	6.73	2,263.8	4.63	2.74	77.8
MW-28	8/20/2024	11:50	7.93	17.3	63.2	6.73	2,274.0	4.42	3.49	77.0
MW-28	8/20/2024	11:53	7.93	17.4	63.3	6.73	2,280.9	4.24	4.08	76.6
MW-28	8/20/2024	11:56	7.93	17.5	63.5	6.73	2,283.4	4.09	4.24	76.8
MW-28	8/20/2024	11:59	7.93	17.5	63.4	6.73	2,291.7	3.96	6.07	77.1
MW-28	8/20/2024	12:02	7.93	17.5	63.5	6.73	2,294.1	3.84	0.95	76.6

Site Samping Event: KIN-24Q3
LIMS Workorder: 24080169
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Form- Quality Parameters
Kincaid- 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-30	8/20/2024	9:39	25.29	16.5	61.7	6.54	1,043.4	7.19	5.36	-58.7
MW-30	8/20/2024	9:42	25.29	16.5	61.7	6.56	1,037.3	6.57	4.02	-73.6
MW-30	8/20/2024	9:45	25.29	16.4	61.5	6.58	1,035.8	6.11	3.20	-81.8
MW-30	8/20/2024	9:48	25.29	16.4	61.5	6.60	1,032.3	5.73	3.08	-86.9
MW-30	8/20/2024	9:51	25.29	16.4	61.5	6.60	1,032.1	5.42	2.72	-90.1
MW-30	8/20/2024	9:54	25.29	16.3	61.4	6.61	1,032.2	5.16	2.29	-93.4
MW-30	8/20/2024	9:57	25.29	16.3	61.3	6.61	1,031.3	4.95	1.87	-96.1
MW-30	8/20/2024	10:00	25.29	16.3	61.4	6.61	1,031.1	4.76	0.88	-97.5
MW-30	8/20/2024	10:03	25.29	16.4	61.5	6.61	1,030.6	4.58	0.77	-98.9
MW-30	8/20/2024	10:06	25.29	16.3	61.4	6.62	1,031.9	4.44	0.73	-99.7
MW-30	8/20/2024	10:09	25.29	16.3	61.4	6.61	1,032.0	4.30	0.86	-100.6

Site Samping Event: KIN-24Q3
LIMS Workorder: 24080169
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Form- Quality Parameters
Kincaid- 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-31	8/21/2024	11:50	32.18	16.8	62.2	6.68	1,037.2	5.28	2.89	-91.3
MW-31	8/21/2024	11:53	32.18	16.9	62.4	6.68	1,039.4	4.91	2.45	-91.6
MW-31	8/21/2024	11:56	32.18	17.1	62.8	6.69	1,040.7	4.62	2.38	-91.8
MW-31	8/21/2024	11:59	32.18	17.1	62.8	6.69	1,041.2	4.38	2.09	-91.7
MW-31	8/21/2024	12:02	32.18	17.0	62.6	6.69	1,042.1	4.20	2.02	-91.4
MW-31	8/21/2024	12:05	32.18	16.6	62.0	6.69	1,039.9	4.03	1.59	-91.1
MW-31	8/21/2024	12:08	32.18	16.6	61.9	6.69	1,038.1	3.92	1.05	-90.4
MW-31	8/21/2024	12:11	32.18	16.8	62.3	6.69	1,041.0	3.77	0.68	-90.4
MW-31	8/21/2024	12:14	32.18	16.9	62.5	6.68	1,042.1	3.66	0.65	-90.0
MW-31	8/21/2024	12:17	32.18	16.7	62.1	6.69	1,041.6	3.56	0.29	-89.9

Site Samping Event: KIN-24Q3
LIMS Workorder: 24080169
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Form- Quality Parameters
Kincaid- 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-31S	8/21/2024	9:46	21.90	18.9	66.1	6.67	1,305.4	4.88	14.16	-71.7
MW-31S	8/21/2024	9:49	21.90	19.6	67.2	6.69	1,305.9	5.09	14.55	-69.0
MW-31S	8/21/2024	9:52	21.90	20.1	68.2	6.69	1,306.1	5.23	16.57	-66.7
MW-31S	8/21/2024	9:55	21.90	20.4	68.6	6.71	1,304.1	5.35	17.50	-67.7
MW-31S	8/21/2024	9:58	21.90	20.8	69.4	6.71	1,304.8	5.44	18.73	-67.5
MW-31S	8/21/2024	10:01	21.90	21.2	70.2	6.71	1,310.9	5.58	19.35	-67.8

Site Samping Event: KIN-24Q3
LIMS Workorder: 24080169
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Form- Quality Parameters
Kincaid- 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-32	8/20/2024	12:33	25.16	16.9	62.4	6.45	1,422.3	1.40	1.85	16.9
MW-32	8/20/2024	12:36	25.16	16.4	61.6	6.42	1,412.4	1.01	2.20	16.4
MW-32	8/20/2024	12:39	25.16	16.4	61.5	6.42	1,403.4	0.90	1.96	16.4
MW-32	8/20/2024	12:42	25.16	*Tubing disconnected from flow cell*						
MW-32	8/20/2024	12:45	25.16	16.3	61.3	6.43	1,408.1	1.47	2.97	16.3
MW-32	8/20/2024	12:48	25.16	16.2	61.2	6.41	1,405.2	1.10	2.31	16.2

Site Samping Event: KIN-24Q3
LIMS Workorder: 24080169
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Form- Quality Parameters
Kincaid- 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-4C	8/21/2024	10:39	9.09	17.9	64.2	6.85	947.0	2.61	32.46	-72.8
PZ-4C	8/21/2024	10:42	9.09	18.0	64.4	6.84	952.0	2.50	50.81	-69.7
PZ-4C	8/21/2024	10:45	9.09	17.7	63.9	6.84	949.1	2.36	118.11	-69.4
PZ-4C	8/21/2024	10:48	9.09	17.9	64.3	6.83	945.9	2.10	142.21	-69.2
PZ-4C	8/21/2024	10:51	9.09	17.9	64.2	6.83	948.2	2.06	125.27	-68.3
PZ-4C	8/21/2024	10:54	9.09	17.6	63.7	6.83	950.2	1.94	96.37	-68.0

Site Samping Event: KIN-24Q3
LIMS Workorder: 24080169
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Form- Quality Parameters
Kincaid- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
SG-02	8/19/2024	12:17	19.73	DTW Only						

Site Samping Event: KIN-24Q3
LIMS Workorder: 24080169
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Form- Quality Parameters
Kincaid- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
XSG-01	8/19/2024	10:10	5.12	DTW Only						

Site Samping Event: KIN-24Q3
LIMS Workorder: 24080169
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Form- Quality Parameters
Kincaid- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
Field Blank	8/21/2024	12:40	QA/QC Sample							

Site Samping Event: KIN-24Q3
LIMS Workorder: 24080169
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Form- Quality Parameters
Kincaid- 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-08 Duplicate	8/20/2024	10:10	9.33	15.8	60.4	6.38	762.8	0.74	3.16	107.5
MW-08 Duplicate	8/20/2024	10:13	9.33	15.8	60.4	6.39	762.8	0.60	1.88	116.1
MW-08 Duplicate	8/20/2024	10:16	9.33	15.7	60.3	6.40	763.0	0.56	1.50	119.0
MW-08 Duplicate	8/20/2024	10:19	9.33	15.7	60.2	6.41	763.4	0.51	1.22	118.7

Site Samping Event: KIN-24Q3
LIMS Workorder: 24080169
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Form- Quality Parameters
Kincaid- 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	8/21/2024	12:45	QA/QC Sample							

Site Samping Event: KIN-24Q3
LIMS Workorder: 24080169
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
Kincaid- 3Q 2024

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 223344 Technician(s): Payton Yoch/Tracy Carroll Date: 8/20/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC240612A	4.00	8/20/24 9:22
7.0 Buffer	WC240307F	7.00	8/20/24 9:18
10.0 Buffer	WC240625B	10.00	8/20/24 9:24
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	98627	1412	8/20/24 9:27

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	8/20/24 9:32	20.7	7.06	1,424	1.97		
CCV-1-TC	CCV	8/20/24 13:26	21.8	7.08	1,439	0.73		

Comments:

Field Meter ID: Pine 223344 Technician(s): Tracy Carroll Date: 8/21/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC240612A	4.00	8/21/24 10:12
7.0 Buffer	WC240307F	7.00	8/21/24 10:11
10.0 Buffer	WC240625B	10.00	8/21/24 10:13
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	98627	1412	8/21/24 10:15

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	8/21/24 10:16	20.3	7.03	1,413	1.46		
CCV-2-TC	CCV	8/21/24 13:08	22.8	7.05	1,490	1.42		

Comments:

Site Samping Event: KIN-24Q3
LIMS Workorder: 24080169
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
Kincaid- 3Q 2024

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 45985 Technician(s): Brett Gillihan Date: 8/19/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC240612A	3.99	8/19/24 9:32
7.0 Buffer	WC240307F	7.02	8/19/24 9:29
10.0 Buffer	WC240625B	10.01	8/19/24 9:40
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	98627	1420	8/19/24 9:43

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.8	8/19/24 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	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-1-BG	LCS	8/19/24 9:50	22.6	7.01	1,413	1.8		
CCV-1-BG	CCV	8/19/24 14:57	24.1	7.01	1,420	1.6		

Comments:

Field Meter ID: Pine 45985 Technician(s): Brett Gillihan Date: 8/20/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC240612A	4.00	8/20/24 8:55
7.0 Buffer	WC240307F	7.00	8/20/24 8:51
10.0 Buffer	WC240625A	9.98	8/20/24 8:59
LCS/CCV (7.0 Buffer)	WC240625B		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	98627	1418	8/20/24 9:03

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.5	8/20/24 9:05
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-2-BG	LCS	8/20/24 9:07	20.6	7.01	1,414	1.5		
CCV-2-BG	CCV	8/20/24 13:25	23.5	7.00	1,418	1.6		

Comments:

Site Samping Event: KIN-24Q3
LIMS Workorder: 24080169
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
Kincaid- 3Q 2024

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 45985 Technician(s): Brett Gillihan Date: 8/21/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC240612A	3.99	8/21/24 9:09
7.0 Buffer	WC240307F	7.01	8/21/24 9:04
10.0 Buffer	WC240625A	10.00	8/21/24 9:16
LCS/CCV (7.0 Buffer)	WC240625B		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	98627	1412	8/21/24 9:17

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.3	8/21/24 9:18
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-3-BG	LCS	8/21/24 9:20	22.4	7.00	1,410	1.3		
CCV-3-BG	CCV	8/21/24 12:53	24.1	7.00	1,416	1.3		

Comments:

Site Samping Event: KIN-24Q3
LIMS Workorder: 24080169
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
Kincaid- 3Q 2024

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 218074 Technician(s): justin colp Date: 8/19/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc240612a	4.02	8/19/24 9:34
7.0 Buffer	wc240307f	6.99	8/19/24 9:30
10.0 Buffer	wc240625b	9.98	8/19/24 9:39
LCS/CCV (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	98627	1406	8/19/24 9:44

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.44	8/19/24 9:44
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-1-JC	LCS	8/19/24 9:46	23.6	7.00	1,406	0.44		
CCV-1-JC	CCV	8/19/24 13:48	25.2	7.02	1,419	0.49		

Comments:

Field Meter ID: Pine 218074 Technician(s): justin colp Date: 8/20/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc240612a	3.99	8/20/24 9:15
7.0 Buffer	wc240307f	7.00	8/20/24 9:08
10.0 Buffer	wc240625b	10.00	8/20/24 9:19
LCS/CCV (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	98627	1410	8/20/24 9:24

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.53	8/20/24 9:24
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	8/20/24 9:39	20.7	7.01	1,410	0.53		
CCV-2-JC	CCV	8/20/24 13:23	24.5	7.04	1,427	0.6		

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 45985
Description YSI Pro DSS
Calibrated 7/25/2024 3:07:11PM

Manufacturer YSI
Model Number Pro DSS
Serial Number/ Lot Number 19E101797
Location St. Louis
Department

State Certified
Status Pass
Temp °C 22.2
Humidity % 43

Calibration Specifications

Group # 1
Group Name PH
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
7.00 / 7.00	PH	7.00	PH	7.06	7.02	0.29%	Pass
4.00 / 4.00	PH	4.00	PH	4.04	4.00	0.00%	Pass
10.00 / 10.00	PH	10.00	PH	10.03	10.04	0.40%	Pass

Group # 2
Group Name Turbidity
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
0.00 / 0.00	NTU	0.00	NTU	0.24	0.00	0.00%	Pass
124.00 / 124.00	NTU	124.00	NTU	125.76	124.00	0.00%	Pass

Group # 3
Group Name Conductivity
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.000

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
1.413 / 1.413	ms/cm	1.413	ms/cm	1.459	1.413	0.00%	Pass

Group # 4
Group Name Redox (ORP)
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.0

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
240.0 / 240.0	mv	240.0	mv	243.2	240.0	0.00%	Pass

Group # 5
Group Name Disolved Oxygen Span
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.0

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 45985
Description YSI Pro DSS
Calibrated 7/25/2024 3:07:11PM

Group #	5			**Range Acc %**	0.0000
Group Name	Disolved Oxygen Span			**Reading Acc %**	3.0000
Stated Accy	Pct of Reading			**Plus/Minus**	0.0

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
100.0 / 100.0	%	100.0	%	99.8	100.3	0.30%	Pass

Test Instruments Used During the Calibration **(As Of Cal Entry Date)**

Test Standard ID	Description	Manufacturer	Model Number	Serial Number / Lot Number	Last Cal Date/ Opened Date	Next Cal Date / Expiration Date
STL 126NTU L#24E24011653	STL 126 NTU L#24E24011653	YSI	126 NTU	24E24011653		5/25/2025
STL 1413 COND L#4GB0749	STL 1413 COND L#4GB0749	AquaPhocnix Scientific	31986	4GB0749		2/25/2025
STL AUTOCAL L#24009059	Auto Cal Solution 0 NTU/PH 4	GFS	8483	24009059		3/20/2025
STL ORP SOLUTION 240MV L#4GA1475	STL ORP SOLUTION 240MV L#4GA1475	AquaPhoenix Scientific	ORP Solution	4GA1475		10/25/2024
STL PH10 #4GB0253	STL PH10 #4GB0253	Absolute Accuracy	PH 10	4GB0253		2/25/2026
STL PH4 L#4GB0637	STL pH4 L#4GB0637	AquaPhoenix Scientific	pH 4	4GB0637		2/25/2026
STL PH7 L#4GB0027	STL PH7 L#4GB0027	AquaPhocnix Scientific	PH7	4GB0027		2/25/2026

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated Chris Harkins

All instruments are calibrated by Pine Environmental Services LLC according to the manufacturer's specifications, but it is the customer's responsibility to calibrate and maintain this unit in accordance with the manufacturer's specifications and/or the customer's own specific needs.

Notify Pine Environmental Services LLC of any defect within 24 hours of receipt of equipment
Please call 800-301-9663 for Technical Assistance

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 218074
Description YSI Pro DSS Sonde
Calibrated 7/25/2024 6:32:30PM

Manufacturer YSI
Model Number Pro DSS
Serial Number/ Lot Number 23F102664
Location St. Louis
Department

State Certified
Status Pass
Temp °C 22.2
Humidity % 43

Calibration Specifications

Group # 1
Group Name PH
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
7.00 / 7.00	PH	7.00	PH	7.30	7.02	0.29%	Pass
4.00 / 4.00	PH	4.00	PH	4.36	4.00	0.00%	Pass
10.00 / 10.00	PH	10.00	PH	10.20	10.04	0.40%	Pass

Group # 2
Group Name Turbidity (NTU)
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
0.00 / 0.00	NTU	0.00	NTU	0.06	0.00	0.00%	Pass
124.00 / 124.00	NTU	124.00	NTU	105.31	124.00	0.00%	Pass

Group # 3
Group Name Conductivity
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.000

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
1.413 / 1.413	ms/cm	1.413	ms/cm	1.435	1.413	0.00%	Pass

Group # 4
Group Name Redox (ORP)
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
240.00 / 240.00	mv	240.00	mv	216.10	240.00	0.00%	Pass

Group # 5
Group Name Dissolved Oxygen Span
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail

Site Samping Event: KIN-24Q3
LIMS Workorder: 24080169
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
Kincaid- 3Q 2024

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 218074 Technician(s): justin colp Date: 8/21/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc240612a	4.00	8/21/24 9:19
7.0 Buffer	wc240307f	7.00	8/21/24 9:16
10.0 Buffer	wc240625b	9.98	8/21/24 9:23
LCS/CCV (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	98627	1407	8/21/24 9:27

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.37	8/21/24 9:27
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	8/21/24 9:30	20.2	7.01	1,407	0.37		
CCV-3-JC	CCV	8/21/24 12:45	23.4	7.03	1,417	0.29		

Comments:

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 218074
Description YSI Pro DSS Sonde
Calibrated 7/25/2024 6:32:30PM

Group # 5
Group Name Dissolved Oxygen Span
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
100.00 / 100.00	%	100.00	%	98.90	100.00	0.00%	Pass

Test Instruments Used During the Calibration (As Of Cal Entry Date)

Test Standard ID	Description	Manufacturer	Model Number	Serial Number / Lot Number	Last Cal Date/ Opened Date	Next Cal Date / Expiration Date
STL 126NTU L#24E24011653	STL 126 NTU L#24E24011653	YSI	126 NTU	24E24011653		5/25/2025
STL 1413 COND L#4GB0749	STL 1413 COND L#4GB0749	AquaPhoenix Scientific	31986	4GB0749		2/25/2025
STL AUTOCAL L#24009059	Auto Cal Solution 0 NTU/PH 4	GFS	8483	24009059		3/20/2025
STL ORP SOLUTION 240MV L#4GA1475	STL ORP SOLUTION 240MV L#4GA1475	AquaPhoenix Scientific	ORP Solution	4GA1475		10/25/2024
STL PH10 #4GB0253	STL PH10 #4GB0253	Absolute Accuracy	PH 10	4GB0253		2/25/2026
STL PH4 L#4GB0637	STL pH4 L#4GB0637	AquaPhoenix Scientific	pH 4	4GB0637		2/25/2026
STL PH7 L#4GB0027	STL PH7 L#4GB0027	AquaPhoenix Scientific	PH7	4GB0027		2/25/2026

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated Chris Harkins

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Notify Pine Environmental Services LLC of any defect within 24 hours of receipt of equipment
Please call 800-301-9663 for Technical Assistance

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC
11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 223344
Description YSI Pro DSS Sonde
Calibrated 7/25/2024 3:04:32PM

Manufacturer YSI
Model Number Pro DSS
Serial Number/ Lot Number 24B105081
Location St. Louis
Department

State Certified
Status Pass
Temp °C 22.2
Humidity % 43

Calibration Specifications

Group # 1
Group Name PH
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
7.00 / 7.00	PH	7.00	PH	7.05	7.02	0.29%	Pass
4.00 / 4.00	PH	4.00	PH	3.96	4.00	0.00%	Pass
10.00 / 10.00	PH	10.00	PH	10.11	10.05	0.50%	Pass

Group # 2
Group Name Turbidity (NTU)
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
0.00 / 0.00	NTU	0.00	NTU	-4.44	0.00	0.00%	Pass
124.00 / 124.00	NTU	124.00	NTU	114.08	124.00	0.00%	Pass

Group # 3
Group Name Conductivity
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.000

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
1.413 / 1.413	ms/cm	1.413	ms/cm	1.465	1.413	0.00%	Pass

Group # 4
Group Name Redox (ORP)
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
240.00 / 240.00	mv	240.00	mv	227.30	240.00	0.00%	Pass

Group # 5
Group Name Dissolved Oxygen Span
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 223344
Description YSI Pro DSS Sonde
Calibrated 7/25/2024 3:04:32PM

Group # 5
Group Name Dissolved Oxygen Span
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
100.00 / 100.00	%	100.00	%	95.30	100.30	0.30%	Pass

Test Instruments Used During the Calibration (As Of Cal Entry Date)

Test Standard ID	Description	Manufacturer	Model Number	Serial Number / Lot Number	Last Cal Date/ Opened Date	Next Cal Date / Expiration Date
STL 126NTU L#24E24011653	STL 126 NTU L#24E24011653	YSI	126 NTU	24E24011653		5/25/2025
STL 1413 COND L#4GB0749	STL 1413 COND L#4GB0749	AquaPhoenix Scientific	31986	4GB0749		2/25/2025
STL 800 NTU L#24010026	STL 800 NTU L#24010026	GFS	8523	24010026		3/20/2025
STL AUTOCAL L#24009059	Auto Cal Solution 0 NTU/PH 4	GFS	8483	24009059		3/20/2025
STL ORP SOLUTION 240MV L#4GA1475	STL ORP SOLUTION 240MV L#4GA1475	AquaPhoenix Scientific	ORP Solution	4GA1475		10/25/2024
STL PH10 #4GB0253	STL PH10 #4GB0253	Absolute Accuracy	PH 10	4GB0253		2/25/2026
STL PH4 L#4GB0637	STL pH4 L#4GB0637	AquaPhoenix Scientific	pH 4	4GB0637		2/25/2026
STL PH7 L#4GB0027	STL PH7 L#4GB0027	AquaPhoenix Scientific	PH7	4GB0027		2/25/2026

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated Chris Harkins

Teklab, Inc.
Environmental Laboratory

http://www.teklabinc.com/

September 19, 2024

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

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

RE: KIN-24Q3 **WorkOrder:** 24080170

Dear Eric Bauer:

TEKLAB, INC received 31 samples on 8/21/2024 2:40:00 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: 24080170
Client Project: KIN-24Q3
Report Date: 19-Sep-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:** 24080170

Client Project: KIN-24Q3 **Report Date:** 19-Sep-24

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

Definitions

Client: Ramboll **Work Order:** 24080170

Client Project: KIN-24Q3 **Report Date:** 19-Sep-24

Qualifiers

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

Teklab, Inc.
Environmental Laboratory

Case Narrative

Client: Ramboll
Work Order: 24080170
Client Project: KIN-24Q3
Report Date: 19-Sep-24

Cooler Receipt Temp: 19.1 °C

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

MW-08S could not be collected; the well was dry.

PZ-4C collection time per field file. EAH 9/12/24

Ra226/228 analyses were performed by Eurofins St. Louis. See attached report for results and QC.

Locations

Collinsville

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

Springfield

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

Kansas City

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

Collinsville Air

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

Chicago

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

Accreditations

Client: Ramboll **Work Order:** 24080170

Client Project: KIN-24Q3 **Report Date:** 19-Sep-24

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2025	Collinsville
Illinois	IEPA	1004652024-2	NELAP	4/30/2025	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2025	Collinsville
Louisiana	LDEQ	05002	NELAP	6/30/2025	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2025	Collinsville
Oklahoma	ODEQ	9978	NELAP	12/31/2024	Collinsville
Arkansas	ADEQ	88-0966		3/14/2025	Collinsville
Illinois	IDPH	17584		5/31/2025	Collinsville
Iowa	IDNR	430		6/1/2026	Collinsville
Kentucky	UST	0073		1/31/2025	Collinsville
Mississippi	MSDH			4/30/2025	Collinsville
Missouri	MDNR	930		1/31/2025	Collinsville
Missouri	MDNR	00930		10/31/2026	Collinsville

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24080170

Client Project: KIN-24Q3 **Report Date:** 19-Sep-24

Lab ID: 24080170-001 **Client Sample ID:** MW-01

Matrix: GROUNDWATER **Collection Date:** 08/19/2024 10:26

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	09/16/2024 12:54	R353372

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24080170

Client Project: KIN-24Q3 **Report Date:** 19-Sep-24

Lab ID: 24080170-002 **Client Sample ID:** MW-02

Matrix: GROUNDWATER **Collection Date:** 08/19/2024 10:29

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	09/16/2024 12:54	R353372

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24080170

Client Project: KIN-24Q3 **Report Date:** 19-Sep-24

Lab ID: 24080170-003 **Client Sample ID:** MW-03

Matrix: GROUNDWATER **Collection Date:** 08/19/2024 11:32

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	09/16/2024 12:54	R353372

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24080170

Client Project: KIN-24Q3 **Report Date:** 19-Sep-24

Lab ID: 24080170-004 **Client Sample ID:** MW-04

Matrix: GROUNDWATER **Collection Date:** 08/19/2024 12:21

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	09/16/2024 12:54	R353372

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24080170

Client Project: KIN-24Q3 **Report Date:** 19-Sep-24

Lab ID: 24080170-005 **Client Sample ID:** MW-05

Matrix: GROUNDWATER **Collection Date:** 08/19/2024 13:26

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	09/16/2024 12:50	R353372

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24080170

Client Project: KIN-24Q3 **Report Date:** 19-Sep-24

Lab ID: 24080170-006 **Client Sample ID:** MW-06

Matrix: GROUNDWATER **Collection Date:** 08/20/2024 11:14

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	09/16/2024 12:51	R353372

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24080170

Client Project: KIN-24Q3 **Report Date:** 19-Sep-24

Lab ID: 24080170-007 **Client Sample ID:** MW-07

Matrix: GROUNDWATER **Collection Date:** 08/20/2024 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	09/16/2024 12:51	R353372

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24080170

Client Project: KIN-24Q3 **Report Date:** 19-Sep-24

Lab ID: 24080170-008 **Client Sample ID:** MW-07S

Matrix: GROUNDWATER **Collection Date:** 08/20/2024 10:11

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	09/16/2024 12:51	R353372

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24080170

Client Project: KIN-24Q3 **Report Date:** 19-Sep-24

Lab ID: 24080170-009 **Client Sample ID:** MW-08

Matrix: GROUNDWATER **Collection Date:** 08/20/2024 10:19

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	09/16/2024 12:51	R353372

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24080170

Client Project: KIN-24Q3 **Report Date:** 19-Sep-24

Lab ID: 24080170-011 **Client Sample ID:** MW-09

Matrix: GROUNDWATER **Collection Date:** 08/19/2024 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	09/16/2024 12:51	R353372

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24080170

Client Project: KIN-24Q3 **Report Date:** 19-Sep-24

Lab ID: 24080170-012 **Client Sample ID:** MW-10

Matrix: GROUNDWATER **Collection Date:** 08/19/2024 11:43

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	09/16/2024 12:52	R353372

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24080170

Client Project: KIN-24Q3 **Report Date:** 19-Sep-24

Lab ID: 24080170-013 **Client Sample ID:** MW-11

Matrix: GROUNDWATER **Collection Date:** 08/20/2024 10:57

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	09/16/2024 12:52	R353372

Laboratory Results

Client: Ramboll **Work Order:** 24080170

Client Project: KIN-24Q3 **Report Date:** 19-Sep-24

Lab ID: 24080170-014 **Client Sample ID:** MW-12

Matrix: GROUNDWATER **Collection Date:** 08/20/2024 12:56

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	09/16/2024 12:52	R353372

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24080170

Client Project: KIN-24Q3 **Report Date:** 19-Sep-24

Lab ID: 24080170-015 **Client Sample ID:** MW-20

Matrix: GROUNDWATER **Collection Date:** 08/21/2024 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	09/16/2024 12:52	R353372

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24080170

Client Project: KIN-24Q3 **Report Date:** 19-Sep-24

Lab ID: 24080170-016 **Client Sample ID:** MW-20S

Matrix: GROUNDWATER **Collection Date:** 08/20/2024 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	09/16/2024 12:52	R353372

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24080170

Client Project: KIN-24Q3 **Report Date:** 19-Sep-24

Lab ID: 24080170-017 **Client Sample ID:** MW-23

Matrix: GROUNDWATER **Collection Date:** 08/21/2024 10:19

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	09/16/2024 12:47	R353372

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24080170

Client Project: KIN-24Q3 **Report Date:** 19-Sep-24

Lab ID: 24080170-018 **Client Sample ID:** MW-27

Matrix: GROUNDWATER **Collection Date:** 08/21/2024 10:25

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	09/16/2024 12:48	R353372

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24080170

Client Project: KIN-24Q3 **Report Date:** 19-Sep-24

Lab ID: 24080170-019 **Client Sample ID:** MW-28

Matrix: GROUNDWATER **Collection Date:** 08/20/2024 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	09/16/2024 12:48	R353372

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24080170

Client Project: KIN-24Q3 **Report Date:** 19-Sep-24

Lab ID: 24080170-020 **Client Sample ID:** MW-30

Matrix: GROUNDWATER **Collection Date:** 08/20/2024 10:09

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	09/16/2024 12:42	R353372

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24080170

Client Project: KIN-24Q3 **Report Date:** 19-Sep-24

Lab ID: 24080170-021 **Client Sample ID:** MW-31

Matrix: GROUNDWATER **Collection Date:** 08/21/2024 12:17

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	09/16/2024 12:42	R353372

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24080170

Client Project: KIN-24Q3 **Report Date:** 19-Sep-24

Lab ID: 24080170-022 **Client Sample ID:** MW-31S

Matrix: GROUNDWATER **Collection Date:** 08/21/2024 10:01

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	09/16/2024 12:42	R353372

Laboratory Results

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

Client: Ramboll **Work Order:** 24080170

Client Project: KIN-24Q3 **Report Date:** 19-Sep-24

Lab ID: 24080170-023 **Client Sample ID:** MW-32

Matrix: GROUNDWATER **Collection Date:** 08/20/2024 12:48

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	09/16/2024 12:43	R353372

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24080170

Client Project: KIN-24Q3 **Report Date:** 19-Sep-24

Lab ID: 24080170-024 **Client Sample ID:** MW-33S

Matrix: GROUNDWATER **Collection Date:** 08/21/2024 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	09/16/2024 12:43	R353372

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24080170

Client Project: KIN-24Q3 **Report Date:** 19-Sep-24

Lab ID: 24080170-025 **Client Sample ID:** MW-34S

Matrix: GROUNDWATER **Collection Date:** 08/20/2024 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	09/16/2024 12:43	R353372

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24080170

Client Project: KIN-24Q3 **Report Date:** 19-Sep-24

Lab ID: 24080170-026 **Client Sample ID:** MW-35S

Matrix: GROUNDWATER **Collection Date:** 08/21/2024 12:30

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	09/16/2024 12:43	R353372

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24080170

Client Project: KIN-24Q3 **Report Date:** 19-Sep-24

Lab ID: 24080170-027 **Client Sample ID:** PZ-4A

Matrix: GROUNDWATER **Collection Date:** 08/21/2024 11:23

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	09/16/2024 12:43	R353372

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24080170

Client Project: KIN-24Q3 **Report Date:** 19-Sep-24

Lab ID: 24080170-028 **Client Sample ID:** PZ-4C

Matrix: GROUNDWATER **Collection Date:** 08/21/2024 10:54

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	09/16/2024 12:43	R353372

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24080170

Client Project: KIN-24Q3 **Report Date:** 19-Sep-24

Lab ID: 24080170-029 **Client Sample ID:** Field Blank

Matrix: AQUEOUS **Collection Date:** 08/21/2024 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	09/16/2024 12:44	R353372

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24080170

Client Project: KIN-24Q3 **Report Date:** 19-Sep-24

Lab ID: 24080170-030 **Client Sample ID:** MW-08 Duplicate

Matrix: GROUNDWATER **Collection Date:** 08/20/2024 10:19

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	09/16/2024 12:44	R353372

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24080170

Client Project: KIN-24Q3 **Report Date:** 19-Sep-24

Lab ID: 24080170-031 **Client Sample ID:** Equipment Blank

Matrix: AQUEOUS **Collection Date:** 08/21/2024 12:45

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	09/16/2024 12:44	R353372

Sample Summary

Client: Ramboll
Work Order: 24080170
Client Project: KIN-24Q3
Report Date: 19-Sep-24

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
24080170-001	MW-01	Groundwater	1	08/19/2024 10:26
24080170-002	MW-02	Groundwater	1	08/19/2024 10:29
24080170-003	MW-03	Groundwater	1	08/19/2024 11:32
24080170-004	MW-04	Groundwater	1	08/19/2024 12:21
24080170-005	MW-05	Groundwater	1	08/19/2024 13:26
24080170-006	MW-06	Groundwater	1	08/20/2024 11:14
24080170-007	MW-07	Groundwater	1	08/20/2024 9:48
24080170-008	MW-07S	Groundwater	1	08/20/2024 10:11
24080170-009	MW-08	Groundwater	1	08/20/2024 10:19
24080170-010	MW-08S	Groundwater	1	08/20/2024 0:00
24080170-011	MW-09	Groundwater	1	08/19/2024 12:37
24080170-012	MW-10	Groundwater	1	08/19/2024 11:43
24080170-013	MW-11	Groundwater	1	08/20/2024 10:57
24080170-014	MW-12	Groundwater	1	08/20/2024 12:56
24080170-015	MW-20	Groundwater	1	08/21/2024 11:18
24080170-016	MW-20S	Groundwater	1	08/20/2024 11:47
24080170-017	MW-23	Groundwater	1	08/21/2024 10:19
24080170-018	MW-27	Groundwater	1	08/21/2024 10:25
24080170-019	MW-28	Groundwater	1	08/20/2024 12:02
24080170-020	MW-30	Groundwater	1	08/20/2024 10:09
24080170-021	MW-31	Groundwater	1	08/21/2024 12:17
24080170-022	MW-31S	Groundwater	1	08/21/2024 10:01
24080170-023	MW-32	Groundwater	1	08/20/2024 12:48
24080170-024	MW-33S	Groundwater	1	08/21/2024 11:26
24080170-025	MW-34S	Groundwater	1	08/20/2024 11:56
24080170-026	MW-35S	Groundwater	1	08/21/2024 12:30
24080170-027	PZ-4A	Groundwater	1	08/21/2024 11:23
24080170-028	PZ-4C	Groundwater	1	08/21/2024 10:54
24080170-029	Field Blank	Aqueous	1	08/21/2024 12:40
24080170-030	MW-08 Duplicate	Groundwater	1	08/20/2024 10:19
24080170-031	Equipment Blank	Aqueous	1	08/21/2024 12:45

Teklab, Inc. Environmental Laboratory

Receiving Check List

http://www.teklabinc.com/

Client: Ramboll
Client Project: KIN-24Q3

Work Order: 24080170
Report Date: 19-Sep-24

Carrier: Justin Colp

Received By: AMD

Completed by: Amber Dilallo
On: 19-Aug-24

Reviewed by: Ellie Hopkins
On: 21-Aug-24

Pages to follow: Chain of custody 1 Extra pages included 36

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C 19.1
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.

Samples were received on 8/19/24 at 1525 on ice [19.1C - LTG#5]. Additional Nitric Acid (99172) was needed in MW-10, MW-05, and MW-09 upon arrival at the laboratory. pH strip #96651. - NR/amberdilallo - 8/19/2024 3:48:56 PM

Samples were received on 8/20/24 at 1458 on ice [12.7C - LTG#5]. Additional Nitric Acid (99172) was needed in MW-07, MW-07S, MW-08, MW-20S, MW-32, and MW-08 Duplicate upon arrival at the laboratory. pH strip #96651. - amberdilallo - 8/20/2024 3:54:39 PM

Samples were received on 8/21/24 at 1440 on ice [12.7C - LTG#5]. Additional Nitric Acid (99172) was needed in MW-31S upon arrival at the laboratory. pH strip #96651. - NR/amberdilallo - 8/21/2024 3:28:15 PM

24080170

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:

Company:	Vistra Corp-Kincaid
Address:	199 IL 104
	Kincaid, IL 62540
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, Sam Davies
Copy To:	Sam Davies: samantha.davies@vistracorp.com
	Tim Arnold: Tim.Arnold@vistracorp.com
Purchase Order No.:	
Project Name:	
Project Number:	

Section C Invoice Information:

Attention:	Brian Voelker, Tim Arnold
Company Name:	Vistra Corp
Address:	see Section A
Quote Reference:	
Project Manager:	Liz Hurley
Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Ra226/228, only

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: KIN-257-141	KIN-620-141	KIN-845-141	KIN-NE-141	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-01	WT	G	8-19-24	1024		2			2							X	X	X	X		24080170-001
2	MW-02	WT	G	8-19-24	1029		2			2							X	X	X	X		24080170-002
3	MW-03	WT	G		1132		2			2							X	X	X	X		24080170-003
4	MW-04	WT	G		1221		2			2								X				24080170-004
5	MW-05	WT	G	↓	1326		2			2							X	X	X	X		24080170-005
6	MW-06	WT	G				2			2							X	X	X	X		24080170-006
7	MW-07	WT	G				2			2							X	X	X	X		24080170-007
8	MW-07S	WT	G				2			2							X		X	X		24080170-008
9	MW-08	WT	G				2			2							X	X	X	X		24080170-009
10	MW-08S	WT	G				2			2							X		X	X		24080170-010
11	MW-09	WT	G	8-19-24	1239		2			2								X				24080170-011
12	MW-10	WT	G	8-19-24	1143		2			2								X				24080170-012
13	MW-11	WT	G				2			2							X	X	X	X		24080170-013
14	MW-12	WT	G				2			2							X	X	X	X		24080170-014
15	MW-20	WT	G				2			2							X		X	X		24080170-015
16	MW-20S	WT	G				2			2							X		X	X		24080170-016

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
KIN-24Q3 Rev 0	J-Colp	8-19	1525	Samantha Davies	8/19/24	1525

SAMPLE CONDITIONS

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

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: Justin Colp DATE Signed (MM/DD/YY): 8-19-24

Added HNO_3 (99172) to 1/2 MW10 + 2/2 MW5, MW9 9665 m 8/19

LTG5

24080170

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-Kincaid	Report To:	Brian Voelker, Sam Davies	Attention:	Brian Voelker, Tim Arnold
Address:	199 IL 104	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Kincaid, IL 62540		Tim Arnold: Tim.Arnold@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:	Liz Hurley
Requested Due Date/TAT:	10 day	Project Number:		Profile #:	

REGULATORY AGENCY			
NPDES	GROUND WATER	DRINKING WATER	
UST	RCRA	OTHER	
Site Location STATE:	IL	Ra226/228, only	

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	KIN-257-141	KIN-620-141	KIN-845-141	KIN-NE-141	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-01	WT	G				2			2							X	X	X	X		24080170-001
2	MW-02	WT	G				2			2							X	X	X	X		24080170-002
3	MW-03	WT	G				2			2							X	X	X	X		24080170-003
4	MW-04	WT	G				2			2								X				24080170-004
5	MW-05	WT	G				2			2							X	X	X	X		24080170-005
6	MW-06	WT	G	8-20-24	1114		2			2							X	X	X	X		24080170-006
7	MW-07	WT	G	8-20-24	948		2			2							X	X	X	X		24080170-007
8	MW-07S	WT	G	8-20-24	1011		2			2							X		X	X		24080170-008
9	MW-08	WT	G	8/20/24	1019		2			2							X	X	X	X		24080170-009
10	MW-08S	WT	G	8/20/24	954		2			2							X		X	X		24080170-010
11	MW-09	WT	G				2			2								X				24080170-011
12	MW-10	WT	G				2			2								X				24080170-012
13	MW-11	WT	G	8-20-24	1057		2			2							X	X	X	X		24080170-013
14	MW-12	WT	G	8-20-24	1256		2			2							X	X	X	X		24080170-014
15	MW-20	WT	G				2			2							X		X	X		24080170-015
16	MW-20S	WT	G	8.20.24	1147		2			2							X		X	X		24080170-016

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
KIN-24Q3 Rev 0		8.20.24	1458		8/20/24	1458	12.7 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 Cole					
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY): 8-20-24				

Added HNO3 (99172) to MW-07 2/2, MW-07S 2/2, MW-08 1/2, MW-20S 1/2, MW-32 1/2, & MW-8 Dup 1/2.
DH ✓ 9101051 SM 8/20/24

CHAIN-OF-CUSTODY / Analytical Request Document

24080170

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Page: 2 of 3

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Kincaid	Report To: Brian Voelker, Sam Davies	Attention: Brian Voelker, Tim Arnold
Address: 199 IL 104	Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp
Kincaid, IL 62540	Tim Arnold: Tim.Arnold@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: Liz Hurley
Requested Due Date/TAT: 10 day	Project Number:	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Ra226/228, only

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	Valid Matrix Codes MATRIX / CODE: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Requested Analysis Filtered (Y/N) Y/N	Analysis Test: KIN-257-141	KIN-620-141	KIN-845-141	KIN-NE-141	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-23		WT	G				2			2						X		X	X		24080170-017
2	MW-27		WT	G				2			2						X		X	X		24080170-018
3	MW-28		WT	G	8-20-24	1202		2			2						X		X	X		24080170-019
4	MW-30		WT	G	8-20-24	1009		2			2						X		X	X		24080170-020
5	MW-31		WT	G				2			2						X		X	X		24080170-021
6	MW-31S		WT	G				2			2						X		X	X		24080170-022
7	MW-32		WT	G	8-20-24	1249		2			2						X		X	X		24080170-023
8	MW-33S		WT	G				2			2									X		24080170-024
9	MW-34S		WT	G	8/20/24	1156		2			2									X		24080170-025
10	MW-35S		WT	G				2			2									X		24080170-026
11	PZ-4A		WT	G				2			2									X		24080170-027
12	PZ-4C		WT	G				2			2						X		X	X		24080170-028
13	SG-02		WT	G				0									X		X			N/A
14	XSG-01		WT	G				0									X		X			N/A
15	Field Blank		WT	G				2			2						X	X	X	X		24080170-029
16	MW-08 Duplicate		WT	G	8/20/24	1019		2			2						X	X	X	X		24080170-030

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
KIN-24Q3 Rev 0		8/20/24	1458		8/20/24	1458	

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): 8-20-24					

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24080170

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Page: 1 of 3

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Kincaid	Report To:	Brian Voelker, Sam Davies	Attention:	Brian Voelker, Tim Arnold
Address:	199 IL 104	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Kincaid, IL 62540		Tim Arnold: Tim.Arnold@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:	Liz Hurley
Requested Due Date/TAT:	10 day	Project Number:		Profile #:	

REGULATORY AGENCY		
NPDES	GROUND WATER	DRINKING WATER
UST	RCRA	OTHER
Site Location STATE:	IL	Ra226/228, only

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N: KIN-257-141	KIN-620-141	KIN-845-141	KIN-NE-141	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-01	WT	G				2			2						X	X	X	X		24080170-001
2	MW-02	WT	G				2			2						X	X	X	X		24080170-002
3	MW-03	WT	G				2			2						X	X	X	X		24080170-003
4	MW-04	WT	G				2			2							X				24080170-004
5	MW-05	WT	G				2			2						X	X	X	X		24080170-005
6	MW-06	WT	G				2			2						X	X	X	X		24080170-006
7	MW-07	WT	G				2			2						X	X	X	X		24080170-007
8	MW-07S	WT	G				2			2						X		X	X		24080170-008
9	MW-08	WT	G				2			2						X	X	X	X		24080170-009
10	MW-08S	WT	G				2			2						X		X	X		24080170-010
11	MW-09	WT	G				2			2							X				24080170-011
12	MW-10	WT	G				2			2							X				24080170-012
13	MW-11	WT	G				2			2						X	X	X	X		24080170-013
14	MW-12	WT	G				2			2						X	X	X	X		24080170-014
15	MW-20	WT	G	8-21-24	1118		2			2						X		X	X		24080170-015
16	MW-20S	WT	G				2			2						X		X	X		24080170-016

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

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
KIN-24Q3 Rev 0		8-21	1440		8/21/24	1440	12.7 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:	Payton Cook	TEPAT				
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY): ~~08/22/24~~ 08/21/24				

PHV 96651 added HNO_3 (99172) to MW315 2/2

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24080170

KIN-257-141

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Page: 2 of 3

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Kincaid	Report To:	Brian Voelker, Sam Davies	Attention:	Brian Voelker, Tim Arnold
Address:	199 IL 104	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Kincaid, IL 62540		Tim Arnold: Tim.Arnold@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:	Liz Hurley
Requested Due Date/TAT:	10 day	Project Number:		Profile #:	

REGULATORY AGENCY		
NPDES	GROUND WATER	DRINKING WATER
UST	RCRA	OTHER
Site Location STATE:	IL	Ra226/228, only

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: KIN-257-141	KIN-620-141	KIN-845-141	KIN-NE-141	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-23		WT	G	8-21-24	1019		2			2						X		X	X		24080170-017
2	MW-27		WT	G	8.21.24	1025		2			2						X		X	X		24080170-018
3	MW-28		WT	G				2			2						X		X	X		24080170-019
4	MW-30		WT	G				2			2						X		X	X		24080170-020
5	MW-31		WT	G	8-21-24	1217		2			2						X		X	X		24080170-021
6	MW-31S		WT	G	8-21-24	1001		2			2						X		X	X		24080170-022
7	MW-32		WT	G				2			2						X		X	X		24080170-023
8	MW-33S		WT	G	8.21.24	1126		2			2									X		24080170-024
9	MW-34S		WT	G				2			2									X		24080170-025
10	MW-35S		WT	G	8.21.24	1233		2			2									X		24080170-026
11	PZ-4A		WT	G	8-21-24	1123		2			2									X		24080170-027
12	PZ-4C		WT	G	8.21.24	1655		2			2						X		X	X		24080170-028
13	SG-02		WT	G				0									X		X			N/A
14	XSG-01		WT	G				0									X		X			N/A
15	Field Blank		WT	G	8-21-24	1240		2			2						X	X	X	X		24080170-029
16	MW-08 Duplicate		WT	G				2			2						X	X	X	X		24080170-030

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
KIN-24Q3 Rev 0		8-21	1440		8/21/24	1440				

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:	Paxton Tack	TE PW				
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY): 08/22/24 08/21/24				

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 3 of 3

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:	
Company: Vistra Corp-Kincaid	Report To: Brian Voelker, Sam Davies	Attention: Brian Voelker, Tim Arnold	REGULATORY AGENCY
Address: 199 IL 104	Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp	NPDES GROUND WATER DRINKING WATER
Kincaid, IL 62540	Tim Arnold: Tim.Arnold@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: Liz Hurley	Site Location STATE: IL
Requested Due Date/TAT: 10 day	Project Number:	Profile #:	Ra226/228, only

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

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Requested Analysis Filtered (Y/N) Y/N	Analysis Test	KIN-257-141	KIN-620-141	KIN-845-141	KIN-NE-141	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	Equipment Blank	WT	G	8-21-24	1245		2			2								X	X	X	X		24080170-031
2																							
3																							
4																							
5																							
6																							
7																							
8																							
9																							
10																							
11																							
12																							
13																							
14																							
15																							
16																							

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
KIN-24Q3 Rev 0		8-21	1440		8/21/24	1440				
							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: Paxton Cook TE PM

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): ~~08/22/24~~ 08/21/24

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 9/18/2024 4:35:28 PM

JOB DESCRIPTION

Radium-226 and Radium-228
24080170

JOB NUMBER

160-55181-1

Eurofins St. Louis
13715 Rider Trail North
Earth City MO 63045

See page two for job notes and contact information.

my EOL

Eurofins St. Louis

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins TestAmerica Project Manager.

Authorization



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Authorized for release by
Erika Jordan, Project Manager
erika.jordan@et.eurofinsus.com
(314)298-8566

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Case Narrative

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

Job ID: 160-55181-1

Job ID: 160-55181-1 — Eurofins St. Louis

CASE NARRATIVE

Client: TekLab, Inc

Project: 24080170

Report Number: 160-55181-1

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.

The matrix for the Method Blank and LCS/LCSD is as close to the samples as can be reasonably achieved. Detailed information can be found in the most current revision of the associated SOP.

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.

This laboratory report is confidential and is intended for the sole use of Eurofins TestAmerica and its client.

No additional analytical or quality issues were noted, other than those described below or in the Definitions/ Glossary page.

Receipt
The samples were received on 8/22/2024 2:15 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 19.6°C, 19.8°C and 19.9°C.

The client emailed an update to sample 24080170-028 collection time. The email is included in the report for documentation.

Method 903.0 - Radium-226 (GFPC)
Samples 24080170-001 (160-55181-1), 24080170-002 (160-55181-2), 24080170-003 (160-55181-3), 24080170-004 (160-55181-4), 24080170-005 (160-55181-5), 24080170-006 (160-55181-6), 24080170-007 (160-55181-7), 24080170-008 (160-55181-8), 24080170-009 (160-55181-9), 24080170-011 (160-55181-10), 24080170-012 (160-55181-11), 24080170-013 (160-55181-12), 24080170-014 (160-55181-13), 24080170-015 (160-55181-14), 24080170-016 (160-55181-15), 24080170-017 (160-55181-16), 24080170-018 (160-55181-17), 24080170-019 (160-55181-18), 24080170-020 (160-55181-19), 24080170-021 (160-55181-20), 24080170-022 (160-55181-21), 24080170-023 (160-55181-22), 24080170-024 (160-55181-23), 24080170-025 (160-55181-24), 24080170-026 (160-55181-25), 24080170-027 (160-55181-26), 24080170-028 (160-55181-27), 24080170-029 (160-55181-28), 24080170-030 (160-55181-29) and 24080170-031 (160-55181-30) were analyzed for Radium-226 (GFPC). The samples were prepared on 8/26/2024 and analyzed on 9/17/2024.

Case Narrative

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

Job ID: 160-55181-1

Job ID: 160-55181-1 (Continued) — Eurofins St. Louis

Method 904.0 - Radium-228 (GFPC)
Samples 24080170-001 (160-55181-1), 24080170-002 (160-55181-2), 24080170-003 (160-55181-3), 24080170-004 (160-55181-4), 24080170-005 (160-55181-5), 24080170-006 (160-55181-6), 24080170-007 (160-55181-7), 24080170-008 (160-55181-8), 24080170-009 (160-55181-9), 24080170-011 (160-55181-10), 24080170-012 (160-55181-11), 24080170-013 (160-55181-12), 24080170-014 (160-55181-13), 24080170-015 (160-55181-14), 24080170-016 (160-55181-15), 24080170-017 (160-55181-16), 24080170-018 (160-55181-17), 24080170-019 (160-55181-18), 24080170-020 (160-55181-19), 24080170-021 (160-55181-20), 24080170-022 (160-55181-21), 24080170-023 (160-55181-22), 24080170-024 (160-55181-23), 24080170-025 (160-55181-24), 24080170-026 (160-55181-25), 24080170-027 (160-55181-26), 24080170-028 (160-55181-27), 24080170-029 (160-55181-28), 24080170-030 (160-55181-29) and 24080170-031 (160-55181-30) were analyzed for Radium-228 (GFPC). The samples were prepared on 8/26/2024 and analyzed on 9/16/2024.

Method Ra226_Ra228 Pos - Combined Radium-226 and Radium-228
Samples 24080170-001 (160-55181-1), 24080170-002 (160-55181-2), 24080170-003 (160-55181-3), 24080170-004 (160-55181-4), 24080170-005 (160-55181-5), 24080170-006 (160-55181-6), 24080170-007 (160-55181-7), 24080170-008 (160-55181-8), 24080170-009 (160-55181-9), 24080170-011 (160-55181-10), 24080170-012 (160-55181-11), 24080170-013 (160-55181-12), 24080170-014 (160-55181-13), 24080170-015 (160-55181-14), 24080170-016 (160-55181-15), 24080170-017 (160-55181-16), 24080170-018 (160-55181-17), 24080170-019 (160-55181-18), 24080170-020 (160-55181-19), 24080170-021 (160-55181-20), 24080170-022 (160-55181-21), 24080170-023 (160-55181-22), 24080170-024 (160-55181-23), 24080170-025 (160-55181-24), 24080170-026 (160-55181-25), 24080170-027 (160-55181-26), 24080170-028 (160-55181-27), 24080170-029 (160-55181-28), 24080170-030 (160-55181-29) and 24080170-031 (160-55181-30) were analyzed for Combined Radium-226 and Radium-228. The samples were analyzed on 9/17/2024 and 9/18/2024.

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# 24080170

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: 36744 | 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
	24080170-001	8/19/24 1026	HNO3	Groundwater	✔	✔	✔
	24080170-002	8/19/24 1029	HNO3	Groundwater	✔	✔	✔
	24080170-003	8/19/24 1132	HNO3	Groundwater	✔	✔	✔
	24080170-004	8/19/24 1221	HNO3	Groundwater	✔	✔	✔
	24080170-005	8/19/24 1326	HNO3	Groundwater	✔	✔	✔
	24080170-006	8/20/24 1114	HNO3	Groundwater	✔	✔	✔
	24080170-007	8/20/24 0948	HNO3	Groundwater	✔	✔	✔
	24080170-008	8/20/24 1011	HNO3	Groundwater	✔		
	24080170-009	8/20/24 1019	HNO3	Groundwater	✔	✔	✔
	24080170-010	Dry	HNO3	Groundwater	✔		
	24080170-011	8/19/24 1237	HNO3	Groundwater	✔	✔	✔

160-55181 Chain of Custody

*Relinquished By	Date/Time	Received By	Date/Time
[signature]	8/22/24 1200	[signature]	8/22/24 1230
	8/22/24 1415		8/22/24 1415

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

SubCocRevA
3/2/2016

TEKLAB, INC. Chain of Custody

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

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

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: | Sampler: Teklab, Inc. | QC Level: 2

Comments:
- **Please Issue reports and invoices via email only**
- Please analyze for Radium 226/228 per methods specified for Vistra/Ramboll projects.
- Method changes require Teklab authorization. Samples collected from an IL site.
- Batch QC is required for all analyses requested. Vistra-EDD requested.

Project# 24080170

Contact: Elizabeth Hurley | Email: EHurley@TekLabInc.com
Requested Due Date: Standard TAT | Billing/PO: 36744 | 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
	24080170-012	8/19/24 1143	HNO3	Groundwater	✔	✔	✔
	24080170-013	8/20/24 1057	HNO3	Groundwater	✔	✔	✔
	24080170-014	8/20/24 1256	HNO3	Groundwater	✔	✔	✔
	24080170-015	8/21/24 1118	HNO3	Groundwater	✔		
	24080170-016	8/20/24 1147	HNO3	Groundwater	✔		
	24080170-017	8/21/24 1019	HNO3	Groundwater	✔		
	24080170-018	8/21/24 1025	HNO3	Groundwater	✔		
	24080170-019	8/20/24 1202	HNO3	Groundwater	✔		
	24080170-020	8/20/24 1009	HNO3	Groundwater	✔		
	24080170-021	8/21/24 1217	HNO3	Groundwater	✔		
	24080170-022	8/21/24 1001	HNO3	Groundwater	✔		

*Relinquished By	Date/Time	Received By	Date/Time
	8/22/24 1200		8/22/24 1230
	8/22/24 1415	M. Pruette	8/22/24 1415

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3/2/2016

TEKLAB, INC. Chain of Custody

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

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

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: | Sampler: Teklab, 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# 24080170

Contact: Elizabeth Hurley | Email: EHurley@TekLabInc.com
Requested Due Date: Standard TAT | Billing/PO: 36744 | 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
	24080170-023	8/20/24 1248	HNO3	Groundwater	✔		
	24080170-024	8/21/24 1126	HNO3	Groundwater	✔		
	24080170-025	8/20/24 1156	HNO3	Groundwater	✔		
	24080170-026	8/21/24 1230	HNO3	Groundwater	✔		
	24080170-027	8/21/24 1123	HNO3	Groundwater	✔		
	24080170-028	8/21/24 1055	HNO3	Groundwater	✔		
	24080170-029	8/21/24 1240	HNO3	Aqueous	✔	✔	✔
	24080170-030	8/20/24 1019	HNO3	Groundwater	✔	✔	✔
	24080170-031	8/21/24 1245	HNO3	Aqueous	✔	✔	✔
			HNO3	Groundwater			
			HNO3	Groundwater			

*Relinquished By	Date/Time	Received By	Date/Time
Brian Adams	8/22/24 1700	M. Timothe	8/22/24 1915

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SubCocRevA
3/2/2016

Erika Jordan

From: Elizabeth A. Hurley <EHurley@TekLabInc.com>
Sent: Thursday, September 12, 2024 3:25 PM
To: Erika Jordan
Subject: RE: Eurofins TestAmerica sample confirmation files from 160-55181-1 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,

Collection dates/times have been reviewed against the field file. Please update 24080170-028 from 8/21/24 at 1055 to 1054.

Thanks!

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

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From: Erika Jordan <TALS@reports.et.eurofinsus.com>
Sent: Thursday, August 22, 2024 7:36 PM
To: Elizabeth A. Hurley <EHurley@TekLabInc.com>
Subject: Eurofins TestAmerica sample confirmation files from 160-55181-1 Radium-226 and Radium-228

Hi Elizabeth!

Attached please find the sample confirmation files for job 160-55181-1; Radium-226 and Radium-228

I updated the login, since I noticed that the 903/904 methods were omitted for several samples. On those samples the Ra226/228 combined calculation is the only thing checked on the COC. Is that all you want reported is the combined calculation?

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 and have a nice day!

Erika Jordan
Project Manager

Eurofins St. Louis

E-mail: erika.jordan@et.eurofinsus.com
www.eurofinsus.com/env



Reference: [160-303724]
Attachments: 1

> > Bank information has changed, please refer to remittance information on invoice. < <

Login Sample Receipt Checklist

Client: TekLab, Inc

Job Number: 160-55181-1
SDG Number: 24080170

Login Number: 55181
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	

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: 160-55181-1
SDG: 24080170

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: 160-55181-1
SDG: 24080170

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
160-55181-1	24080170-001	Water	08/19/24 10:26	08/22/24 14:15
160-55181-2	24080170-002	Water	08/19/24 10:29	08/22/24 14:15
160-55181-3	24080170-003	Water	08/19/24 11:32	08/22/24 14:15
160-55181-4	24080170-004	Water	08/19/24 12:21	08/22/24 14:15
160-55181-5	24080170-005	Water	08/19/24 13:26	08/22/24 14:15
160-55181-6	24080170-006	Water	08/20/24 11:14	08/22/24 14:15
160-55181-7	24080170-007	Water	08/20/24 09:48	08/22/24 14:15
160-55181-8	24080170-008	Water	08/20/24 10:11	08/22/24 14:15
160-55181-9	24080170-009	Water	08/20/24 10:19	08/22/24 14:15
160-55181-10	24080170-011	Water	08/19/24 12:37	08/22/24 14:15
160-55181-11	24080170-012	Water	08/19/24 11:43	08/22/24 14:15
160-55181-12	24080170-013	Water	08/20/24 10:57	08/22/24 14:15
160-55181-13	24080170-014	Water	08/20/24 12:56	08/22/24 14:15
160-55181-14	24080170-015	Water	08/21/24 11:18	08/22/24 14:15
160-55181-15	24080170-016	Water	08/20/24 11:47	08/22/24 14:15
160-55181-16	24080170-017	Water	08/21/24 10:19	08/22/24 14:15
160-55181-17	24080170-018	Water	08/21/24 10:25	08/22/24 14:15
160-55181-18	24080170-019	Water	08/20/24 12:02	08/22/24 14:15
160-55181-19	24080170-020	Water	08/20/24 10:09	08/22/24 14:15
160-55181-20	24080170-021	Water	08/21/24 12:17	08/22/24 14:15
160-55181-21	24080170-022	Water	08/21/24 10:01	08/22/24 14:15
160-55181-22	24080170-023	Water	08/20/24 12:48	08/22/24 14:15
160-55181-23	24080170-024	Water	08/21/24 11:26	08/22/24 14:15
160-55181-24	24080170-025	Water	08/20/24 11:56	08/22/24 14:15
160-55181-25	24080170-026	Water	08/21/24 12:30	08/22/24 14:15
160-55181-26	24080170-027	Water	08/21/24 11:23	08/22/24 14:15
160-55181-27	24080170-028	Water	08/21/24 10:54	08/22/24 14:15
160-55181-28	24080170-029	Water	08/21/24 12:40	08/22/24 14:15
160-55181-29	24080170-030	Water	08/20/24 10:19	08/22/24 14:15
160-55181-30	24080170-031	Water	08/21/24 12:45	08/22/24 14:15

Client Sample Results

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

Job ID: 160-55181-1
SDG: 24080170

Client Sample ID: 24080170-001
Date Collected: 08/19/24 10:26
Date Received: 08/22/24 14:15

Lab Sample ID: 160-55181-1
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	0.214	U	0.171	0.173	1.00	0.248	pCi/L	08/26/24 08:22	09/17/24 07:40	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.3*		*30 - 110*	*08/26/24 08:22*	*09/17/24 07:40*	*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	**0.597**		0.365	0.369	1.00	0.527	pCi/L	08/26/24 08:25	09/16/24 12:54	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.3*		*30 - 110*	*08/26/24 08:25*	*09/16/24 12:54*	*1*
Y Carrier	*84.9*		*30 - 110*	*08/26/24 08:25*	*09/16/24 12:54*	*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	**0.811**		0.403	0.408	5.00	0.527	pCi/L		09/17/24 09:55	1

Client Sample ID: 24080170-002
Date Collected: 08/19/24 10:29
Date Received: 08/22/24 14:15

Lab Sample ID: 160-55181-2
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	**0.398**		0.228	0.230	1.00	0.259	pCi/L	08/26/24 08:22	09/17/24 07:40	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.3*		*30 - 110*	*08/26/24 08:22*	*09/17/24 07:40*	*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	0.133	U	0.443	0.444	1.00	0.801	pCi/L	08/26/24 08:25	09/16/24 12:54	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.3*		*30 - 110*	*08/26/24 08:25*	*09/16/24 12:54*	*1*
Y Carrier	*72.9*		*30 - 110*	*08/26/24 08:25*	*09/16/24 12:54*	*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	0.530	U	0.498	0.500	5.00	0.801	pCi/L		09/17/24 09:55	1

Client Sample Results

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

Job ID: 160-55181-1
SDG: 24080170

Client Sample ID: 24080170-003
Date Collected: 08/19/24 11:32
Date Received: 08/22/24 14:15

Lab Sample ID: 160-55181-3
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	0.158	U	0.171	0.171	1.00	0.273	pCi/L	08/26/24 08:22	09/17/24 07:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.3*		*30 - 110*	*08/26/24 08:22*	*09/17/24 07:43*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0487	U	0.288	0.288	1.00	0.533	pCi/L	08/26/24 08:25	09/16/24 12:54	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.3*		*30 - 110*	*08/26/24 08:25*	*09/16/24 12:54*	*1*
Y Carrier	*83.4*		*30 - 110*	*08/26/24 08:25*	*09/16/24 12:54*	*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	0.206	U	0.335	0.335	5.00	0.533	pCi/L		09/17/24 09:55	1

Client Sample ID: 24080170-004
Date Collected: 08/19/24 12:21
Date Received: 08/22/24 14:15

Lab Sample ID: 160-55181-4
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	0.237	U	0.190	0.192	1.00	0.281	pCi/L	08/26/24 08:22	09/17/24 07:44	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.6*		*30 - 110*	*08/26/24 08:22*	*09/17/24 07:44*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.0186	U	0.263	0.263	1.00	0.507	pCi/L	08/26/24 08:25	09/16/24 12:54	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.6*		*30 - 110*	*08/26/24 08:25*	*09/16/24 12:54*	*1*
Y Carrier	*84.5*		*30 - 110*	*08/26/24 08:25*	*09/16/24 12:54*	*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	0.237	U	0.324	0.326	5.00	0.507	pCi/L		09/17/24 09:55	1

Client Sample Results

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

Job ID: 160-55181-1
SDG: 24080170

Client Sample ID: 24080170-005
Date Collected: 08/19/24 13:26
Date Received: 08/22/24 14:15

Lab Sample ID: 160-55181-5
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	0.325	U	0.288	0.289	1.00	0.438	pCi/L	08/26/24 08:22	09/17/24 07:44	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*77.4*		*30 - 110*	*08/26/24 08:22*	*09/17/24 07:44*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.274	U	0.447	0.447	1.00	0.908	pCi/L	08/26/24 08:25	09/16/24 12:50	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*77.4*		*30 - 110*	*08/26/24 08:25*	*09/16/24 12:50*	*1*
Y Carrier	*84.9*		*30 - 110*	*08/26/24 08:25*	*09/16/24 12:50*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.325	U	0.532	0.532	5.00	0.908	pCi/L		09/17/24 09:55	1

Client Sample ID: 24080170-006
Date Collected: 08/20/24 11:14
Date Received: 08/22/24 14:15

Lab Sample ID: 160-55181-6
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	0.261	U	0.344	0.345	1.00	0.576	pCi/L	08/26/24 08:22	09/17/24 07:44	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.8*		*30 - 110*	*08/26/24 08:22*	*09/17/24 07:44*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.346	U	0.560	0.561	1.00	0.960	pCi/L	08/26/24 08:25	09/16/24 12:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.8*		*30 - 110*	*08/26/24 08:25*	*09/16/24 12:51*	*1*
Y Carrier	*89.0*		*30 - 110*	*08/26/24 08:25*	*09/16/24 12:51*	*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	0.607	U	0.657	0.659	5.00	0.960	pCi/L		09/17/24 09:55	1

Client Sample Results

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

Job ID: 160-55181-1
SDG: 24080170

Client Sample ID: 24080170-007
Date Collected: 08/20/24 09:48
Date Received: 08/22/24 14:15

Lab Sample ID: 160-55181-7
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	0.973		0.347	0.358	1.00	0.323	pCi/L	08/26/24 08:22	09/17/24 07:44	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.0*		*30 - 110*	*08/26/24 08:22*	*09/17/24 07:44*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.48		0.630	0.645	1.00	0.839	pCi/L	08/26/24 08:25	09/16/24 12:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.0*		*30 - 110*	*08/26/24 08:25*	*09/16/24 12:51*	*1*
Y Carrier	*82.2*		*30 - 110*	*08/26/24 08:25*	*09/16/24 12:51*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	2.46		0.719	0.738	5.00	0.839	pCi/L		09/17/24 09:55	1

Client Sample ID: 24080170-008
Date Collected: 08/20/24 10:11
Date Received: 08/22/24 14:15

Lab Sample ID: 160-55181-8
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	0.257		0.181	0.182	1.00	0.246	pCi/L	08/26/24 08:22	09/17/24 07:44	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.3*		*30 - 110*	*08/26/24 08:22*	*09/17/24 07:44*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.611	U	0.441	0.444	1.00	0.673	pCi/L	08/26/24 08:25	09/16/24 12:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.3*		*30 - 110*	*08/26/24 08:25*	*09/16/24 12:51*	*1*
Y Carrier	*77.0*		*30 - 110*	*08/26/24 08:25*	*09/16/24 12:51*	*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	0.868		0.477	0.480	5.00	0.673	pCi/L		09/17/24 09:55	1

Client Sample Results

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

Job ID: 160-55181-1
SDG: 24080170

Client Sample ID: 24080170-009
Date Collected: 08/20/24 10:19
Date Received: 08/22/24 14:15

Lab Sample ID: 160-55181-9
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	0.119	U	0.137	0.138	1.00	0.221	pCi/L	08/26/24 08:22	09/17/24 07:45	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.9*		*30 - 110*	*08/26/24 08:22*	*09/17/24 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	0.321	U	0.313	0.315	1.00	0.502	pCi/L	08/26/24 08:25	09/16/24 12:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.9*		*30 - 110*	*08/26/24 08:25*	*09/16/24 12:51*	*1*
Y Carrier	*86.7*		*30 - 110*	*08/26/24 08:25*	*09/16/24 12:51*	*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	0.440	U	0.342	0.344	5.00	0.502	pCi/L		09/17/24 09:55	1

Client Sample ID: 24080170-011
Date Collected: 08/19/24 12:37
Date Received: 08/22/24 14:15

Lab Sample ID: 160-55181-10
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	0.0542	U	0.181	0.181	1.00	0.335	pCi/L	08/26/24 08:22	09/17/24 07:45	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.6*		*30 - 110*	*08/26/24 08:22*	*09/17/24 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	0.202	U	0.359	0.359	1.00	0.617	pCi/L	08/26/24 08:25	09/16/24 12:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.6*		*30 - 110*	*08/26/24 08:25*	*09/16/24 12:51*	*1*
Y Carrier	*77.4*		*30 - 110*	*08/26/24 08:25*	*09/16/24 12:51*	*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	0.256	U	0.402	0.402	5.00	0.617	pCi/L		09/17/24 09:55	1

Client Sample Results

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

Job ID: 160-55181-1
SDG: 24080170

Client Sample ID: 24080170-012
Date Collected: 08/19/24 11:43
Date Received: 08/22/24 14:15

Lab Sample ID: 160-55181-11
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	0.428		0.252	0.255	1.00	0.306	pCi/L	08/26/24 08:22	09/17/24 07:45	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*79.4*		*30 - 110*	*08/26/24 08:22*	*09/17/24 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	0.419	U	0.518	0.519	1.00	0.858	pCi/L	08/26/24 08:25	09/16/24 12:52	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*79.4*		*30 - 110*	*08/26/24 08:25*	*09/16/24 12:52*	*1*
Y Carrier	*83.7*		*30 - 110*	*08/26/24 08:25*	*09/16/24 12:52*	*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	0.847	U	0.576	0.578	5.00	0.858	pCi/L		09/17/24 09:55	1

Client Sample ID: 24080170-013
Date Collected: 08/20/24 10:57
Date Received: 08/22/24 14:15

Lab Sample ID: 160-55181-12
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	0.491		0.233	0.238	1.00	0.276	pCi/L	08/26/24 08:22	09/17/24 07:45	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.7*		*30 - 110*	*08/26/24 08:22*	*09/17/24 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	0.546		0.336	0.340	1.00	0.487	pCi/L	08/26/24 08:25	09/16/24 12:52	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.7*		*30 - 110*	*08/26/24 08:25*	*09/16/24 12:52*	*1*
Y Carrier	*84.9*		*30 - 110*	*08/26/24 08:25*	*09/16/24 12:52*	*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	1.04		0.409	0.415	5.00	0.487	pCi/L		09/17/24 09:55	1

Client Sample Results

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

Job ID: 160-55181-1
SDG: 24080170

Client Sample ID: 24080170-014
Date Collected: 08/20/24 12:56
Date Received: 08/22/24 14:15

Lab Sample ID: 160-55181-13
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	**0.469**		0.209	0.214	1.00	0.225	pCi/L	08/26/24 08:22	09/17/24 07:45	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.9*		*30 - 110*	*08/26/24 08:22*	*09/17/24 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	0.324	U	0.315	0.317	1.00	0.502	pCi/L	08/26/24 08:25	09/16/24 12:52	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.9*		*30 - 110*	*08/26/24 08:25*	*09/16/24 12:52*	*1*
Y Carrier	*77.8*		*30 - 110*	*08/26/24 08:25*	*09/16/24 12:52*	*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	**0.793**		0.378	0.382	5.00	0.502	pCi/L		09/17/24 09:55	1

Client Sample ID: 24080170-015
Date Collected: 08/21/24 11:18
Date Received: 08/22/24 14:15

Lab Sample ID: 160-55181-14
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	0.0286	U	0.158	0.158	1.00	0.303	pCi/L	08/26/24 08:22	09/17/24 07:45	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.6*		*30 - 110*	*08/26/24 08:22*	*09/17/24 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	**0.599**		0.356	0.360	1.00	0.513	pCi/L	08/26/24 08:25	09/16/24 12:52	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.6*		*30 - 110*	*08/26/24 08:25*	*09/16/24 12:52*	*1*
Y Carrier	*87.1*		*30 - 110*	*08/26/24 08:25*	*09/16/24 12:52*	*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	**0.628**		0.389	0.393	5.00	0.513	pCi/L		09/17/24 09:55	1

Client Sample Results

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

Job ID: 160-55181-1
SDG: 24080170

Client Sample ID: 24080170-016

Lab Sample ID: 160-55181-15
Date Collected: 08/20/24 11:47
Matrix: Water
Date Received: 08/22/24 14:15

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.165	U	0.192	0.193	1.00	0.315	pCi/L	08/26/24 08:22	09/17/24 07:45	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*101*		*30 - 110*	*08/26/24 08:22*	*09/17/24 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	0.284	U	0.301	0.302	1.00	0.489	pCi/L	08/26/24 08:25	09/16/24 12:52	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*101*		*30 - 110*	*08/26/24 08:25*	*09/16/24 12:52*	*1*
Y Carrier	*88.2*		*30 - 110*	*08/26/24 08:25*	*09/16/24 12:52*	*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	0.450	U	0.357	0.358	5.00	0.489	pCi/L		09/17/24 09:55	1

Client Sample ID: 24080170-017

Lab Sample ID: 160-55181-16
Date Collected: 08/21/24 10:19
Matrix: Water
Date Received: 08/22/24 14:15

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.200	U	0.190	0.191	1.00	0.295	pCi/L	08/26/24 08:11	09/17/24 09:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.3*		*30 - 110*	*08/26/24 08:11*	*09/17/24 09:51*	*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	0.419	U	0.452	0.454	1.00	0.737	pCi/L	08/26/24 08:19	09/16/24 12:47	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.3*		*30 - 110*	*08/26/24 08:19*	*09/16/24 12:47*	*1*
Y Carrier	*72.9*		*30 - 110*	*08/26/24 08:19*	*09/16/24 12:47*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.619	U	0.490	0.493	5.00	0.737	pCi/L		09/17/24 09:55	1

Client Sample Results

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

Job ID: 160-55181-1
SDG: 24080170

Client Sample ID: 24080170-018
Date Collected: 08/21/24 10:25
Date Received: 08/22/24 14:15

Lab Sample ID: 160-55181-17
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	0.271		0.171	0.173	1.00	0.221	pCi/L	08/26/24 08:11	09/17/24 09:51	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	93.4		30 - 110	08/26/24 08:11	09/17/24 09:51	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	0.648	U	0.463	0.467	1.00	0.712	pCi/L	08/26/24 08:19	09/16/24 12:48	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	93.4		30 - 110	08/26/24 08:19	09/16/24 12:48	1
Y Carrier	76.6		30 - 110	08/26/24 08:19	09/16/24 12:48	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.919		0.494	0.498	5.00	0.712	pCi/L		09/17/24 09:55	1

Client Sample ID: 24080170-019
Date Collected: 08/20/24 12:02
Date Received: 08/22/24 14:15

Lab Sample ID: 160-55181-18
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	0.0641	U	0.128	0.128	1.00	0.232	pCi/L	08/26/24 08:11	09/17/24 09:51	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	90.4		30 - 110	08/26/24 08:11	09/17/24 09:51	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	0.628		0.383	0.388	1.00	0.557	pCi/L	08/26/24 08:19	09/16/24 12:48	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	90.4		30 - 110	08/26/24 08:19	09/16/24 12:48	1
Y Carrier	80.7		30 - 110	08/26/24 08:19	09/16/24 12:48	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.692		0.404	0.409	5.00	0.557	pCi/L		09/17/24 09:55	1

Client Sample Results

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

Job ID: 160-55181-1
SDG: 24080170

Client Sample ID: 24080170-020
Date Collected: 08/20/24 10:09
Date Received: 08/22/24 14:15

Lab Sample ID: 160-55181-19
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	0.176	U	0.159	0.160	1.00	0.239	pCi/L	08/26/24 08:11	09/17/24 09:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.8*		*30 - 110*	*08/26/24 08:11*	*09/17/24 09:51*	*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	0.621	U	0.417	0.421	1.00	0.628	pCi/L	08/26/24 08:19	09/16/24 12:42	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.8*		*30 - 110*	*08/26/24 08:19*	*09/16/24 12:42*	*1*
Y Carrier	*79.6*		*30 - 110*	*08/26/24 08:19*	*09/16/24 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	**0.797**		0.446	0.450	5.00	0.628	pCi/L		09/17/24 09:55	1

Client Sample ID: 24080170-021
Date Collected: 08/21/24 12:17
Date Received: 08/22/24 14:15

Lab Sample ID: 160-55181-20
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	0.211	U	0.162	0.163	1.00	0.227	pCi/L	08/26/24 08:11	09/17/24 09:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.4*		*30 - 110*	*08/26/24 08:11*	*09/17/24 09:51*	*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	0.468	U	0.377	0.380	1.00	0.586	pCi/L	08/26/24 08:19	09/16/24 12:42	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.4*		*30 - 110*	*08/26/24 08:19*	*09/16/24 12:42*	*1*
Y Carrier	*78.1*		*30 - 110*	*08/26/24 08:19*	*09/16/24 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	**0.679**		0.410	0.413	5.00	0.586	pCi/L		09/18/24 13:57	1

Client Sample Results

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

Job ID: 160-55181-1
SDG: 24080170

Client Sample ID: 24080170-022
Date Collected: 08/21/24 10:01
Date Received: 08/22/24 14:15

Lab Sample ID: 160-55181-21
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	0.539		0.338	0.342	1.00	0.471	pCi/L	08/26/24 08:11	09/17/24 09:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.0*		*30 - 110*	*08/26/24 08:11*	*09/17/24 09:51*	*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	0.559	U	0.563	0.566	1.00	0.910	pCi/L	08/26/24 08:19	09/16/24 12:42	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.0*		*30 - 110*	*08/26/24 08:19*	*09/16/24 12:42*	*1*
Y Carrier	*79.3*		*30 - 110*	*08/26/24 08:19*	*09/16/24 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	1.10		0.657	0.661	5.00	0.910	pCi/L		09/18/24 13:57	1

Client Sample ID: 24080170-023
Date Collected: 08/20/24 12:48
Date Received: 08/22/24 14:15

Lab Sample ID: 160-55181-22
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	0.193	U	0.145	0.146	1.00	0.198	pCi/L	08/26/24 08:11	09/17/24 09:52	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.6*		*30 - 110*	*08/26/24 08:11*	*09/17/24 09:52*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.150	U	0.302	0.302	1.00	0.526	pCi/L	08/26/24 08:19	09/16/24 12:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.6*		*30 - 110*	*08/26/24 08:19*	*09/16/24 12:43*	*1*
Y Carrier	*82.2*		*30 - 110*	*08/26/24 08:19*	*09/16/24 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	0.343	U	0.335	0.335	5.00	0.526	pCi/L		09/18/24 13:57	1

Client Sample Results

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

Job ID: 160-55181-1
SDG: 24080170

Client Sample ID: 24080170-024
Date Collected: 08/21/24 11:26
Date Received: 08/22/24 14:15

Lab Sample ID: 160-55181-23
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	0.350		0.222	0.224	1.00	0.299	pCi/L	08/26/24 08:11	09/17/24 09:52	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.0*		*30 - 110*	*08/26/24 08:11*	*09/17/24 09:52*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.944		0.430	0.439	1.00	0.571	pCi/L	08/26/24 08:19	09/16/24 12:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.0*		*30 - 110*	*08/26/24 08:19*	*09/16/24 12:43*	*1*
Y Carrier	*81.5*		*30 - 110*	*08/26/24 08:19*	*09/16/24 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	1.29		0.484	0.493	5.00	0.571	pCi/L		09/18/24 13:57	1

Client Sample ID: 24080170-025
Date Collected: 08/20/24 11:56
Date Received: 08/22/24 14:15

Lab Sample ID: 160-55181-24
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	0.287		0.174	0.176	1.00	0.220	pCi/L	08/26/24 08:11	09/17/24 09:52	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.7*		*30 - 110*	*08/26/24 08:11*	*09/17/24 09:52*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.44		0.449	0.468	1.00	0.516	pCi/L	08/26/24 08:19	09/16/24 12:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.7*		*30 - 110*	*08/26/24 08:19*	*09/16/24 12:43*	*1*
Y Carrier	*84.9*		*30 - 110*	*08/26/24 08:19*	*09/16/24 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	1.73		0.482	0.500	5.00	0.516	pCi/L		09/18/24 13:57	1

Client Sample Results

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

Job ID: 160-55181-1
SDG: 24080170

Client Sample ID: 24080170-026
Date Collected: 08/21/24 12:30
Date Received: 08/22/24 14:15

Lab Sample ID: 160-55181-25
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	0.474		0.238	0.242	1.00	0.303	pCi/L	08/26/24 08:11	09/17/24 09:52	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.8*		*30 - 110*	*08/26/24 08:11*	*09/17/24 09:52*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.913		0.427	0.435	1.00	0.563	pCi/L	08/26/24 08:19	09/16/24 12:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.8*		*30 - 110*	*08/26/24 08:19*	*09/16/24 12:43*	*1*
Y Carrier	*78.1*		*30 - 110*	*08/26/24 08:19*	*09/16/24 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	1.39		0.489	0.498	5.00	0.563	pCi/L		09/18/24 13:57	1

Client Sample ID: 24080170-027
Date Collected: 08/21/24 11:23
Date Received: 08/22/24 14:15

Lab Sample ID: 160-55181-26
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	0.0332	U	0.175	0.175	1.00	0.330	pCi/L	08/26/24 08:11	09/17/24 09:52	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.9*		*30 - 110*	*08/26/24 08:11*	*09/17/24 09:52*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.198	U	0.297	0.297	1.00	0.503	pCi/L	08/26/24 08:19	09/16/24 12:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.9*		*30 - 110*	*08/26/24 08:19*	*09/16/24 12:43*	*1*
Y Carrier	*86.7*		*30 - 110*	*08/26/24 08:19*	*09/16/24 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	0.231	U	0.345	0.345	5.00	0.503	pCi/L		09/18/24 13:57	1

Client Sample Results

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

Job ID: 160-55181-1
SDG: 24080170

Client Sample ID: 24080170-028
Date Collected: 08/21/24 10:54
Date Received: 08/22/24 14:15

Lab Sample ID: 160-55181-27
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	0.408		0.242	0.245	1.00	0.332	pCi/L	08/26/24 08:11	09/17/24 09:52	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.6*		*30 - 110*	*08/26/24 08:11*	*09/17/24 09:52*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.641	U	0.427	0.431	1.00	0.642	pCi/L	08/26/24 08:19	09/16/24 12:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.6*		*30 - 110*	*08/26/24 08:19*	*09/16/24 12:43*	*1*
Y Carrier	*76.6*		*30 - 110*	*08/26/24 08:19*	*09/16/24 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	1.05		0.491	0.496	5.00	0.642	pCi/L		09/18/24 13:57	1

Client Sample ID: 24080170-029
Date Collected: 08/21/24 12:40
Date Received: 08/22/24 14:15

Lab Sample ID: 160-55181-28
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	0.105	U	0.130	0.130	1.00	0.213	pCi/L	08/26/24 08:11	09/17/24 09:47	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*96.4*		*30 - 110*	*08/26/24 08:11*	*09/17/24 09:47*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.00912	U	0.291	0.291	1.00	0.544	pCi/L	08/26/24 08:19	09/16/24 12:44	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*96.4*		*30 - 110*	*08/26/24 08:19*	*09/16/24 12:44*	*1*
Y Carrier	*79.3*		*30 - 110*	*08/26/24 08:19*	*09/16/24 12:44*	*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	0.114	U	0.319	0.319	5.00	0.544	pCi/L		09/18/24 13:57	1

Client Sample Results

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

Job ID: 160-55181-1
SDG: 24080170

Client Sample ID: 24080170-030
Date Collected: 08/20/24 10:19
Date Received: 08/22/24 14:15

Lab Sample ID: 160-55181-29
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	0.0745	U	0.105	0.105	1.00	0.178	pCi/L	08/26/24 08:11	09/17/24 09:47	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*98.0*		*30 - 110*	*08/26/24 08:11*	*09/17/24 09:47*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.490**		0.311	0.314	1.00	0.451	pCi/L	08/26/24 08:19	09/16/24 12:44	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*98.0*		*30 - 110*	*08/26/24 08:19*	*09/16/24 12:44*	*1*
Y Carrier	*84.5*		*30 - 110*	*08/26/24 08:19*	*09/16/24 12:44*	*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	**0.565**		0.328	0.331	5.00	0.451	pCi/L		09/18/24 13:57	1

Client Sample ID: 24080170-031
Date Collected: 08/21/24 12:45
Date Received: 08/22/24 14:15

Lab Sample ID: 160-55181-30
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	0.135	U	0.141	0.141	1.00	0.219	pCi/L	08/26/24 08:11	09/17/24 09:47	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.4*		*30 - 110*	*08/26/24 08:11*	*09/17/24 09:47*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.395	U	0.310	0.313	1.00	0.473	pCi/L	08/26/24 08:19	09/16/24 12:44	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.4*		*30 - 110*	*08/26/24 08:19*	*09/16/24 12:44*	*1*
Y Carrier	*83.7*		*30 - 110*	*08/26/24 08:19*	*09/16/24 12:44*	*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	**0.530**		0.341	0.343	5.00	0.473	pCi/L		09/18/24 13:58	1

QC Sample Results

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

Job ID: 160-55181-1
SDG: 24080170

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-676618/1-A
Matrix: Water
Analysis Batch: 679726

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 676618

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.07409	U	0.136	0.137	1.00	0.242	pCi/L	08/26/24 08:11	09/17/24 09:51	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	97.2		30 - 110	08/26/24 08:11	09/17/24 09:51	1

Lab Sample ID: LCS 160-676618/2-A
Matrix: Water
Analysis Batch: 679726

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 676618

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226	9.58	7.907		1.03	1.00	0.264	pCi/L	83	75 - 125

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	93.9		30 - 110

Lab Sample ID: 160-55181-16 DU
Matrix: Water
Analysis Batch: 679726

Client Sample ID: 24080170-017
Prep Type: Total/NA
Prep Batch: 676618

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Radium-226	0.200	U	0.03772	U	0.152	1.00	0.291	pCi/L	0.47	1

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	84.8		30 - 110

Lab Sample ID: MB 160-676621/1-A
Matrix: Water
Analysis Batch: 679727

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 676621

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.1893	U	0.152	0.153	1.00	0.217	pCi/L	08/26/24 08:22	09/17/24 07:38	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	92.6		30 - 110	08/26/24 08:22	09/17/24 07:38	1

Lab Sample ID: LCS 160-676621/2-A
Matrix: Water
Analysis Batch: 679727

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 676621

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226	9.58	8.874		1.12	1.00	0.194	pCi/L	93	75 - 125

QC Sample Results

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

Job ID: 160-55181-1
SDG: 24080170

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

Lab Sample ID: LCS 160-676621/2-A
Matrix: Water
Analysis Batch: 679727

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 676621

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	93.7		30 - 110

Lab Sample ID: 160-55181-8 DU
Matrix: Water
Analysis Batch: 679726

Client Sample ID: 24080170-008
Prep Type: Total/NA
Prep Batch: 676621

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Radium-226	0.257		0.3984		0.203	1.00	0.233	pCi/L	0.37	1

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	94.2		30 - 110

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-676619/1-A
Matrix: Water
Analysis Batch: 679564

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 676619

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.3152	U	0.297	0.298	1.00	0.471	pCi/L	08/26/24 08:19	09/16/24 12:47	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	97.2		30 - 110	08/26/24 08:19	09/16/24 12:47	1
Y Carrier	84.5		30 - 110	08/26/24 08:19	09/16/24 12:47	1

Lab Sample ID: LCS 160-676619/2-A
Matrix: Water
Analysis Batch: 679564

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 676619

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228	8.51	8.827		1.24	1.00	0.526	pCi/L	104	75 - 125

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	93.9		30 - 110
Y Carrier	85.6		30 - 110

Lab Sample ID: 160-55181-16 DU
Matrix: Water
Analysis Batch: 679564

Client Sample ID: 24080170-017
Prep Type: Total/NA
Prep Batch: 676619

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Radium-228	0.419	U	0.3931	U	0.419	1.00	0.678	pCi/L	0.03	1

QC Sample Results

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

Job ID: 160-55181-1
SDG: 24080170

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

Lab Sample ID: 160-55181-16 DU
Matrix: Water
Analysis Batch: 679564

Client Sample ID: 24080170-017
Prep Type: Total/NA
Prep Batch: 676619

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	84.8		30 - 110
Y Carrier	76.3		30 - 110

Lab Sample ID: MB 160-676622/1-A
Matrix: Water
Analysis Batch: 679565

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 676622

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.07314	U	0.262	0.262	1.00	0.476	pCi/L	08/26/24 08:25	09/16/24 12:53	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	92.6		30 - 110	08/26/24 08:25	09/16/24 12:53	1
Y Carrier	85.6		30 - 110	08/26/24 08:25	09/16/24 12:53	1

Lab Sample ID: LCS 160-676622/2-A
Matrix: Water
Analysis Batch: 679565

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 676622

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228	8.51	8.108		1.16	1.00	0.490	pCi/L	95	75 - 125

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	93.7		30 - 110
Y Carrier	84.5		30 - 110

Lab Sample ID: 160-55181-8 DU
Matrix: Water
Analysis Batch: 679564

Client Sample ID: 24080170-008
Prep Type: Total/NA
Prep Batch: 676622

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Radium-228	0.611	U	0.01416	U	0.297	1.00	0.555	pCi/L	0.81	1

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	94.2		30 - 110
Y Carrier	80.7		30 - 110

QC Association Summary

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

Job ID: 160-55181-1
SDG: 24080170

Rad

Prep Batch: 676618

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-55181-16	24080170-017	Total/NA	Water	PrecSep-21	
160-55181-17	24080170-018	Total/NA	Water	PrecSep-21	
160-55181-18	24080170-019	Total/NA	Water	PrecSep-21	
160-55181-19	24080170-020	Total/NA	Water	PrecSep-21	
160-55181-20	24080170-021	Total/NA	Water	PrecSep-21	
160-55181-21	24080170-022	Total/NA	Water	PrecSep-21	
160-55181-22	24080170-023	Total/NA	Water	PrecSep-21	
160-55181-23	24080170-024	Total/NA	Water	PrecSep-21	
160-55181-24	24080170-025	Total/NA	Water	PrecSep-21	
160-55181-25	24080170-026	Total/NA	Water	PrecSep-21	
160-55181-26	24080170-027	Total/NA	Water	PrecSep-21	
160-55181-27	24080170-028	Total/NA	Water	PrecSep-21	
160-55181-28	24080170-029	Total/NA	Water	PrecSep-21	
160-55181-29	24080170-030	Total/NA	Water	PrecSep-21	
160-55181-30	24080170-031	Total/NA	Water	PrecSep-21	
MB 160-676618/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-676618/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
160-55181-16 DU	24080170-017	Total/NA	Water	PrecSep-21	

Prep Batch: 676619

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-55181-16	24080170-017	Total/NA	Water	PrecSep_0	
160-55181-17	24080170-018	Total/NA	Water	PrecSep_0	
160-55181-18	24080170-019	Total/NA	Water	PrecSep_0	
160-55181-19	24080170-020	Total/NA	Water	PrecSep_0	
160-55181-20	24080170-021	Total/NA	Water	PrecSep_0	
160-55181-21	24080170-022	Total/NA	Water	PrecSep_0	
160-55181-22	24080170-023	Total/NA	Water	PrecSep_0	
160-55181-23	24080170-024	Total/NA	Water	PrecSep_0	
160-55181-24	24080170-025	Total/NA	Water	PrecSep_0	
160-55181-25	24080170-026	Total/NA	Water	PrecSep_0	
160-55181-26	24080170-027	Total/NA	Water	PrecSep_0	
160-55181-27	24080170-028	Total/NA	Water	PrecSep_0	
160-55181-28	24080170-029	Total/NA	Water	PrecSep_0	
160-55181-29	24080170-030	Total/NA	Water	PrecSep_0	
160-55181-30	24080170-031	Total/NA	Water	PrecSep_0	
MB 160-676619/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-676619/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
160-55181-16 DU	24080170-017	Total/NA	Water	PrecSep_0	

Prep Batch: 676621

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-55181-1	24080170-001	Total/NA	Water	PrecSep-21	
160-55181-2	24080170-002	Total/NA	Water	PrecSep-21	
160-55181-3	24080170-003	Total/NA	Water	PrecSep-21	
160-55181-4	24080170-004	Total/NA	Water	PrecSep-21	
160-55181-5	24080170-005	Total/NA	Water	PrecSep-21	
160-55181-6	24080170-006	Total/NA	Water	PrecSep-21	
160-55181-7	24080170-007	Total/NA	Water	PrecSep-21	
160-55181-8	24080170-008	Total/NA	Water	PrecSep-21	
160-55181-9	24080170-009	Total/NA	Water	PrecSep-21	

QC Association Summary

Rad (Continued)

Prep Batch: 676621 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-55181-10	24080170-011	Total/NA	Water	PrecSep-21	
160-55181-11	24080170-012	Total/NA	Water	PrecSep-21	
160-55181-12	24080170-013	Total/NA	Water	PrecSep-21	
160-55181-13	24080170-014	Total/NA	Water	PrecSep-21	
160-55181-14	24080170-015	Total/NA	Water	PrecSep-21	
160-55181-15	24080170-016	Total/NA	Water	PrecSep-21	
MB 160-676621/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-676621/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
160-55181-8 DU	24080170-008	Total/NA	Water	PrecSep-21	

Prep Batch: 676622

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-55181-1	24080170-001	Total/NA	Water	PrecSep_0	
160-55181-2	24080170-002	Total/NA	Water	PrecSep_0	
160-55181-3	24080170-003	Total/NA	Water	PrecSep_0	
160-55181-4	24080170-004	Total/NA	Water	PrecSep_0	
160-55181-5	24080170-005	Total/NA	Water	PrecSep_0	
160-55181-6	24080170-006	Total/NA	Water	PrecSep_0	
160-55181-7	24080170-007	Total/NA	Water	PrecSep_0	
160-55181-8	24080170-008	Total/NA	Water	PrecSep_0	
160-55181-9	24080170-009	Total/NA	Water	PrecSep_0	
160-55181-10	24080170-011	Total/NA	Water	PrecSep_0	
160-55181-11	24080170-012	Total/NA	Water	PrecSep_0	
160-55181-12	24080170-013	Total/NA	Water	PrecSep_0	
160-55181-13	24080170-014	Total/NA	Water	PrecSep_0	
160-55181-14	24080170-015	Total/NA	Water	PrecSep_0	
160-55181-15	24080170-016	Total/NA	Water	PrecSep_0	
MB 160-676622/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-676622/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
160-55181-8 DU	24080170-008	Total/NA	Water	PrecSep_0	

Tracer/Carrier Summary

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

Job ID: 160-55181-1
SDG: 24080170

Method: 903.0 - Radium-226 (GFPC)

Matrix: Water — **Prep Type: Total/NA**

		Percent Yield (Acceptance Limits)
		Ba
Lab Sample ID	Client Sample ID	(30-110)
160-55181-1	24080170-001	88.3
160-55181-2	24080170-002	89.3
160-55181-3	24080170-003	87.3
160-55181-4	24080170-004	90.6
160-55181-5	24080170-005	77.4
160-55181-6	24080170-006	87.8
160-55181-7	24080170-007	86.0
160-55181-8	24080170-008	87.3
160-55181-8 DU	24080170-008	94.2
160-55181-9	24080170-009	95.9
160-55181-10	24080170-011	91.6
160-55181-11	24080170-012	79.4
160-55181-12	24080170-013	95.7
160-55181-13	24080170-014	93.9
160-55181-14	24080170-015	91.6
160-55181-15	24080170-016	101
160-55181-16	24080170-017	85.3
160-55181-16 DU	24080170-017	84.8
160-55181-17	24080170-018	93.4
160-55181-18	24080170-019	90.4
160-55181-19	24080170-020	88.8
160-55181-20	24080170-021	90.4
160-55181-21	24080170-022	83.0
160-55181-22	24080170-023	91.6
160-55181-23	24080170-024	84.0
160-55181-24	24080170-025	93.7
160-55181-25	24080170-026	88.8
160-55181-26	24080170-027	91.9
160-55181-27	24080170-028	90.6
160-55181-28	24080170-029	96.4
160-55181-29	24080170-030	98.0
160-55181-30	24080170-031	92.4
LCS 160-676618/2-A	Lab Control Sample	93.9
LCS 160-676621/2-A	Lab Control Sample	93.7
MB 160-676618/1-A	Method Blank	97.2
MB 160-676621/1-A	Method Blank	92.6

Tracer/Carrier Legend

Ba = Ba Carrier

Method: 904.0 - Radium-228 (GFPC)

Matrix: Water — **Prep Type: Total/NA**

		Percent Yield (Acceptance Limits)	
		Ba	Y
Lab Sample ID	Client Sample ID	(30-110)	(30-110)
160-55181-1	24080170-001	88.3	84.9
160-55181-2	24080170-002	89.3	72.9
160-55181-3	24080170-003	87.3	83.4
160-55181-4	24080170-004	90.6	84.5

Tracer/Carrier Summary

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

Job ID: 160-55181-1
SDG: 24080170

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

Matrix: Water **Prep Type: Total/NA**

		Percent Yield (Acceptance Limits)	
		Ba	Y
Lab Sample ID	Client Sample ID	(30-110)	(30-110)
160-55181-5	24080170-005	77.4	84.9
160-55181-6	24080170-006	87.8	89.0
160-55181-7	24080170-007	86.0	82.2
160-55181-8	24080170-008	87.3	77.0
160-55181-8 DU	24080170-008	94.2	80.7
160-55181-9	24080170-009	95.9	86.7
160-55181-10	24080170-011	91.6	77.4
160-55181-11	24080170-012	79.4	83.7
160-55181-12	24080170-013	95.7	84.9
160-55181-13	24080170-014	93.9	77.8
160-55181-14	24080170-015	91.6	87.1
160-55181-15	24080170-016	101	88.2
160-55181-16	24080170-017	85.3	72.9
160-55181-16 DU	24080170-017	84.8	76.3
160-55181-17	24080170-018	93.4	76.6
160-55181-18	24080170-019	90.4	80.7
160-55181-19	24080170-020	88.8	79.6
160-55181-20	24080170-021	90.4	78.1
160-55181-21	24080170-022	83.0	79.3
160-55181-22	24080170-023	91.6	82.2
160-55181-23	24080170-024	84.0	81.5
160-55181-24	24080170-025	93.7	84.9
160-55181-25	24080170-026	88.8	78.1
160-55181-26	24080170-027	91.9	86.7
160-55181-27	24080170-028	90.6	76.6
160-55181-28	24080170-029	96.4	79.3
160-55181-29	24080170-030	98.0	84.5
160-55181-30	24080170-031	92.4	83.7
LCS 160-676619/2-A	Lab Control Sample	93.9	85.6
LCS 160-676622/2-A	Lab Control Sample	93.7	84.5
MB 160-676619/1-A	Method Blank	97.2	84.5
MB 160-676622/1-A	Method Blank	92.6	85.6

Tracer/Carrier Legend

Ba = Ba Carrier
Y = Y Carrier

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

December 17, 2024

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

RE: KIN-24Q4 **WorkOrder:** 24110014

Dear Eric Bauer:

TEKLAB, INC received 26 samples for KIN_257_141 on 11/20/2024 12:00:00 PM for the analysis presented in the following report.

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

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

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

Sincerely,

Elizabeth A. Hurley

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

Report Contents

Client: Ramboll
Work Order: 24110014
Client Project: KIN-24Q4
Report Date: 17-Dec-24

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Definitions

Client: Ramboll **Work Order:** 24110014

Client Project: KIN-24Q4 **Report Date:** 17-Dec-24

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

Definitions

Client: Ramboll **Work Order:** 24110014

Client Project: KIN-24Q4 **Report Date:** 17-Dec-24

Qualifiers

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

Teklab, Inc.
Environmental Laboratory

Case Narrative

Client: Ramboll
Work Order: 24110014
Client Project: KIN-24Q4
Report Date: 17-Dec-24

Cooler Receipt Temp: 5.1 °C

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

MW-8S and MW-27 could not be collected; the wells were dry.

XSG-01 measurment date/time per field file/s. EAH 11/19/24

Equipment Blanks were not needed. SG-02 is maintained by the Plant personnel and not measured by the field sampling team. EAH 11/20/24

Per Eric Bauer's request, only KIN_257_141 data is included in this report. EAH 12/17/24

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:** 24110014

Client Project: KIN-24Q4 **Report Date:** 17-Dec-24

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2025	Collinsville
Illinois	IEPA	1004652024-2	NELAP	4/30/2025	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2025	Collinsville
Louisiana	LDEQ	05002	NELAP	6/30/2025	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2025	Collinsville
Oklahoma	ODEQ	9978	NELAP	12/31/2024	Collinsville
Arkansas	ADEQ	88-0966		3/14/2025	Collinsville
Illinois	IDPH	17584		5/31/2025	Collinsville
Iowa	IDNR	430		6/1/2026	Collinsville
Kentucky	UST	0073		1/31/2025	Collinsville
Mississippi	MSDH			4/30/2025	Collinsville
Missouri	MDNR	930		1/31/2025	Collinsville
Missouri	MDNR	00930		10/31/2026	Collinsville

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24110014

Client Project: KIN-24Q4 **Report Date:** 17-Dec-24

Lab ID: 24110014-001 **Client Sample ID:** MW-1

Matrix: GROUNDWATER **Collection Date:** 11/18/2024 11:17

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**16.04**	ft	1	11/18/2024 11:17	R356899
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**300**	NTU	1	11/18/2024 11:17	R356899
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		**93**	mV	1	11/18/2024 11:17	R356899
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**451**	µS/cm	1	11/18/2024 11:17	R356899
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**17.2**	°C	1	11/18/2024 11:17	R356899
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**2.16**	mg/L	1	11/18/2024 11:17	R356899
SW-846 9040B FIELD									
pH	*	0	1.00		**6.36**		1	11/18/2024 11:17	R356899
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**168**	mg/L	1	11/19/2024 9:26	R356417
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	11/19/2024 9:26	R356417
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**374**	mg/L	1	11/23/2024 11:14	R356657
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		**ND**	mg/L	10	11/19/2024 9:28	R356354
Chloride	NELAP	1.00	5.00		**13.6**	mg/L	10	11/19/2024 9:28	R356354
Sulfate	NELAP	3.00	10.0		**87.0**	mg/L	10	11/19/2024 9:28	R356354
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**56.6**	mg/L	1	11/20/2024 21:43	231371
Magnesium	NELAP	0.0064	0.0500		**25.6**	mg/L	1	11/22/2024 18:11	231371
Potassium	NELAP	0.0400	0.100		**0.284**	mg/L	1	11/20/2024 21:43	231371
Sodium	NELAP	0.0180	0.0500		**16.4**	mg/L	1	11/20/2024 21:43	231371
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	11/20/2024 20:37	231371
Arsenic	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	11/20/2024 20:37	231371
Barium	NELAP	0.0007	0.0010		**0.0553**	mg/L	5	11/20/2024 20:37	231371
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	11/20/2024 20:37	231371
Boron	NELAP	0.0150	0.0250		**0.300**	mg/L	5	12/11/2024 10:39	232040
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	11/20/2024 20:37	231371
Chromium	NELAP	0.0007	0.0015		**< 0.0015**	mg/L	5	11/20/2024 20:37	231371
Cobalt	NELAP	0.0001	0.0010	J	**0.0001**	mg/L	5	11/20/2024 20:37	231371
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	11/20/2024 20:37	231371
Lithium	*	0.0015	0.0030	J	**0.0019**	mg/L	5	11/20/2024 20:37	231371
Molybdenum	NELAP	0.0006	0.0015		**< 0.0015**	mg/L	5	11/20/2024 20:37	231371
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	11/20/2024 20:37	231371
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	11/20/2024 20:37	231371
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	11/20/2024 11:25	231369

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24110014

Client Project: KIN-24Q4 **Report Date:** 17-Dec-24

Lab ID: 24110014-002 **Client Sample ID:** MW-2

Matrix: GROUNDWATER **Collection Date:** 11/18/2024 10:32

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**5.63**	ft	1	11/18/2024 10:32	R356899
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**66**	NTU	1	11/18/2024 10:32	R356899
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		**-72**	mV	1	11/18/2024 10:32	R356899
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**647**	µS/cm	1	11/18/2024 10:32	R356899
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**15.3**	°C	1	11/18/2024 10:32	R356899
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**2.36**	mg/L	1	11/18/2024 10:32	R356899
SW-846 9040B FIELD									
pH	*	0	1.00		**7.04**		1	11/18/2024 10:32	R356899
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**261**	mg/L	1	11/19/2024 9:20	R356417
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	11/19/2024 9:20	R356417
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	20	25		**560**	mg/L	1.25	11/23/2024 11:14	R356657
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50	J	**0.38**	mg/L	10	11/19/2024 10:03	R356354
Chloride	NELAP	1.00	5.00		**14.2**	mg/L	10	11/19/2024 10:03	R356354
Sulfate	NELAP	3.00	10.0		**136**	mg/L	10	11/19/2024 10:03	R356354
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**97.1**	mg/L	1	11/20/2024 21:48	231371
Magnesium	NELAP	0.0064	0.0500		**33.1**	mg/L	1	11/22/2024 18:15	231371
Potassium	NELAP	0.0400	0.100		**1.37**	mg/L	1	11/20/2024 21:48	231371
Sodium	NELAP	0.0180	0.0500		**23.9**	mg/L	1	11/20/2024 21:48	231371
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	11/20/2024 19:00	231371
Arsenic	NELAP	0.0004	0.0010		**0.0015**	mg/L	5	11/20/2024 19:00	231371
Barium	NELAP	0.0007	0.0010		**0.117**	mg/L	5	11/20/2024 19:00	231371
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	11/20/2024 19:00	231371
Boron	NELAP	0.0092	0.0250		**0.0715**	mg/L	5	11/20/2024 19:00	231371
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	11/20/2024 19:00	231371
Chromium	NELAP	0.0007	0.0015	J	**0.0014**	mg/L	5	11/20/2024 19:00	231371
Cobalt	NELAP	0.0001	0.0010	J	**0.0006**	mg/L	5	11/20/2024 19:00	231371
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	11/20/2024 19:00	231371
Lithium	*	0.0015	0.0030		**0.0048**	mg/L	5	11/20/2024 19:00	231371
Molybdenum	NELAP	0.0006	0.0015		**0.0043**	mg/L	5	11/20/2024 19:00	231371
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	11/20/2024 19:00	231371
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	11/20/2024 19:00	231371
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	11/20/2024 11:28	231369

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24110014

Client Project: KIN-24Q4 **Report Date:** 17-Dec-24

Lab ID: 24110014-003 **Client Sample ID:** MW-3

Matrix: GROUNDWATER **Collection Date:** 11/18/2024 13:30

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	11/18/2024 13:30	R356899
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**1.3**	NTU	1	11/18/2024 13:30	R356899
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		**16**	mV	1	11/18/2024 13:30	R356899
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**786**	µS/cm	1	11/18/2024 13:30	R356899
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**15.7**	°C	1	11/18/2024 13:30	R356899
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.70**	mg/L	1	11/18/2024 13:30	R356899
SW-846 9040B FIELD									
pH	*	0	1.00		**6.66**		1	11/18/2024 13:30	R356899
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**346**	mg/L	1	11/19/2024 9:08	R356417
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	11/19/2024 9:08	R356417
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**606**	mg/L	1	11/23/2024 11:14	R356657
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		**ND**	mg/L	10	11/19/2024 10:38	R356354
Chloride	NELAP	1.00	5.00		**28.3**	mg/L	10	11/19/2024 10:38	R356354
Sulfate	NELAP	3.00	10.0		**126**	mg/L	10	11/19/2024 10:38	R356354
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**91.9**	mg/L	1	11/20/2024 21:50	231371
Magnesium	NELAP	0.0064	0.0500		**45.5**	mg/L	1	11/22/2024 18:17	231371
Potassium	NELAP	0.0400	0.100		**0.260**	mg/L	1	11/20/2024 21:50	231371
Sodium	NELAP	0.0180	0.0500		**43.6**	mg/L	1	11/20/2024 21:50	231371
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	11/20/2024 19:06	231371
Arsenic	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	11/20/2024 19:06	231371
Barium	NELAP	0.0007	0.0010		**0.0426**	mg/L	5	11/20/2024 19:06	231371
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	11/20/2024 19:06	231371
Boron	NELAP	0.0092	0.0250		**1.63**	mg/L	5	11/20/2024 19:06	231371
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	11/20/2024 19:06	231371
Chromium	NELAP	0.0007	0.0015		**< 0.0015**	mg/L	5	11/20/2024 19:06	231371
Cobalt	NELAP	0.0001	0.0010	J	**0.0005**	mg/L	5	11/20/2024 19:06	231371
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	11/20/2024 19:06	231371
Lithium	*	0.0015	0.0030	J	**0.0022**	mg/L	5	11/20/2024 19:06	231371
Molybdenum	NELAP	0.0006	0.0015		**< 0.0015**	mg/L	5	11/20/2024 19:06	231371
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	11/20/2024 19:06	231371
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	11/20/2024 19:06	231371
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	11/20/2024 11:30	231369

Laboratory Results

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

Client: Ramboll **Work Order:** 24110014

Client Project: KIN-24Q4 **Report Date:** 17-Dec-24

Lab ID: 24110014-004 **Client Sample ID:** MW-5

Matrix: GROUNDWATER **Collection Date:** 11/19/2024 11:40

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**26.81**	ft	1	11/19/2024 11:40	R356899
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**3.7**	NTU	1	11/19/2024 11:40	R356899
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		**24**	mV	1	11/19/2024 11:40	R356899
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1140**	µS/cm	1	11/19/2024 11:40	R356899
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**16.4**	°C	1	11/19/2024 11:40	R356899
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.93**	mg/L	1	11/19/2024 11:40	R356899
SW-846 9040B FIELD									
pH	*	0	1.00		**6.52**		1	11/19/2024 11:40	R356899
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**706**	mg/L	1	11/20/2024 11:42	R356488
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	11/20/2024 11:42	R356488
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**740**	mg/L	1	11/23/2024 11:36	R356657
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		**ND**	mg/L	10	11/20/2024 7:46	R356433
Chloride	NELAP	1.00	5.00		**42.6**	mg/L	10	11/20/2024 7:46	R356433
Sulfate	NELAP	3.00	10.0		**10.0**	mg/L	10	11/20/2024 7:46	R356433
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**161**	mg/L	1	11/21/2024 19:07	231431
Magnesium	NELAP	0.0055	0.0500		**81.9**	mg/L	1	11/21/2024 19:07	231431
Potassium	NELAP	0.0400	0.100		**0.639**	mg/L	1	11/21/2024 19:07	231431
Sodium	NELAP	0.0180	0.0500		**25.9**	mg/L	1	11/21/2024 19:07	231431
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	11/22/2024 18:16	231431
Arsenic	NELAP	0.0004	0.0010		**0.0019**	mg/L	5	11/22/2024 18:16	231431
Barium	NELAP	0.0007	0.0010		**0.245**	mg/L	5	11/22/2024 18:16	231431
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	11/22/2024 18:16	231431
Boron	NELAP	0.0092	0.0250		**0.699**	mg/L	5	11/22/2024 18:16	231431
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	11/22/2024 18:16	231431
Chromium	NELAP	0.0007	0.0015	J	**0.0007**	mg/L	5	11/22/2024 18:16	231431
Cobalt	NELAP	0.0001	0.0010		**0.0014**	mg/L	5	11/22/2024 18:16	231431
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	11/22/2024 18:16	231431
Lithium	*	0.0015	0.0030		**0.0037**	mg/L	5	11/22/2024 18:16	231431
Molybdenum	NELAP	0.0006	0.0015	J	**0.0011**	mg/L	5	11/22/2024 18:16	231431
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	11/22/2024 18:16	231431
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	11/22/2024 18:16	231431
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	11/21/2024 12:31	231451

Laboratory Results

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

Client: Ramboll **Work Order:** 24110014

Client Project: KIN-24Q4 **Report Date:** 17-Dec-24

Lab ID: 24110014-005 **Client Sample ID:** MW-6

Matrix: GROUNDWATER **Collection Date:** 11/18/2024 11:40

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**10.18**	ft	1	11/18/2024 11:40	R356899
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**6.6**	NTU	1	11/18/2024 11:40	R356899
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		**102**	mV	1	11/18/2024 11:40	R356899
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**733**	µS/cm	1	11/18/2024 11:40	R356899
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**16.2**	°C	1	11/18/2024 11:40	R356899
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**4.44**	mg/L	1	11/18/2024 11:40	R356899
SW-846 9040B FIELD									
pH	*	0	1.00		**6.28**		1	11/18/2024 11:40	R356899
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**283**	mg/L	1	11/19/2024 9:53	R356417
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	11/19/2024 9:53	R356417
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**552**	mg/L	1	11/23/2024 11:15	R356657
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		**ND**	mg/L	10	11/19/2024 10:50	R356354
Chloride	NELAP	1.0	5.0	J	**3.2**	mg/L	10	11/19/2024 10:50	R356354
Sulfate	NELAP	3.00	10.0		**149**	mg/L	10	11/19/2024 10:50	R356354
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**91.8**	mg/L	1	11/20/2024 21:51	231371
Magnesium	NELAP	0.0064	0.0500		**37.3**	mg/L	1	11/22/2024 18:18	231371
Potassium	NELAP	0.0400	0.100		**0.385**	mg/L	1	11/20/2024 21:51	231371
Sodium	NELAP	0.0180	0.0500		**26.1**	mg/L	1	11/20/2024 21:51	231371
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	11/20/2024 19:55	231371
Arsenic	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	11/20/2024 19:55	231371
Barium	NELAP	0.0007	0.0010		**0.0414**	mg/L	5	11/20/2024 19:55	231371
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	11/20/2024 19:55	231371
Boron	NELAP	0.0092	0.0250		**1.32**	mg/L	5	11/20/2024 19:55	231371
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	11/20/2024 19:55	231371
Chromium	NELAP	0.0007	0.0015	J	**0.0011**	mg/L	5	11/20/2024 19:55	231371
Cobalt	NELAP	0.0001	0.0010	J	**0.0001**	mg/L	5	11/20/2024 19:55	231371
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	11/20/2024 19:55	231371
Lithium	*	0.0015	0.0030		**< 0.0030**	mg/L	5	11/20/2024 19:55	231371
Molybdenum	NELAP	0.0006	0.0015		**< 0.0015**	mg/L	5	11/20/2024 19:55	231371
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	11/20/2024 19:55	231371
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	11/20/2024 19:55	231371
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	11/20/2024 11:37	231369

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24110014

Client Project: KIN-24Q4 **Report Date:** 17-Dec-24

Lab ID: 24110014-006 **Client Sample ID:** MW-7

Matrix: GROUNDWATER **Collection Date:** 11/18/2024 12:21

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**2.39**	ft	1	11/18/2024 12:21	R356899
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**9.2**	NTU	1	11/18/2024 12:21	R356899
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		**-72**	mV	1	11/18/2024 12:21	R356899
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1310**	µS/cm	1	11/18/2024 12:21	R356899
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**15.7**	°C	1	11/18/2024 12:21	R356899
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.68**	mg/L	1	11/18/2024 12:21	R356899
SW-846 9040B FIELD									
pH	*	0	1.00		**6.64**		1	11/18/2024 12:21	R356899
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**412**	mg/L	1	11/19/2024 9:46	R356417
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	11/19/2024 9:46	R356417
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**1110**	mg/L	2.5	11/23/2024 11:15	R356657
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50	J	**0.25**	mg/L	10	11/19/2024 11:01	R356354
Chloride	NELAP	1.0	5.0	J	**3.5**	mg/L	10	11/19/2024 11:01	R356354
Sulfate	NELAP	3.00	10.0		**417**	mg/L	10	11/19/2024 11:01	R356354
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**174**	mg/L	1	11/20/2024 21:53	231371
Magnesium	NELAP	0.0064	0.0500		**75.7**	mg/L	1	11/22/2024 18:20	231371
Potassium	NELAP	0.0400	0.100		**1.66**	mg/L	1	11/20/2024 21:53	231371
Sodium	NELAP	0.0180	0.0500		**25.2**	mg/L	1	11/20/2024 21:53	231371
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	11/20/2024 20:01	231371
Arsenic	NELAP	0.0004	0.0010		**0.0031**	mg/L	5	11/20/2024 20:01	231371
Barium	NELAP	0.0007	0.0010		**0.0667**	mg/L	5	11/20/2024 20:01	231371
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	11/20/2024 20:01	231371
Boron	NELAP	0.0092	0.0250		**0.651**	mg/L	5	11/20/2024 20:01	231371
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	11/20/2024 20:01	231371
Chromium	NELAP	0.0007	0.0015		**< 0.0015**	mg/L	5	11/20/2024 20:01	231371
Cobalt	NELAP	0.0001	0.0010		**0.0022**	mg/L	5	11/20/2024 20:01	231371
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	11/20/2024 20:01	231371
Lithium	*	0.0015	0.0030		**0.0041**	mg/L	5	11/20/2024 20:01	231371
Molybdenum	NELAP	0.0006	0.0015		**0.0017**	mg/L	5	11/20/2024 20:01	231371
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	11/20/2024 20:01	231371
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	11/20/2024 20:01	231371
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	11/20/2024 11:39	231369

Laboratory Results

Client: Ramboll **Work Order:** 24110014

Client Project: KIN-24Q4 **Report Date:** 17-Dec-24

Lab ID: 24110014-007 **Client Sample ID:** MW-7S

Matrix: GROUNDWATER **Collection Date:** 11/18/2024 12:41

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**10.39**	ft	1	11/18/2024 12:41	R356899
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**9.1**	NTU	1	11/18/2024 12:41	R356899
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		**-59**	mV	1	11/18/2024 12:41	R356899
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1500**	µS/cm	1	11/18/2024 12:41	R356899
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**16.9**	°C	1	11/18/2024 12:41	R356899
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**2.36**	mg/L	1	11/18/2024 12:41	R356899
SW-846 9040B FIELD									
pH	*	0	1.00		**6.50**		1	11/18/2024 12:41	R356899
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**414**	mg/L	1	11/19/2024 9:39	R356417
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	11/19/2024 9:39	R356417
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**1290**	mg/L	2.5	11/23/2024 11:18	R356657
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50	J	**0.25**	mg/L	10	11/19/2024 11:13	R356354
Chloride	NELAP	1.00	5.00		**6.75**	mg/L	10	11/19/2024 11:13	R356354
Sulfate	NELAP	3.00	10.0		**547**	mg/L	10	11/19/2024 11:13	R356354
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**175**	mg/L	1	11/20/2024 21:54	231371
Magnesium	NELAP	0.0064	0.0500		**66.7**	mg/L	1	11/22/2024 18:22	231371
Potassium	NELAP	0.0400	0.100		**2.54**	mg/L	1	11/20/2024 21:54	231371
Sodium	NELAP	0.0180	0.0500		**93.7**	mg/L	1	11/20/2024 21:54	231371
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	11/20/2024 20:07	231371
Arsenic	NELAP	0.0004	0.0010		**0.0096**	mg/L	5	11/20/2024 20:07	231371
Barium	NELAP	0.0007	0.0010		**0.0393**	mg/L	5	11/20/2024 20:07	231371
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	11/20/2024 20:07	231371
Boron	NELAP	0.0092	0.0250		**4.66**	mg/L	5	11/20/2024 20:07	231371
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	11/20/2024 20:07	231371
Chromium	NELAP	0.0007	0.0015		**< 0.0015**	mg/L	5	11/20/2024 20:07	231371
Cobalt	NELAP	0.0001	0.0010		**0.0012**	mg/L	5	11/20/2024 20:07	231371
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	11/20/2024 20:07	231371
Lithium	*	0.0015	0.0030		**< 0.0030**	mg/L	5	11/20/2024 20:07	231371
Molybdenum	NELAP	0.0006	0.0015	J	**0.0015**	mg/L	5	11/20/2024 20:07	231371
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	11/20/2024 20:07	231371
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	11/20/2024 20:07	231371
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	11/20/2024 11:42	231369

Laboratory Results

Client: Ramboll **Work Order:** 24110014

Client Project: KIN-24Q4 **Report Date:** 17-Dec-24

Lab ID: 24110014-008 **Client Sample ID:** MW-8

Matrix: GROUNDWATER **Collection Date:** 11/18/2024 10:38

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**12.76**	ft	1	11/18/2024 10:38	R356899
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**5.1**	NTU	1	11/18/2024 10:38	R356899
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		**20**	mV	1	11/18/2024 10:38	R356899
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1110**	µS/cm	1	11/18/2024 10:38	R356899
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**15.8**	°C	1	11/18/2024 10:38	R356899
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.01**	mg/L	1	11/18/2024 10:38	R356899
SW-846 9040B FIELD									
pH	*	0	1.00		**6.44**		1	11/18/2024 10:38	R356899
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**448**	mg/L	1	11/19/2024 9:32	R356417
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	11/19/2024 9:32	R356417
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	20	25		**1040**	mg/L	1.25	11/23/2024 11:18	R356657
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		**ND**	mg/L	10	11/19/2024 12:00	R356354
Chloride	NELAP	1.00	5.00		**19.6**	mg/L	10	11/19/2024 12:00	R356354
Sulfate	NELAP	3.00	10.0		**201**	mg/L	10	11/19/2024 12:00	R356354
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**144**	mg/L	1	11/20/2024 21:56	231371
Magnesium	NELAP	0.0064	0.0500		**63.8**	mg/L	1	11/22/2024 18:23	231371
Potassium	NELAP	0.0400	0.100		**0.579**	mg/L	1	11/20/2024 21:56	231371
Sodium	NELAP	0.0180	0.0500		**27.3**	mg/L	1	11/20/2024 21:56	231371
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	11/20/2024 20:13	231371
Arsenic	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	11/20/2024 20:13	231371
Barium	NELAP	0.0007	0.0010		**0.0287**	mg/L	5	11/20/2024 20:13	231371
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	11/20/2024 20:13	231371
Boron	NELAP	0.0092	0.0250		**1.04**	mg/L	5	11/20/2024 20:13	231371
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	11/20/2024 20:13	231371
Chromium	NELAP	0.0007	0.0015		**< 0.0015**	mg/L	5	11/20/2024 20:13	231371
Cobalt	NELAP	0.0001	0.0010		**0.0014**	mg/L	5	11/20/2024 20:13	231371
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	11/20/2024 20:13	231371
Lithium	*	0.0015	0.0030	J	**0.0020**	mg/L	5	11/20/2024 20:13	231371
Molybdenum	NELAP	0.0006	0.0015		**< 0.0015**	mg/L	5	11/20/2024 20:13	231371
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	11/20/2024 20:13	231371
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	11/20/2024 20:13	231371
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	11/20/2024 11:48	231369

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24110014

Client Project: KIN-24Q4 **Report Date:** 17-Dec-24

Lab ID: 24110014-009 **Client Sample ID:** MW-8S

Matrix: GROUNDWATER **Collection Date:** 11/18/2024 0:00

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**9.76**	ft	1	11/18/2024 10:10	R356899
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**Dry; no sample**	NTU	1	11/18/2024 10:10	R356899
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		**Dry; no sample**	mV	1	11/18/2024 10:10	R356899
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**Dry; no sample**	µS/cm	1	11/18/2024 10:10	R356899
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**Dry; no sample**	°C	1	11/18/2024 10:10	R356899
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**Dry; no sample**	mg/L	1	11/18/2024 10:10	R356899
SW-846 9040B FIELD									
pH	*	0	1.00		**Dry; no sample**		1	11/18/2024 10:10	R356899

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24110014

Client Project: KIN-24Q4 **Report Date:** 17-Dec-24

Lab ID: 24110014-010 **Client Sample ID:** MW-11

Matrix: GROUNDWATER **Collection Date:** 11/18/2024 11:55

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**9.78**	ft	1	11/18/2024 11:55	R356899
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**3.7**	NTU	1	11/18/2024 11:55	R356899
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		**55**	mV	1	11/18/2024 11:55	R356899
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**804**	µS/cm	1	11/18/2024 11:55	R356899
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**17.6**	°C	1	11/18/2024 11:55	R356899
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**2.32**	mg/L	1	11/18/2024 11:55	R356899
SW-846 9040B FIELD									
pH	*	0	1.00		**6.68**		1	11/18/2024 11:55	R356899
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**366**	mg/L	1	11/19/2024 10:18	R356417
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	11/19/2024 10:18	R356417
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**554**	mg/L	1	11/23/2024 11:18	R356657
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50	J	**0.41**	mg/L	10	11/19/2024 12:12	R356354
Chloride	NELAP	1.00	5.00		**25.2**	mg/L	10	11/19/2024 12:12	R356354
Sulfate	NELAP	3.00	10.0		**89.3**	mg/L	10	11/19/2024 12:12	R356354
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**98.4**	mg/L	1	11/20/2024 22:05	231371
Magnesium	NELAP	0.0550	0.500		**41.8**	mg/L	10	11/25/2024 14:46	231371
Potassium	NELAP	0.0400	0.100		**0.933**	mg/L	1	11/20/2024 22:05	231371
Sodium	NELAP	0.0180	0.0500		**35.0**	mg/L	1	11/20/2024 22:05	231371
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	11/20/2024 20:19	231371
Arsenic	NELAP	0.0004	0.0010	J	**0.0006**	mg/L	5	11/20/2024 20:19	231371
Barium	NELAP	0.0007	0.0010		**0.116**	mg/L	5	11/20/2024 20:19	231371
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	11/20/2024 20:19	231371
Boron	NELAP	0.0092	0.0250		**1.35**	mg/L	5	11/20/2024 20:19	231371
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	11/20/2024 20:19	231371
Chromium	NELAP	0.0007	0.0015		**< 0.0015**	mg/L	5	11/20/2024 20:19	231371
Cobalt	NELAP	0.0001	0.0010	J	**0.0003**	mg/L	5	11/20/2024 20:19	231371
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	11/20/2024 20:19	231371
Lithium	*	0.0015	0.0030	J	**0.0023**	mg/L	5	11/20/2024 20:19	231371
Molybdenum	NELAP	0.0006	0.0015		**0.0020**	mg/L	5	11/20/2024 20:19	231371
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	11/20/2024 20:19	231371
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	11/20/2024 20:19	231371
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	11/20/2024 11:51	231369

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24110014

Client Project: KIN-24Q4 **Report Date:** 17-Dec-24

Lab ID: 24110014-011 **Client Sample ID:** MW-12

Matrix: GROUNDWATER **Collection Date:** 11/19/2024 13:42

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**7.14**	ft	1	11/19/2024 13:42	R356899
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**41**	NTU	1	11/19/2024 13:42	R356899
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		**-60**	mV	1	11/19/2024 13:42	R356899
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1280**	µS/cm	1	11/19/2024 13:42	R356899
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**16.8**	°C	1	11/19/2024 13:42	R356899
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.55**	mg/L	1	11/19/2024 13:42	R356899
SW-846 9040B FIELD									
pH	*	0	1.00		**6.64**		1	11/19/2024 13:42	R356899
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**515**	mg/L	1	11/20/2024 11:49	R356488
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	11/20/2024 11:49	R356488
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	32	40		**952**	mg/L	2	11/23/2024 11:37	R356657
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		**ND**	mg/L	10	11/20/2024 8:21	R356433
Chloride	NELAP	1.00	5.00		**29.5**	mg/L	10	11/20/2024 8:21	R356433
Sulfate	NELAP	3.00	10.0		**348**	mg/L	10	11/20/2024 8:21	R356433
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**196**	mg/L	1	11/21/2024 19:08	231431
Magnesium	NELAP	0.0055	0.0500		**81.8**	mg/L	1	11/21/2024 19:08	231431
Potassium	NELAP	0.0400	0.100		**2.19**	mg/L	1	11/21/2024 19:08	231431
Sodium	NELAP	0.0180	0.0500		**47.3**	mg/L	1	11/21/2024 19:08	231431
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	11/22/2024 18:23	231431
Arsenic	NELAP	0.0004	0.0010		**0.0014**	mg/L	5	11/22/2024 18:23	231431
Barium	NELAP	0.0007	0.0010		**0.103**	mg/L	5	11/22/2024 18:23	231431
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	11/22/2024 18:23	231431
Boron	NELAP	0.0092	0.0250		**3.88**	mg/L	5	11/22/2024 18:23	231431
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	11/22/2024 18:23	231431
Chromium	NELAP	0.0007	0.0015		**< 0.0015**	mg/L	5	11/22/2024 18:23	231431
Cobalt	NELAP	0.0001	0.0010	J	**0.0001**	mg/L	5	11/22/2024 18:23	231431
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	11/22/2024 18:23	231431
Lithium	*	0.0015	0.0030		**0.0138**	mg/L	5	11/22/2024 18:23	231431
Molybdenum	NELAP	0.0006	0.0015	J	**0.0013**	mg/L	5	11/22/2024 18:23	231431
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	11/22/2024 18:23	231431
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	11/22/2024 18:23	231431
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	11/21/2024 12:33	231451

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24110014

Client Project: KIN-24Q4 **Report Date:** 17-Dec-24

Lab ID: 24110014-012 **Client Sample ID:** MW-20

Matrix: GROUNDWATER **Collection Date:** 11/18/2024 14:03

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**5.84**	ft	1	11/18/2024 14:03	R356899
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**160**	NTU	1	11/18/2024 14:03	R356899
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		**22**	mV	1	11/18/2024 14:03	R356899
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**910**	µS/cm	1	11/18/2024 14:03	R356899
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**16.2**	°C	1	11/18/2024 14:03	R356899
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.68**	mg/L	1	11/18/2024 14:03	R356899
SW-846 9040B FIELD									
pH	*	0	1.00		**6.76**		1	11/18/2024 14:03	R356899
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**418**	mg/L	1	11/19/2024 10:12	R356417
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	11/19/2024 10:12	R356417
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**742**	mg/L	1	11/23/2024 11:18	R356657
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50	J	**0.27**	mg/L	10	11/19/2024 12:23	R356354
Chloride	NELAP	1.00	5.00		**19.8**	mg/L	10	11/19/2024 12:23	R356354
Sulfate	NELAP	3.00	10.0		**158**	mg/L	10	11/19/2024 12:23	R356354
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**122**	mg/L	1	11/20/2024 22:07	231371
Magnesium	NELAP	0.0550	0.500		**61.8**	mg/L	10	11/25/2024 14:48	231371
Potassium	NELAP	0.0400	0.100		**1.01**	mg/L	1	11/20/2024 22:07	231371
Sodium	NELAP	0.0180	0.0500		**21.5**	mg/L	1	11/20/2024 22:07	231371
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	11/20/2024 20:25	231371
Arsenic	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	11/20/2024 20:25	231371
Barium	NELAP	0.0007	0.0010		**0.0888**	mg/L	5	11/20/2024 20:25	231371
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	11/20/2024 20:25	231371
Boron	NELAP	0.0092	0.0250		**0.794**	mg/L	5	11/20/2024 20:25	231371
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	11/20/2024 20:25	231371
Chromium	NELAP	0.0007	0.0015		**< 0.0015**	mg/L	5	11/20/2024 20:25	231371
Cobalt	NELAP	0.0001	0.0010	J	**0.0002**	mg/L	5	11/20/2024 20:25	231371
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	11/20/2024 20:25	231371
Lithium	*	0.0015	0.0030		**0.0047**	mg/L	5	11/20/2024 20:25	231371
Molybdenum	NELAP	0.0006	0.0015		**0.0029**	mg/L	5	11/20/2024 20:25	231371
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	11/20/2024 20:25	231371
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	11/20/2024 20:25	231371
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	11/20/2024 11:53	231369

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24110014

Client Project: KIN-24Q4 **Report Date:** 17-Dec-24

Lab ID: 24110014-013 **Client Sample ID:** MW-20S

Matrix: GROUNDWATER **Collection Date:** 11/19/2024 10:57

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**4.88**	ft	1	11/19/2024 10:57	R356899
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**3.9**	NTU	1	11/19/2024 10:57	R356899
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		**43**	mV	1	11/19/2024 10:57	R356899
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1060**	µS/cm	1	11/19/2024 10:57	R356899
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**17.1**	°C	1	11/19/2024 10:57	R356899
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**2.41**	mg/L	1	11/19/2024 10:57	R356899
SW-846 9040B FIELD									
pH	*	0	1.00		**6.58**		1	11/19/2024 10:57	R356899
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**448**	mg/L	1	11/20/2024 11:56	R356488
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	11/20/2024 11:56	R356488
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**956**	mg/L	1	11/23/2024 11:37	R356657
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		**ND**	mg/L	10	11/20/2024 9:19	R356433
Chloride	NELAP	1.00	5.00		**19.7**	mg/L	10	11/20/2024 9:19	R356433
Sulfate	NELAP	3.00	10.0		**280**	mg/L	10	11/20/2024 9:19	R356433
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**169**	mg/L	1	11/21/2024 19:10	231431
Magnesium	NELAP	0.0055	0.0500		**82.1**	mg/L	1	11/21/2024 19:10	231431
Potassium	NELAP	0.0400	0.100		**0.207**	mg/L	1	11/21/2024 19:10	231431
Sodium	NELAP	0.0180	0.0500		**24.8**	mg/L	1	11/21/2024 19:10	231431
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	11/22/2024 18:29	231431
Arsenic	NELAP	0.0004	0.0010		**0.0011**	mg/L	5	11/22/2024 18:29	231431
Barium	NELAP	0.0007	0.0010		**0.0370**	mg/L	5	11/22/2024 18:29	231431
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	11/22/2024 18:29	231431
Boron	NELAP	0.0092	0.0250		**1.84**	mg/L	5	11/22/2024 18:29	231431
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	11/22/2024 18:29	231431
Chromium	NELAP	0.0007	0.0015		**< 0.0015**	mg/L	5	11/22/2024 18:29	231431
Cobalt	NELAP	0.0001	0.0010	J	**0.0002**	mg/L	5	11/22/2024 18:29	231431
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	11/22/2024 18:29	231431
Lithium	*	0.0015	0.0030		**< 0.0030**	mg/L	5	11/22/2024 18:29	231431
Molybdenum	NELAP	0.0006	0.0015		**< 0.0015**	mg/L	5	11/22/2024 18:29	231431
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	11/22/2024 18:29	231431
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	11/22/2024 18:29	231431
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	11/21/2024 12:40	231451

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24110014

Client Project: KIN-24Q4 **Report Date:** 17-Dec-24

Lab ID: 24110014-014 **Client Sample ID:** MW-23

Matrix: GROUNDWATER **Collection Date:** 11/18/2024 12:38

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**16.19**	ft	1	11/18/2024 12:38	R356899
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**2.2**	NTU	1	11/18/2024 12:38	R356899
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		**-130**	mV	1	11/18/2024 12:38	R356899
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**851**	µS/cm	1	11/18/2024 12:38	R356899
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**15.8**	°C	1	11/18/2024 12:38	R356899
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.84**	mg/L	1	11/18/2024 12:38	R356899
SW-846 9040B FIELD									
pH	*	0	1.00		**6.70**		1	11/18/2024 12:38	R356899
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**486**	mg/L	1	11/19/2024 10:05	R356417
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	11/19/2024 10:05	R356417
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**630**	mg/L	1	11/23/2024 11:19	R356657
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50	J	**0.28**	mg/L	10	11/19/2024 12:35	R356354
Chloride	NELAP	1.00	5.00		**23.8**	mg/L	10	11/19/2024 12:35	R356354
Sulfate	NELAP	3.00	10.0		**37.1**	mg/L	10	11/19/2024 12:35	R356354
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**106**	mg/L	1	11/20/2024 22:08	231371
Magnesium	NELAP	0.0550	0.500		**48.6**	mg/L	10	11/25/2024 14:49	231371
Potassium	NELAP	0.0400	0.100		**0.735**	mg/L	1	11/20/2024 22:08	231371
Sodium	NELAP	0.0180	0.0500		**42.0**	mg/L	1	11/20/2024 22:08	231371
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	11/20/2024 20:31	231371
Arsenic	NELAP	0.0004	0.0010		**0.0027**	mg/L	5	11/20/2024 20:31	231371
Barium	NELAP	0.0007	0.0010		**0.104**	mg/L	5	11/20/2024 20:31	231371
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	11/20/2024 20:31	231371
Boron	NELAP	0.0092	0.0250		**2.22**	mg/L	5	11/20/2024 20:31	231371
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	11/20/2024 20:31	231371
Chromium	NELAP	0.0007	0.0015		**< 0.0015**	mg/L	5	11/20/2024 20:31	231371
Cobalt	NELAP	0.0001	0.0010		**0.0011**	mg/L	5	11/20/2024 20:31	231371
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	11/20/2024 20:31	231371
Lithium	*	0.0015	0.0030		**< 0.0030**	mg/L	5	11/20/2024 20:31	231371
Molybdenum	NELAP	0.0006	0.0015	J	**0.0007**	mg/L	5	11/20/2024 20:31	231371
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	11/20/2024 20:31	231371
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	11/20/2024 20:31	231371
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	11/20/2024 11:55	231369

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24110014

Client Project: KIN-24Q4 **Report Date:** 17-Dec-24

Lab ID: 24110014-015 **Client Sample ID:** MW-27

Matrix: GROUNDWATER **Collection Date:** 11/18/2024 0:00

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**17.01**	ft	1	11/18/2024 10:55	R356899
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**Dry; no sample**	NTU	1	11/18/2024 10:55	R356899
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		**Dry; no sample**	mV	1	11/18/2024 10:55	R356899
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**Dry; no sample**	µS/cm	1	11/18/2024 10:55	R356899
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**Dry; no sample**	°C	1	11/18/2024 10:55	R356899
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**Dry; no sample**	mg/L	1	11/18/2024 10:55	R356899
SW-846 9040B FIELD									
pH	*	0	1.00		**Dry; no sample**		1	11/18/2024 10:55	R356899

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24110014

Client Project: KIN-24Q4 **Report Date:** 17-Dec-24

Lab ID: 24110014-016 **Client Sample ID:** MW-28

Matrix: GROUNDWATER **Collection Date:** 11/19/2024 13:12

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**5.84**	ft	1	11/19/2024 13:12	R356899
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**5.9**	NTU	1	11/19/2024 13:12	R356899
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		**76**	mV	1	11/19/2024 13:12	R356899
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1590**	µS/cm	1	11/19/2024 13:12	R356899
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**16.3**	°C	1	11/19/2024 13:12	R356899
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.75**	mg/L	1	11/19/2024 13:12	R356899
SW-846 9040B FIELD									
pH	*	0	1.00		**6.56**		1	11/19/2024 13:12	R356899
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**417**	mg/L	1	11/20/2024 12:02	R356488
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	11/20/2024 12:02	R356488
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20	H	**1810**	mg/L	1	12/02/2024 16:12	R357024
Sample analysis did not meet hold time requirements.									
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		**ND**	mg/L	10	11/20/2024 9:31	R356433
Chloride	NELAP	1.00	5.00		**7.54**	mg/L	10	11/20/2024 9:31	R356433
Sulfate	NELAP	3.00	10.0		**815**	mg/L	10	11/20/2024 9:31	R356433
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**239**	mg/L	1	11/21/2024 21:45	231433
Magnesium	NELAP	0.0055	0.0500		**104**	mg/L	1	11/21/2024 21:45	231433
Potassium	NELAP	0.0400	0.100		**0.843**	mg/L	1	11/21/2024 21:45	231433
Sodium	NELAP	0.0180	0.0500		**96.7**	mg/L	1	11/21/2024 21:45	231433
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	11/22/2024 15:26	231433
Arsenic	NELAP	0.0004	0.0010	J	**0.0005**	mg/L	5	11/27/2024 18:51	231433
Barium	NELAP	0.0007	0.0010		**0.0314**	mg/L	5	11/22/2024 15:26	231433
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	11/22/2024 15:26	231433
Boron	NELAP	0.0092	0.0250		**8.14**	mg/L	5	11/22/2024 15:26	231433
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	11/22/2024 15:26	231433
Chromium	NELAP	0.0007	0.0015		**< 0.0015**	mg/L	5	11/22/2024 15:26	231433
Cobalt	NELAP	0.0001	0.0010	J	**0.0007**	mg/L	5	11/22/2024 15:26	231433
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	11/22/2024 15:26	231433
Lithium	*	0.0015	0.0030		**0.0058**	mg/L	5	11/22/2024 15:26	231433
Molybdenum	NELAP	0.0006	0.0015		**< 0.0015**	mg/L	5	11/22/2024 15:26	231433
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	11/22/2024 15:26	231433
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	11/22/2024 15:26	231433
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	11/21/2024 12:43	231451

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24110014

Client Project: KIN-24Q4 **Report Date:** 17-Dec-24

Lab ID: 24110014-017 **Client Sample ID:** MW-30

Matrix: GROUNDWATER **Collection Date:** 11/19/2024 12:30

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**24.74**	ft	1	11/19/2024 12:30	R356899
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**3.9**	NTU	1	11/19/2024 12:30	R356899
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		**-94**	mV	1	11/19/2024 12:30	R356899
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**910**	µS/cm	1	11/19/2024 12:30	R356899
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**15.5**	°C	1	11/19/2024 12:30	R356899
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.71**	mg/L	1	11/19/2024 12:30	R356899
SW-846 9040B FIELD									
pH	*	0	1.00		**6.58**		1	11/19/2024 12:30	R356899
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**539**	mg/L	1	11/20/2024 12:29	R356488
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	11/20/2024 12:29	R356488
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	53	67	H	**546**	mg/L	3.33	11/26/2024 14:43	R356859
Sample analysis did not meet hold time requirements.									
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50	J	**0.29**	mg/L	10	11/20/2024 16:19	R356433
Chloride	NELAP	1.00	5.00		**36.7**	mg/L	10	11/20/2024 16:19	R356433
Sulfate	NELAP	3.00	10.0		**ND**	mg/L	10	11/20/2024 16:19	R356433
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100	S	**108**	mg/L	1	11/21/2024 21:47	231433
Magnesium	NELAP	0.0055	0.0500		**53.5**	mg/L	1	11/21/2024 21:47	231433
Potassium	NELAP	0.0400	0.100		**0.676**	mg/L	1	11/21/2024 21:47	231433
Sodium	NELAP	0.0180	0.0500	S	**44.1**	mg/L	1	11/21/2024 21:47	231433
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	11/27/2024 19:19	231433
Arsenic	NELAP	0.0004	0.0010		**0.0211**	mg/L	5	11/27/2024 19:19	231433
Barium	NELAP	0.0014	0.0020		**0.192**	mg/L	10	12/03/2024 6:39	231433
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	11/22/2024 15:45	231433
Boron	NELAP	0.0092	0.0250		**1.14**	mg/L	5	11/22/2024 15:45	231433
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	11/27/2024 19:19	231433
Chromium	NELAP	0.0007	0.0015		**< 0.0015**	mg/L	5	11/22/2024 15:45	231433
Cobalt	NELAP	0.0001	0.0010		**0.0024**	mg/L	5	11/22/2024 15:45	231433
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	11/22/2024 15:45	231433
Lithium	*	0.0015	0.0030		**< 0.0030**	mg/L	5	11/22/2024 15:45	231433
Molybdenum	NELAP	0.0006	0.0015		**0.0017**	mg/L	5	12/02/2024 10:30	231433
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	11/27/2024 19:19	231433
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	11/22/2024 15:45	231433
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	11/21/2024 12:45	231451

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24110014

Client Project: KIN-24Q4 **Report Date:** 17-Dec-24

Lab ID: 24110014-018 **Client Sample ID:** MW-31

Matrix: GROUNDWATER **Collection Date:** 11/18/2024 13:49

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**30.69**	ft	1	11/18/2024 13:49	R356899
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**3.7**	NTU	1	11/18/2024 13:49	R356899
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		**-63**	mV	1	11/18/2024 13:49	R356899
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**979**	µS/cm	1	11/18/2024 13:49	R356899
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**14.7**	°C	1	11/18/2024 13:49	R356899
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.63**	mg/L	1	11/18/2024 13:49	R356899
SW-846 9040B FIELD									
pH	*	0	1.00		**6.56**		1	11/18/2024 13:49	R356899
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**518**	mg/L	1	11/19/2024 9:58	R356417
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	11/19/2024 9:58	R356417
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**575**	mg/L	2.5	11/23/2024 11:19	R356657
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		**ND**	mg/L	10	11/19/2024 12:47	R356354
Chloride	NELAP	1.00	5.00		**38.3**	mg/L	10	11/19/2024 12:47	R356354
Sulfate	NELAP	3.00	10.0		**ND**	mg/L	10	11/19/2024 12:47	R356354
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**117**	mg/L	1	11/20/2024 22:10	231371
Magnesium	NELAP	0.0550	0.500		**57.0**	mg/L	10	11/25/2024 14:51	231371
Potassium	NELAP	0.0400	0.100		**0.796**	mg/L	1	11/20/2024 22:10	231371
Sodium	NELAP	0.0180	0.0500		**23.9**	mg/L	1	11/20/2024 22:10	231371
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	11/20/2024 21:20	231371
Arsenic	NELAP	0.0004	0.0010		**0.0062**	mg/L	5	11/20/2024 21:20	231371
Barium	NELAP	0.0007	0.0010		**0.206**	mg/L	5	11/20/2024 21:20	231371
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	11/20/2024 21:20	231371
Boron	NELAP	0.0092	0.0250		**0.157**	mg/L	5	11/20/2024 21:20	231371
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	11/20/2024 21:20	231371
Chromium	NELAP	0.0007	0.0015		**< 0.0015**	mg/L	5	11/20/2024 21:20	231371
Cobalt	NELAP	0.0001	0.0010	J	**0.0010**	mg/L	5	11/20/2024 21:20	231371
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	11/20/2024 21:20	231371
Lithium	*	0.0015	0.0030		**0.0041**	mg/L	5	11/20/2024 21:20	231371
Molybdenum	NELAP	0.0006	0.0015		**< 0.0015**	mg/L	5	11/20/2024 21:20	231371
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	11/20/2024 21:20	231371
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	11/20/2024 21:20	231371
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	11/20/2024 11:58	231369

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24110014

Client Project: KIN-24Q4 **Report Date:** 17-Dec-24

Lab ID: 24110014-019 **Client Sample ID:** MW-31S

Matrix: GROUNDWATER **Collection Date:** 11/19/2024 12:04

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**19.69**	ft	1	11/19/2024 12:04	R356899
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**40**	NTU	1	11/19/2024 12:04	R356899
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		**-100**	mV	1	11/19/2024 12:04	R356899
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1130**	µS/cm	1	11/19/2024 12:04	R356899
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**16.7**	°C	1	11/19/2024 12:04	R356899
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**2.03**	mg/L	1	11/19/2024 12:04	R356899
SW-846 9040B FIELD									
pH	*	0	1.00		**6.52**		1	11/19/2024 12:04	R356899
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**704**	mg/L	1	11/20/2024 12:22	R356488
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	11/20/2024 12:22	R356488
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	80	100	H	**780**	mg/L	5	11/26/2024 14:44	R356859
Sample analysis did not meet hold time requirements.									
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		**ND**	mg/L	10	11/20/2024 16:08	R356433
Chloride	NELAP	1.00	5.00		**10.2**	mg/L	10	11/20/2024 16:08	R356433
Sulfate	NELAP	3.00	10.0		**ND**	mg/L	10	11/20/2024 16:08	R356433
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**149**	mg/L	1	11/21/2024 21:59	231433
Magnesium	NELAP	0.0055	0.0500		**79.5**	mg/L	1	11/21/2024 21:59	231433
Potassium	NELAP	0.0400	0.100		**1.05**	mg/L	1	11/21/2024 21:59	231433
Sodium	NELAP	0.0180	0.0500		**17.6**	mg/L	1	11/21/2024 21:59	231433
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	11/22/2024 15:33	231433
Arsenic	NELAP	0.0004	0.0010		**0.0211**	mg/L	5	11/27/2024 18:57	231433
Barium	NELAP	0.0007	0.0010		**0.274**	mg/L	5	11/22/2024 15:33	231433
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	11/22/2024 15:33	231433
Boron	NELAP	0.0092	0.0250		**0.105**	mg/L	5	11/22/2024 15:33	231433
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	11/22/2024 15:33	231433
Chromium	NELAP	0.0007	0.0015	J	**0.0010**	mg/L	5	11/22/2024 15:33	231433
Cobalt	NELAP	0.0001	0.0010		**0.0033**	mg/L	5	11/22/2024 15:33	231433
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	11/22/2024 15:33	231433
Lithium	*	0.0015	0.0030		**< 0.0030**	mg/L	5	11/22/2024 15:33	231433
Molybdenum	NELAP	0.0006	0.0015	J	**0.0008**	mg/L	5	11/22/2024 15:33	231433
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	11/22/2024 15:33	231433
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	11/22/2024 15:33	231433
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	11/21/2024 12:47	231451

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24110014

Client Project: KIN-24Q4 **Report Date:** 17-Dec-24

Lab ID: 24110014-020 **Client Sample ID:** MW-32

Matrix: GROUNDWATER **Collection Date:** 11/18/2024 13:24

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**23.97**	ft	1	11/18/2024 13:24	R356899
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**3.5**	NTU	1	11/18/2024 13:24	R356899
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		**44**	mV	1	11/18/2024 13:24	R356899
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1290**	µS/cm	1	11/18/2024 13:24	R356899
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**15.7**	°C	1	11/18/2024 13:24	R356899
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.71**	mg/L	1	11/18/2024 13:24	R356899
SW-846 9040B FIELD									
pH	*	0	1.00		**6.37**		1	11/18/2024 13:24	R356899
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**506**	mg/L	1	11/22/2024 9:31	R356631
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	11/22/2024 9:31	R356631
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**1040**	mg/L	1	11/23/2024 11:19	R356657
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		**ND**	mg/L	10	11/19/2024 12:58	R356354
Chloride	NELAP	1.00	5.00		**9.44**	mg/L	10	11/19/2024 12:58	R356354
Sulfate	NELAP	3.00	10.0		**313**	mg/L	10	11/19/2024 12:58	R356354
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**154**	mg/L	1	11/20/2024 22:12	231371
Magnesium	NELAP	0.0550	0.500		**82.5**	mg/L	10	11/25/2024 14:52	231371
Potassium	NELAP	0.0400	0.100		**0.403**	mg/L	1	11/20/2024 22:12	231371
Sodium	NELAP	0.0180	0.0500		**56.7**	mg/L	1	11/20/2024 22:12	231371
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	11/20/2024 21:26	231371
Arsenic	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	11/20/2024 21:26	231371
Barium	NELAP	0.0007	0.0010		**0.0443**	mg/L	5	11/20/2024 21:26	231371
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	11/20/2024 21:26	231371
Boron	NELAP	0.0092	0.0250		**1.75**	mg/L	5	11/20/2024 21:26	231371
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	11/20/2024 21:26	231371
Chromium	NELAP	0.0007	0.0015		**< 0.0015**	mg/L	5	11/20/2024 21:26	231371
Cobalt	NELAP	0.0001	0.0010	J	**0.0005**	mg/L	5	11/20/2024 21:26	231371
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	11/20/2024 21:26	231371
Lithium	*	0.0015	0.0030	J	**0.0015**	mg/L	5	11/20/2024 21:26	231371
Molybdenum	NELAP	0.0006	0.0015		**< 0.0015**	mg/L	5	11/20/2024 21:26	231371
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	11/20/2024 21:26	231371
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	11/20/2024 21:26	231371
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	11/21/2024 10:24	231369

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24110014

Client Project: KIN-24Q4 **Report Date:** 17-Dec-24

Lab ID: 24110014-025 **Client Sample ID:** PZ-4C

Matrix: GROUNDWATER **Collection Date:** 11/19/2024 9:44

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**6.00**	ft	1	11/19/2024 9:44	R356899
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**23**	NTU	1	11/19/2024 9:44	R356899
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		**-98**	mV	1	11/19/2024 9:44	R356899
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**796**	µS/cm	1	11/19/2024 9:44	R356899
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**16.0**	°C	1	11/19/2024 9:44	R356899
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**2.51**	mg/L	1	11/19/2024 9:44	R356899
SW-846 9040B FIELD									
pH	*	0	1.00		**6.82**		1	11/19/2024 9:44	R356899
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**410**	mg/L	1	11/20/2024 12:07	R356488
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	11/20/2024 12:07	R356488
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	27	33	H	**591**	mg/L	1.67	11/26/2024 16:28	R356859
Sample analysis did not meet hold time requirements.									
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50	J	**0.32**	mg/L	10	11/20/2024 10:29	R356433
Chloride	NELAP	1.00	5.00		**32.7**	mg/L	10	11/20/2024 10:29	R356433
Sulfate	NELAP	3.00	10.0		**68.5**	mg/L	10	11/20/2024 10:29	R356433
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**116**	mg/L	1	11/21/2024 22:02	231433
Magnesium	NELAP	0.0055	0.0500		**44.6**	mg/L	1	11/21/2024 22:02	231433
Potassium	NELAP	0.0400	0.100		**1.39**	mg/L	1	11/21/2024 22:02	231433
Sodium	NELAP	0.0180	0.0500		**33.0**	mg/L	1	11/21/2024 22:02	231433
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	11/22/2024 16:29	231433
Arsenic	NELAP	0.0004	0.0010		**0.0014**	mg/L	5	12/02/2024 10:19	231433
Barium	NELAP	0.0007	0.0010		**0.264**	mg/L	5	11/22/2024 16:29	231433
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	11/22/2024 16:29	231433
Boron	NELAP	0.0092	0.0250		**1.56**	mg/L	5	11/22/2024 16:29	231433
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	11/22/2024 16:29	231433
Chromium	NELAP	0.0007	0.0015	J	**0.0012**	mg/L	5	11/22/2024 16:29	231433
Cobalt	NELAP	0.0001	0.0010	J	**0.0005**	mg/L	5	11/22/2024 16:29	231433
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	11/22/2024 16:29	231433
Lithium	*	0.0015	0.0030		**0.0081**	mg/L	5	11/22/2024 16:29	231433
Molybdenum	NELAP	0.0006	0.0015	J	**0.0014**	mg/L	5	11/22/2024 16:29	231433
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	11/22/2024 16:29	231433
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	11/22/2024 16:29	231433
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	11/21/2024 12:56	231451

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24110014

Client Project: KIN-24Q4 **Report Date:** 17-Dec-24

Lab ID: 24110014-026 **Client Sample ID:** SG-02

Matrix: GROUNDWATER **Collection Date:** 11/18/2024 9:55

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**19.20**	ft	1	11/18/2024 9:55	R356899

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24110014

Client Project: KIN-24Q4 **Report Date:** 17-Dec-24

Lab ID: 24110014-027 **Client Sample ID:** XSG-01

Matrix: GROUNDWATER **Collection Date:** 11/18/2024 10:14

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**4.75**	ft	1	11/18/2024 10:14	R356899

Laboratory Results

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

Client: Ramboll **Work Order:** 24110014

Client Project: KIN-24Q4 **Report Date:** 17-Dec-24

Lab ID: 24110014-028 **Client Sample ID:** Field Blank

Matrix: AQUEOUS **Collection Date:** 11/20/2024 10:31

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		**1**	mg/L	1	11/21/2024 11:44	R356548
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	11/21/2024 11:44	R356548
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20	H	**< 20**	mg/L	1	12/02/2024 16:13	R357024
Sample analysis did not meet hold time requirements.									
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		**ND**	mg/L	10	11/21/2024 17:25	R356537
Chloride	NELAP	1.00	5.00		**ND**	mg/L	10	11/21/2024 17:25	R356537
Sulfate	NELAP	3.00	10.0		**ND**	mg/L	10	11/21/2024 17:25	R356537
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**< 0.100**	mg/L	1	11/25/2024 18:53	231490
Magnesium	NELAP	0.0055	0.050	J	**0.0075**	mg/L	1	11/25/2024 18:53	231490
Potassium	NELAP	0.0400	0.100		**< 0.100**	mg/L	1	11/25/2024 18:53	231490
Sodium	NELAP	0.018	0.050	J	**0.027**	mg/L	1	11/25/2024 18:53	231490
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	11/22/2024 21:25	231490
Arsenic	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	11/27/2024 20:43	231490
Barium	NELAP	0.0007	0.0010		**< 0.0010**	mg/L	5	11/27/2024 20:43	231490
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	11/22/2024 21:25	231490
Boron	NELAP	0.0092	0.0250		**< 0.0250**	mg/L	5	11/27/2024 20:43	231490
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	11/22/2024 21:25	231490
Chromium	NELAP	0.0007	0.0015		**< 0.0015**	mg/L	5	11/27/2024 20:43	231490
Cobalt	NELAP	0.0001	0.0010		**< 0.0010**	mg/L	5	11/22/2024 21:25	231490
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	11/22/2024 21:25	231490
Lithium	*	0.0015	0.0030		**< 0.0030**	mg/L	5	11/22/2024 21:25	231490
Molybdenum	NELAP	0.0006	0.0015		**< 0.0015**	mg/L	5	11/22/2024 21:25	231490
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	11/22/2024 21:25	231490
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	11/22/2024 21:25	231490
Contamination present in the MBLK. Sample results below the reporting limit are reportable per the TNI Standard.									
Contamination present in the CCB 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	11/22/2024 9:03	231510

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24110014

Client Project: KIN-24Q4 **Report Date:** 17-Dec-24

Lab ID: 24110014-029 **Client Sample ID:** MW-8 Duplicate

Matrix: GROUNDWATER **Collection Date:** 11/18/2024 10:38

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**12.76**	ft	1	11/18/2024 10:38	R356899
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**5.1**	NTU	1	11/18/2024 10:38	R356899
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		**20**	mV	1	11/18/2024 10:38	R356899
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1110**	µS/cm	1	11/18/2024 10:38	R356899
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**15.8**	°C	1	11/18/2024 10:38	R356899
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.01**	mg/L	1	11/18/2024 10:38	R356899
SW-846 9040B FIELD									
pH	*	0	1.00		**6.44**		1	11/18/2024 10:38	R356899
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**453**	mg/L	1	11/19/2024 11:02	R356417
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	11/19/2024 11:02	R356417
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**854**	mg/L	1	11/23/2024 11:19	R356657
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		**ND**	mg/L	10	11/19/2024 13:10	R356354
Chloride	NELAP	1.00	5.00		**19.6**	mg/L	10	11/19/2024 13:10	R356354
Sulfate	NELAP	3.00	10.0		**200**	mg/L	10	11/19/2024 13:10	R356354
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**143**	mg/L	1	11/20/2024 22:13	231371
Magnesium	NELAP	0.0550	0.500		**68.0**	mg/L	10	11/25/2024 14:54	231371
Potassium	NELAP	0.0400	0.100		**0.576**	mg/L	1	11/20/2024 22:13	231371
Sodium	NELAP	0.0180	0.0500		**27.6**	mg/L	1	11/20/2024 22:13	231371
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	11/20/2024 21:32	231371
Arsenic	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	11/20/2024 21:32	231371
Barium	NELAP	0.0007	0.0010		**0.0300**	mg/L	5	11/20/2024 21:32	231371
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	11/20/2024 21:32	231371
Boron	NELAP	0.0092	0.0250		**1.04**	mg/L	5	11/20/2024 21:32	231371
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	11/20/2024 21:32	231371
Chromium	NELAP	0.0007	0.0015		**< 0.0015**	mg/L	5	11/20/2024 21:32	231371
Cobalt	NELAP	0.0001	0.0010		**0.0014**	mg/L	5	11/20/2024 21:32	231371
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	11/20/2024 21:32	231371
Lithium	*	0.0015	0.0030	J	**0.0020**	mg/L	5	11/20/2024 21:32	231371
Molybdenum	NELAP	0.0006	0.0015		**< 0.0015**	mg/L	5	11/20/2024 21:32	231371
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	11/20/2024 21:32	231371
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	11/20/2024 21:32	231371
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	11/20/2024 12:08	231369

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24110014

Client Project: KIN-24Q4 **Report Date:** 17-Dec-24

Lab ID: 24110014-030 **Client Sample ID:** MW-32 Duplicate

Matrix: GROUNDWATER **Collection Date:** 11/18/2024 13:24

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**23.97**	ft	1	11/18/2024 13:24	R356899
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**3.5**	NTU	1	11/18/2024 13:24	R356899
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		**44**	mV	1	11/18/2024 13:24	R356899
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1290**	µS/cm	1	11/18/2024 13:24	R356899
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**15.7**	°C	1	11/18/2024 13:24	R356899
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.71**	mg/L	1	11/18/2024 13:24	R356899
SW-846 9040B FIELD									
pH	*	0	1.00		**6.37**		1	11/18/2024 13:24	R356899
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**516**	mg/L	1	11/19/2024 10:54	R356417
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	11/19/2024 10:54	R356417
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**1050**	mg/L	1	11/23/2024 11:19	R356657
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		**ND**	mg/L	10	11/19/2024 13:21	R356354
Chloride	NELAP	1.00	5.00		**9.36**	mg/L	10	11/19/2024 13:21	R356354
Sulfate	NELAP	3.00	10.0		**309**	mg/L	10	11/19/2024 13:21	R356354
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**160**	mg/L	1	11/20/2024 22:15	231371
Magnesium	NELAP	0.0550	0.500		**83.8**	mg/L	10	11/25/2024 14:55	231371
Potassium	NELAP	0.0400	0.100		**0.411**	mg/L	1	11/20/2024 22:15	231371
Sodium	NELAP	0.0180	0.0500		**58.2**	mg/L	1	11/20/2024 22:15	231371
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	11/20/2024 21:38	231371
Arsenic	NELAP	0.0004	0.0010		**0.0011**	mg/L	5	11/20/2024 21:38	231371
Barium	NELAP	0.0007	0.0010		**0.0448**	mg/L	5	11/20/2024 21:38	231371
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	11/20/2024 21:38	231371
Boron	NELAP	0.0092	0.0250		**1.82**	mg/L	5	11/20/2024 21:38	231371
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	11/20/2024 21:38	231371
Chromium	NELAP	0.0007	0.0015		**< 0.0015**	mg/L	5	11/20/2024 21:38	231371
Cobalt	NELAP	0.0001	0.0010	J	**0.0005**	mg/L	5	11/20/2024 21:38	231371
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	11/20/2024 21:38	231371
Lithium	*	0.0015	0.0030	J	**0.0018**	mg/L	5	11/20/2024 21:38	231371
Molybdenum	NELAP	0.0006	0.0015		**< 0.0015**	mg/L	5	11/20/2024 21:38	231371
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	11/20/2024 21:38	231371
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	11/20/2024 21:38	231371
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	11/20/2024 12:10	231369

Sample Summary

Client: Ramboll
Work Order: 24110014
Client Project: KIN-24Q4
Report Date: 17-Dec-24

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
24110014-001	MW-1	Groundwater	2	11/18/2024 11:17
24110014-002	MW-2	Groundwater	2	11/18/2024 10:32
24110014-003	MW-3	Groundwater	2	11/18/2024 13:30
24110014-004	MW-5	Groundwater	2	11/19/2024 11:40
24110014-005	MW-6	Groundwater	2	11/18/2024 11:40
24110014-006	MW-7	Groundwater	2	11/18/2024 12:21
24110014-007	MW-7S	Groundwater	2	11/18/2024 12:41
24110014-008	MW-8	Groundwater	2	11/18/2024 10:38
24110014-009	MW-8S	Groundwater	2	11/18/2024 0:00
24110014-010	MW-11	Groundwater	2	11/18/2024 11:55
24110014-011	MW-12	Groundwater	2	11/19/2024 13:42
24110014-012	MW-20	Groundwater	2	11/18/2024 14:03
24110014-013	MW-20S	Groundwater	2	11/19/2024 10:57
24110014-014	MW-23	Groundwater	2	11/18/2024 12:38
24110014-015	MW-27	Groundwater	2	11/18/2024 0:00
24110014-016	MW-28	Groundwater	2	11/19/2024 13:12
24110014-017	MW-30	Groundwater	2	11/19/2024 12:30
24110014-018	MW-31	Groundwater	2	11/18/2024 13:49
24110014-019	MW-31S	Groundwater	2	11/19/2024 12:04
24110014-020	MW-32	Groundwater	2	11/18/2024 13:24
24110014-025	PZ-4C	Groundwater	2	11/19/2024 9:44
24110014-026	SG-02	Groundwater	1	11/18/2024 9:55
24110014-027	XSG-01	Groundwater	1	11/18/2024 10:14
24110014-028	Field Blank	Aqueous	2	11/20/2024 10:31
24110014-029	MW-8 Duplicate	Groundwater	2	11/18/2024 10:38
24110014-030	MW-32 Duplicate	Groundwater	2	11/18/2024 13:24

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Quality Control Results

Client: Ramboll **Work Order:** 24110014

Client Project: KIN-24Q4 **Report Date:** 17-Dec-24

STANDARD METHODS 2510 B FIELD

Batch R356899 **SampType:** LCS Units **µS/cm**
SampID: LCS-1-BG

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	100.0	90	110	11/18/2024

Batch R356899 **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	99.6	90	110	11/18/2024

Batch R356899 **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	99.9	90	110	11/19/2024

Batch R356899 **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	99.9	90	110	11/20/2024

SW-846 9040B FIELD

Batch R356899 **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	11/18/2024

Batch R356899 **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	11/18/2024

Batch R356899 **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		**7.00**	7.000	0	100.0	98.57	101.4	11/19/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24110014

Client Project: KIN-24Q4 **Report Date:** 17-Dec-24

SW-846 9040B FIELD

Batch R356899 **SampType:** LCS Units

SampID: LCS-3-JC

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.01**	7.000	0	100.1	98.57	101.4	11/20/2024

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R356657 **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	J	**16**	16.00	0	100.0	-100	100	11/23/2024
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	11/23/2024
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	11/22/2024
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	11/22/2024
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	11/22/2024

Batch R356657 **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		**924**	1000	0	92.4	90	110	11/22/2024
Total Dissolved Solids		20		**936**	1000	0	93.6	90	110	11/22/2024
Total Dissolved Solids		20		**952**	1000	0	95.2	90	110	11/22/2024
Total Dissolved Solids		20		**988**	1000	0	98.8	90	110	11/23/2024
Total Dissolved Solids		20		**944**	1000	0	94.4	90	110	11/23/2024

Batch R356657 **SampType:** DUP Units **mg/L** RPD Limit **10**

SampID: 24111104-019ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20	H	**< 20**				0	0.00	11/22/2024

Batch R356657 **SampType:** DUP Units **mg/L** RPD Limit **10**

SampID: 24111493-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		25		**572**				585.0	2.16	11/22/2024

Batch R356657 **SampType:** DUP Units **mg/L** RPD Limit **10**

SampID: 24111493-004ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		33		**1650**				1683	1.80	11/23/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

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Client: Ramboll **Work Order:** 24110014

Client Project: KIN-24Q4 **Report Date:** 17-Dec-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R356657 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24111622-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		40		**544**				560.0	2.90	11/23/2024

Batch R356657 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24111631-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**1060**				1038	2.29	11/23/2024

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

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

Batch R356878 **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	11/27/2024
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	11/27/2024
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	11/27/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

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Client: Ramboll **Work Order:** 24110014

Client Project: KIN-24Q4 **Report Date:** 17-Dec-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R356878 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**1020**	1000	0	102.0	90	110	11/27/2024
Total Dissolved Solids		20		**966**	1000	0	96.6	90	110	11/27/2024
Total Dissolved Solids		20		**1000**	1000	0	100.2	90	110	11/27/2024

Batch R356878 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24111809-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		33	H	**1890**				1844	2.68	11/27/2024

Batch R356878 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24111944-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20	H	**626**				570.0	9.36	11/27/2024

Batch R356878 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24112164-002ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		50		**1590**				1750	9.58	11/27/2024

Batch R356878 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24112248-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		50		**480**				495.0	3.08	11/27/2024

Batch R357024 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	12/02/2024
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	12/02/2024
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	12/02/2024

Teklab, Inc.
Environmental Laboratory

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Client: Ramboll **Work Order:** 24110014

Client Project: KIN-24Q4 **Report Date:** 17-Dec-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R357024 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**942**	1000	0	94.2	90	110	12/02/2024
Total Dissolved Solids		20		**980**	1000	0	98.0	90	110	12/02/2024
Total Dissolved Solids		20		**1010**	1000	0	101.2	90	110	12/02/2024

Batch R357024 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24111631-003ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20	H	**496**				502.0	1.20	12/02/2024

Batch R357024 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24111811-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20	H	**1200**				1170	2.70	12/02/2024

Batch R357024 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24111853-005ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		33	H	**1290**				1296	0.78	12/02/2024

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R356354 **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**						11/19/2024
Chloride		0.50		**ND**						11/19/2024
Sulfate		1.00		**ND**						11/19/2024

Batch R356354 **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		**0.96**	1.000	0	96.1	90	110	11/19/2024
Chloride		0.50		**20.2**	20.00	0	101.1	90	110	11/19/2024
Sulfate		1.00		**18.4**	20.00	0	92.1	90	110	11/19/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24110014

Client Project: KIN-24Q4 **Report Date:** 17-Dec-24

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R356354 **SampType:** MS Units **mg/L**
SampID: 24110014-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**9.86**	10.00	0	98.6	80	120	11/19/2024
Chloride		5.00		**220**	200.0	13.65	103.1	80	120	11/19/2024
Sulfate		10.0		**279**	200.0	87.02	95.8	80	120	11/19/2024

Batch R356354 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24110014-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**9.86**	10.00	0	98.6	9.858	0.05	11/19/2024
Chloride		5.00		**219**	200.0	13.65	102.6	219.9	0.43	11/19/2024
Sulfate		10.0		**277**	200.0	87.02	95.1	278.6	0.54	11/19/2024

Batch R356354 **SampType:** MS Units **mg/L**
SampID: 24110014-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**10.0**	10.00	0.3810	96.3	80	120	11/19/2024
Chloride		5.00		**218**	200.0	14.17	102.0	80	120	11/19/2024
Sulfate		10.0		**329**	200.0	136.2	96.2	80	120	11/19/2024

Batch R356354 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24110014-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**10.0**	10.00	0.3810	96.5	10.01	0.19	11/19/2024
Chloride		5.00		**219**	200.0	14.17	102.3	218.2	0.25	11/19/2024
Sulfate		10.0		**329**	200.0	136.2	96.4	328.6	0.11	11/19/2024

Batch R356354 **SampType:** MS Units **mg/L**
SampID: 24111493-003AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**9.81**	10.00	0	98.1	80	120	11/19/2024
Chloride		5.00		**260**	200.0	46.84	106.4	80	120	11/19/2024
Sulfate		10.0		**433**	200.0	233.7	99.7	80	120	11/19/2024

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Client: Ramboll **Work Order:** 24110014

Client Project: KIN-24Q4 **Report Date:** 17-Dec-24

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R356354 **SampType:** MSD Units **mg/L** RPD Limit **15**

SampID: 24111493-003AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**9.84**	10.00	0	98.4	9.811	0.33	11/19/2024
Chloride		5.00		**260**	200.0	46.84	106.4	259.7	0.01	11/19/2024
Sulfate		10.0		**433**	200.0	233.7	99.5	433.2	0.09	11/19/2024

Batch R356354 **SampType:** MS Units **mg/L**

SampID: 24111493-005BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**10.6**	10.00	0.6910	99.0	80	120	11/19/2024
Chloride		5.00		**240**	200.0	28.55	105.9	80	120	11/19/2024
Sulfate		10.0		**365**	200.0	167.5	99.0	80	120	11/19/2024

Batch R356354 **SampType:** MSD Units **mg/L** RPD Limit **15**

SampID: 24111493-005BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**10.6**	10.00	0.6910	99.1	10.59	0.15	11/19/2024
Chloride		5.00		**241**	200.0	28.55	106.1	240.3	0.15	11/19/2024
Sulfate		10.0		**366**	200.0	167.5	99.4	365.5	0.20	11/19/2024

Batch R356433 **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**						11/20/2024
Chloride		0.50		**ND**						11/20/2024
Sulfate		1.00		**ND**						11/20/2024

Batch R356433 **SampType:** LCS Units **mg/L**

SampID: LCS/ICV/QCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.05		**0.97**	1.000	0	97.1	90	110	11/20/2024
Chloride		0.50		**20.3**	20.00	0	101.5	90	110	11/20/2024
Sulfate		1.00		**18.5**	20.00	0	92.4	90	110	11/20/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

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Client: Ramboll **Work Order:** 24110014

Client Project: KIN-24Q4 **Report Date:** 17-Dec-24

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R356433 **SampType:** MS Units **mg/L**
SampID: 24110014-004AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**9.99**	10.00	0	99.9	80	120	11/20/2024
Chloride		5.00		**256**	200.0	42.63	106.5	80	120	11/20/2024
Sulfate		10.0		**197**	200.0	10.04	93.6	80	120	11/20/2024

Batch R356433 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24110014-004AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**9.92**	10.00	0	99.2	9.994	0.72	11/20/2024
Chloride		5.00		**254**	200.0	42.63	105.5	255.6	0.81	11/20/2024
Sulfate		10.0		**196**	200.0	10.04	92.8	197.2	0.82	11/20/2024

Batch R356433 **SampType:** MS Units **mg/L**
SampID: 24110014-011AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**10.0**	10.00	0	100.0	80	120	11/20/2024
Chloride		5.00		**239**	200.0	29.50	104.9	80	120	11/20/2024
Sulfate		10.0		**550**	200.0	348.1	101.2	80	120	11/20/2024

Batch R356433 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24110014-011AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**10.0**	10.00	0	100.2	9.995	0.24	11/20/2024
Chloride		5.00		**239**	200.0	29.50	104.8	239.4	0.14	11/20/2024
Sulfate		10.0		**549**	200.0	348.1	100.4	550.4	0.30	11/20/2024

Batch R356433 **SampType:** MS Units **mg/L**
SampID: 24111493-008BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		100		**7750**	2000	5587	108.0	80	120	11/20/2024

Batch R356433 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24111493-008BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		100		**7750**	2000	5587	108.2	7747	0.06	11/20/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24110014

Client Project: KIN-24Q4 **Report Date:** 17-Dec-24

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R356433 **SampType:** MS Units **mg/L**
SampID: 24111622-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**10.1**	10.00	0.2150	98.4	80	120	11/20/2024
Chloride		5.00		**233**	200.0	25.03	103.9	80	120	11/20/2024
Sulfate		10.0		**225**	200.0	38.04	93.4	80	120	11/20/2024

Batch R356433 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24111622-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**9.99**	10.00	0.2150	97.8	10.05	0.61	11/20/2024
Chloride		5.00		**232**	200.0	25.03	103.4	232.8	0.44	11/20/2024
Sulfate		10.0		**224**	200.0	38.04	92.8	224.8	0.53	11/20/2024

Batch R356433 **SampType:** MS Units **mg/L**
SampID: 24111631-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**9.95**	10.00	0	99.5	80	120	11/20/2024
Chloride		5.00		**310**	200.0	91.10	109.6	80	120	11/20/2024
Sulfate		10.0		**449**	200.0	249.7	99.7	80	120	11/20/2024

Batch R356433 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24111631-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**9.98**	10.00	0	99.8	9.953	0.31	11/20/2024
Chloride		5.00		**310**	200.0	91.10	109.3	310.4	0.22	11/20/2024
Sulfate		10.0		**448**	200.0	249.7	99.0	449.1	0.31	11/20/2024

Batch R356433 **SampType:** MS Units **mg/L**
SampID: 24111631-004BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**10.4**	10.00	0.5120	99.4	80	120	11/20/2024
Chloride		5.00		**288**	200.0	70.58	108.9	80	120	11/20/2024
Sulfate		10.0		**1190**	200.0	979.2	105.6	80	120	11/20/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24110014

Client Project: KIN-24Q4 **Report Date:** 17-Dec-24

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R356433 **SampType:** MSD Units **mg/L** RPD Limit **15**

SampID: 24111631-004BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**10.5**	10.00	0.5120	99.5	10.45	0.15	11/20/2024
Chloride		5.00		**289**	200.0	70.58	109.0	288.4	0.07	11/20/2024
Sulfate		10.0		**1190**	200.0	979.2	105.8	1190	0.04	11/20/2024

Batch R356433 **SampType:** MS Units **mg/L**

SampID: 24111660-003AMS

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	11/20/2024
Chloride		5.00		**264**	200.0	49.45	107.1	80	120	11/20/2024
Sulfate		10.0		**209**	200.0	21.28	94.0	80	120	11/20/2024

Batch R356433 **SampType:** MSD Units **mg/L** RPD Limit **15**

SampID: 24111660-003AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**9.84**	10.00	0	98.4	9.842	0.02	11/20/2024
Chloride		5.00		**263**	200.0	49.45	106.6	263.6	0.33	11/20/2024
Sulfate		10.0		**209**	200.0	21.28	93.7	209.2	0.29	11/20/2024

Batch R356433 **SampType:** MS Units **mg/L**

SampID: 24111677-001AMS

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	11/21/2024
Chloride		5.00		**222**	200.0	13.18	104.3	80	120	11/21/2024
Sulfate		10.0		**189**	200.0	0	94.7	80	120	11/21/2024

Batch R356433 **SampType:** MSD Units **mg/L** RPD Limit **15**

SampID: 24111677-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**9.84**	10.00	0	98.4	9.837	0.02	11/21/2024
Chloride		5.00		**222**	200.0	13.18	104.2	221.7	0.09	11/21/2024
Sulfate		10.0		**189**	200.0	0	94.7	189.5	0.05	11/21/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24110014

Client Project: KIN-24Q4 **Report Date:** 17-Dec-24

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R356433 **SampType:** MS Units **mg/L**
SampID: 24111678-004AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**9.96**	10.00	0	99.6	80	120	11/21/2024
Chloride		5.00		**271**	200.0	57.37	106.7	80	120	11/21/2024
Sulfate		10.0		**259**	200.0	70.09	94.6	80	120	11/21/2024

Batch R356433 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24111678-004AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**9.98**	10.00	0	99.8	9.961	0.18	11/21/2024
Chloride		5.00		**271**	200.0	57.37	106.8	270.8	0.05	11/21/2024
Sulfate		10.0		**259**	200.0	70.09	94.5	259.3	0.10	11/21/2024

Batch R356537 **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**						11/21/2024
Chloride		0.50		**ND**						11/21/2024
Sulfate		1.00		**ND**						11/21/2024

Batch R356537 **SampType:** LCS Units **mg/L**
SampID: LCS/ICV/QCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.05		**0.97**	1.000	0	97.3	90	110	11/21/2024
Chloride		0.50		**20.3**	20.00	0	101.5	90	110	11/21/2024
Sulfate		1.00		**18.5**	20.00	0	92.5	90	110	11/21/2024

Batch R356537 **SampType:** MS Units **mg/L**
SampID: 24110014-021AMS

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	11/21/2024
Chloride		5.00		**235**	200.0	24.57	105.4	80	120	11/21/2024
Sulfate		10.0		**366**	200.0	169.0	98.4	80	120	11/21/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24110014

Client Project: KIN-24Q4 **Report Date:** 17-Dec-24

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R356537 **SampType:** MSD Units **mg/L** RPD Limit **15**

SampID: 24110014-021AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**10.1**	10.00	0	101.0	10.06	0.37	11/21/2024
Chloride		5.00		**236**	200.0	24.57	105.7	235.4	0.21	11/21/2024
Sulfate		10.0		**366**	200.0	169.0	98.2	365.9	0.10	11/21/2024

Batch R356537 **SampType:** MS Units **mg/L**

SampID: 24110910-005BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**10.2**	10.00	0.3690	98.6	80	120	11/21/2024
Chloride		5.00		**244**	200.0	31.98	105.8	80	120	11/21/2024
Sulfate		10.0		**1640**	200.0	1446	99.2	80	120	11/21/2024

Batch R356537 **SampType:** MSD Units **mg/L** RPD Limit **15**

SampID: 24110910-005BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**10.3**	10.00	0.3690	99.4	10.23	0.74	11/21/2024
Chloride		5.00		**245**	200.0	31.98	106.7	243.5	0.79	11/21/2024
Sulfate		10.0		**1660**	200.0	1446	104.9	1644	0.69	11/21/2024

Batch R356537 **SampType:** MS Units **mg/L**

SampID: 24111734-003AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**10.4**	10.00	0.5040	99.1	80	120	11/21/2024
Chloride		5.00		**220**	200.0	11.83	103.9	80	120	11/21/2024
Sulfate		10.0		**246**	200.0	55.98	95.1	80	120	11/21/2024

Batch R356537 **SampType:** MSD Units **mg/L** RPD Limit **15**

SampID: 24111734-003AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**10.4**	10.00	0.5040	99.1	10.41	0.06	11/21/2024
Chloride		5.00		**220**	200.0	11.83	103.9	219.5	0.00	11/21/2024
Sulfate		10.0		**246**	200.0	55.98	95.0	246.2	0.04	11/21/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24110014

Client Project: KIN-24Q4 **Report Date:** 17-Dec-24

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R356537 **SampType:** MS Units **mg/L**
SampID: 24111734-011AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**10.3**	10.00	0.4410	98.9	80	120	11/21/2024
Chloride		5.00		**237**	200.0	27.45	104.8	80	120	11/21/2024
Sulfate		10.0		**246**	200.0	55.72	94.9	80	120	11/21/2024

Batch R356537 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24111734-011AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**10.4**	10.00	0.4410	99.2	10.33	0.28	11/21/2024
Chloride		5.00		**237**	200.0	27.45	105.0	237.1	0.18	11/21/2024
Sulfate		10.0		**245**	200.0	55.72	94.8	245.6	0.09	11/21/2024

Batch R356537 **SampType:** MS Units **mg/L**
SampID: 24111735-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**10.1**	10.00	0	100.8	80	120	11/21/2024
Chloride		5.00		**226**	200.0	17.52	104.2	80	120	11/21/2024
Sulfate		10.0		**349**	200.0	152.7	98.0	80	120	11/21/2024

Batch R356537 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24111735-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**10.1**	10.00	0	101.0	10.08	0.19	11/21/2024
Chloride		5.00		**226**	200.0	17.52	104.3	226.0	0.04	11/21/2024
Sulfate		10.0		**348**	200.0	152.7	97.8	348.8	0.15	11/21/2024

Batch R356537 **SampType:** MS Units **mg/L**
SampID: 24111752-003BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**10.1**	10.00	0	100.7	80	120	11/21/2024
Chloride		5.00		**213**	200.0	6.467	103.2	80	120	11/21/2024
Sulfate		10.0		**204**	200.0	16.50	93.9	80	120	11/21/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

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Client: Ramboll **Work Order:** 24110014

Client Project: KIN-24Q4 **Report Date:** 17-Dec-24

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R356537 **SampType:** MSD Units **mg/L** RPD Limit **15**

SampID: 24111752-003BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**10.1**	10.00	0	100.6	10.07	0.10	11/21/2024
Chloride		5.00		**213**	200.0	6.467	103.2	212.9	0.02	11/21/2024
Sulfate		10.0		**204**	200.0	16.50	93.8	204.3	0.06	11/21/2024

Batch R356537 **SampType:** MS Units **mg/L**

SampID: 24111796-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		5.00		**100**	100.0	0	100.4	80	120	11/21/2024
Chloride		50.0		**6680**	2000	4449	111.7	80	120	11/21/2024
Sulfate		100		**2110**	2000	211.0	94.8	80	120	11/21/2024

Batch R356537 **SampType:** MSD Units **mg/L** RPD Limit **15**

SampID: 24111796-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		5.00		**101**	100.0	0	100.5	100.4	0.11	11/21/2024
Chloride		50.0		**6680**	2000	4449	111.7	6684	0.01	11/21/2024
Sulfate		100		**2110**	2000	211.0	94.8	2107	0.01	11/21/2024

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 231371 **SampType:** MBLK Units **mg/L**

SampID: MBLK-231371

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	11/20/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	11/20/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	11/20/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	11/20/2024

Batch 231371 **SampType:** LCS Units **mg/L**

SampID: LCS-231371

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**5.06**	5.000	0	101.2	85	115	11/20/2024
Magnesium		0.0500		**4.75**	5.000	0	94.9	85	115	11/20/2024
Potassium		0.100		**5.10**	5.000	0	101.9	85	115	11/20/2024
Sodium		0.0500		**5.21**	5.000	0	104.1	85	115	11/20/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24110014

Client Project: KIN-24Q4 **Report Date:** 17-Dec-24

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 231371 **SampType:** MS Units **mg/L**
SampID: 24110014-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**62.4**	5.000	56.60	116.6	75	125	11/20/2024
Magnesium		0.0500		**30.4**	5.000	25.61	96.0	75	125	11/22/2024
Potassium		0.100		**5.45**	5.000	0.2841	103.3	75	125	11/20/2024
Sodium		0.0500		**20.2**	5.000	16.39	76.8	75	125	11/20/2024

Batch 231371 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24110014-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100		**60.9**	5.000	56.60	86.8	62.43	2.42	11/20/2024
Magnesium		0.0500		**30.3**	5.000	25.61	94.7	30.40	0.21	11/22/2024
Potassium		0.100		**5.41**	5.000	0.2841	102.5	5.450	0.74	11/20/2024
Sodium		0.0500		**20.2**	5.000	16.39	75.6	20.23	0.30	11/20/2024

Batch 231431 **SampType:** MBLK Units **mg/L**
SampID: MBLK-231431

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0250		**< 0.0250**	0.0087	0	0	-100	100	11/21/2024
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	11/21/2024
Lead		0.0150		**< 0.0150**	0.0040	0	0	-100	100	11/21/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	11/21/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	11/21/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	11/21/2024

Batch 231431 **SampType:** LCS Units **mg/L**
SampID: LCS-231431

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0250		**1.02**	1.000	0	102.5	85	115	11/21/2024
Calcium		0.100		**4.99**	5.000	0	99.8	85	115	11/21/2024
Lead		0.0150		**0.990**	1.000	0	99.0	85	115	11/21/2024
Magnesium		0.0500		**4.66**	5.000	0	93.1	85	115	11/21/2024
Potassium		0.100		**5.07**	5.000	0	101.4	85	115	11/21/2024
Sodium		0.0500		**5.12**	5.000	0	102.3	85	115	11/21/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24110014

Client Project: KIN-24Q4 **Report Date:** 17-Dec-24

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 231431 **SampType:** MS Units **mg/L**
SampID: 24111631-003DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**61.6**	5.000	57.49	82.0	75	125	11/21/2024
Magnesium		0.0500		**4.54**	5.000	0	90.8	75	125	11/21/2024

Batch 231431 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24111631-003DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100		**63.4**	5.000	57.49	117.4	61.59	2.83	11/21/2024
Magnesium		0.0500		**4.70**	5.000	0	93.9	4.538	3.41	11/21/2024

Batch 231433 **SampType:** MBLK Units **mg/L**
SampID: MBLK-231433

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0250		**< 0.0250**	0.0087	0	0	-100	100	11/21/2024
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	11/21/2024
Lead		0.0150		**< 0.0150**	0.0040	0	0	-100	100	11/21/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	11/21/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	11/21/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	11/21/2024

Batch 231433 **SampType:** LCS Units **mg/L**
SampID: LCS-231433

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0250		**0.975**	1.000	0	97.5	85	115	11/21/2024
Calcium		0.100		**4.89**	5.000	0	97.8	85	115	11/21/2024
Lead		0.0150		**0.956**	1.000	0	95.6	85	115	11/21/2024
Magnesium		0.0500		**4.49**	5.000	0	89.8	85	115	11/21/2024
Potassium		0.100		**4.85**	5.000	0	97.0	85	115	11/21/2024
Sodium		0.0500		**5.01**	5.000	0	100.3	85	115	11/21/2024

Batch 231433 **SampType:** MS Units **mg/L**
SampID: 24110014-017BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**112**	5.000	107.6	83.0	75	125	11/21/2024
Magnesium		0.0500		**57.7**	5.000	53.47	85.0	75	125	11/21/2024
Potassium		0.100		**5.62**	5.000	0.6762	98.9	75	125	11/21/2024
Sodium		0.0500	S	**47.2**	5.000	44.10	61.0	75	125	11/21/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24110014

Client Project: KIN-24Q4 **Report Date:** 17-Dec-24

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 231433 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 24110014-017BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**116**	5.000	107.6	160.0	111.7	3.39	11/21/2024
Magnesium		0.0500		**59.5**	5.000	53.47	120.4	57.72	3.03	11/21/2024
Potassium		0.100		**5.78**	5.000	0.6762	102.1	5.623	2.73	11/21/2024
Sodium		0.0500		**48.9**	5.000	44.10	95.8	47.15	3.62	11/21/2024

Batch 231490 **SampType:** MBLK Units **mg/L**

SampID: MBLK-231490

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	11/26/2024
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	11/25/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	11/25/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	11/26/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	11/26/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	11/25/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	11/26/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	11/25/2024

Batch 231490 **SampType:** LCS Units **mg/L**

SampID: LCS-231490

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**4.69**	5.000	0	93.9	85	115	11/25/2024
Calcium		0.100		**5.04**	5.000	0	100.8	85	115	11/26/2024
Magnesium		0.0500		**4.69**	5.000	0	93.7	85	115	11/26/2024
Magnesium		0.0500		**4.74**	5.000	0	94.8	85	115	11/25/2024
Potassium		0.100		**5.32**	5.000	0	106.4	85	115	11/25/2024
Potassium		0.100		**5.13**	5.000	0	102.6	85	115	11/26/2024
Sodium		0.0500		**5.26**	5.000	0	105.3	85	115	11/25/2024
Sodium		0.0500		**4.89**	5.000	0	97.9	85	115	11/26/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24110014

Client Project: KIN-24Q4 **Report Date:** 17-Dec-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 231371 **SampType:** MBLK Units **mg/L**

SampID: MBLK-231371

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	11/20/2024
Arsenic		0.0010		**< 0.0010**	0.0004	0	0	-100	100	11/20/2024
Barium		0.0010		**< 0.0010**	0.0007	0	0	-100	100	11/20/2024
Beryllium		0.0010		**< 0.0010**	0.0002	0	0	-100	100	11/20/2024
Boron		0.0250		**< 0.0250**	0.0093	0	0	-100	100	11/20/2024
Cadmium		0.0010		**< 0.0010**	0.0001	0	0	-100	100	11/20/2024
Chromium		0.0015		**< 0.0015**	0.0007	0	0	-100	100	11/20/2024
Cobalt		0.0010		**< 0.0010**	0.0001	0	0	-100	100	11/20/2024
Lead		0.0010		**< 0.0010**	0.0006	0	0	-100	100	11/20/2024
Lithium	*	0.0030		**< 0.0030**	0.0015	0	0	-100	100	11/20/2024
Molybdenum		0.0015		**< 0.0015**	0.0006	0	0	-100	100	11/20/2024
Selenium		0.0010		**< 0.0010**	0.0006	0	0	-100	100	11/20/2024
Thallium		0.0020		**< 0.0020**	0.0010	0	0	-100	100	11/20/2024

Batch 231371 **SampType:** LCS Units **mg/L**

SampID: LCS-231371

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		**0.946**	1.000	0	94.6	80	120	11/20/2024
Arsenic		0.0010		**1.02**	1.000	0	101.7	80	120	11/20/2024
Barium		0.0010		**4.38**	4.000	0	109.6	80	120	11/20/2024
Beryllium		0.0010		**0.0993**	0.1000	0	99.3	80	120	11/20/2024
Boron		0.0250		**0.979**	1.000	0	97.9	80	120	11/20/2024
Cadmium		0.0010		**0.113**	0.1000	0	112.9	80	120	11/20/2024
Chromium		0.0015		**0.410**	0.4000	0	102.6	80	120	11/20/2024
Cobalt		0.0010		**1.00**	1.000	0	100.2	80	120	11/20/2024
Lead		0.0010		**1.01**	1.000	0	101.1	80	120	11/20/2024
Lithium	*	0.0030		**0.999**	1.000	0	99.9	80	120	11/20/2024
Molybdenum		0.0015		**1.04**	1.000	0	103.8	80	120	11/20/2024
Selenium		0.0010		**1.00**	1.000	0	100.4	80	120	11/20/2024
Thallium		0.0020		**0.489**	0.5000	0	97.9	80	120	11/20/2024

Teklab, Inc.
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Quality Control Results

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Client: Ramboll **Work Order:** 24110014

Client Project: KIN-24Q4 **Report Date:** 17-Dec-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 231371 **SampType:** MS Units **mg/L**

SampID: 24110014-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		**0.950**	1.000	0	95.0	75	125	11/20/2024
Arsenic		0.0010		**0.989**	1.000	0	98.9	75	125	11/20/2024
Barium		0.0010		**4.39**	4.000	0.05532	108.4	75	125	11/20/2024
Beryllium		0.0010		**0.104**	0.1000	0	103.8	75	125	11/20/2024
Cadmium		0.0010		**0.112**	0.1000	0	111.8	75	125	11/20/2024
Chromium		0.0015		**0.400**	0.4000	0	100.1	75	125	11/20/2024
Cobalt		0.0010		**0.950**	1.000	0.0001179	95.0	75	125	11/20/2024
Lead		0.0010		**1.02**	1.000	0	101.9	75	125	11/20/2024
Lithium	*	0.0030		**1.05**	1.000	0.001870	104.5	75	125	11/20/2024
Molybdenum		0.0015		**1.04**	1.000	0	103.8	75	125	11/20/2024
Selenium		0.0010		**0.990**	1.000	0	99.0	75	125	11/20/2024
Thallium		0.0020		**0.492**	0.5000	0	98.3	75	125	11/20/2024

Batch 231371 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 24110014-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		0.0010		**0.937**	1.000	0	93.7	0.9499	1.32	11/20/2024
Arsenic		0.0010		**0.998**	1.000	0	99.8	0.9885	0.95	11/20/2024
Barium		0.0010		**4.33**	4.000	0.05532	106.8	4.393	1.47	11/20/2024
Beryllium		0.0010		**0.0981**	0.1000	0	98.1	0.1038	5.71	11/20/2024
Cadmium		0.0010		**0.111**	0.1000	0	110.9	0.1118	0.85	11/20/2024
Chromium		0.0015		**0.396**	0.4000	0	98.9	0.4004	1.19	11/20/2024
Cobalt		0.0010		**0.945**	1.000	0.0001179	94.5	0.9504	0.56	11/20/2024
Lead		0.0010		**0.994**	1.000	0	99.4	1.019	2.46	11/20/2024
Lithium	*	0.0030		**1.01**	1.000	0.001870	100.4	1.047	4.02	11/20/2024
Molybdenum		0.0015		**1.03**	1.000	0	103.4	1.038	0.31	11/20/2024
Selenium		0.0010		**0.990**	1.000	0	99.0	0.9897	0.06	11/20/2024
Thallium		0.0020		**0.493**	0.5000	0	98.6	0.4915	0.28	11/20/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24110014

Client Project: KIN-24Q4 **Report Date:** 17-Dec-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 231431 **SampType:** MBLK Units **mg/L**

SampID: MBLK-231431

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	11/22/2024
Arsenic		0.0010		**< 0.0010**	0.0004	0	0	-100	100	11/22/2024
Barium		0.0010		**< 0.0010**	0.0007	0	0	-100	100	11/22/2024
Beryllium		0.0010		**< 0.0010**	0.0002	0	0	-100	100	11/22/2024
Boron	*	0.0250		**< 0.0250**	0.0093	0	0	-100	100	11/22/2024
Cadmium		0.0010		**< 0.0010**	0.0001	0	0	-100	100	11/22/2024
Chromium		0.0015		**< 0.0015**	0.0007	0	0	-100	100	11/22/2024
Cobalt		0.0010		**< 0.0010**	0.0001	0	0	-100	100	11/22/2024
Lead		0.0010		**< 0.0010**	0.0006	0	0	-100	100	11/22/2024
Lithium	*	0.0030		**< 0.0030**	0.0015	0	0	-100	100	11/22/2024
Molybdenum		0.0015		**< 0.0015**	0.0006	0	0	-100	100	11/22/2024
Selenium		0.0010		**< 0.0010**	0.0006	0	0	-100	100	11/22/2024
Thallium		0.0020		**< 0.0020**	0.0010	0	0	-100	100	11/22/2024

Batch 231431 **SampType:** LCS Units **mg/L**

SampID: LCS-231431

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010	E	**1.13**	1.000	0	113.3	85	115	11/22/2024
Arsenic		0.0010		**1.06**	1.000	0	106.3	85	115	11/22/2024
Barium		0.0010		**4.30**	4.000	0	107.5	85	115	11/22/2024
Beryllium		0.0010		**0.107**	0.1000	0	107.0	85	115	11/22/2024
Boron	*	0.0250		**1.03**	1.000	0	103.0	85	115	11/22/2024
Cadmium		0.0010		**0.111**	0.1000	0	111.4	85	115	11/22/2024
Chromium		0.0015		**0.416**	0.4000	0	104.1	85	115	11/22/2024
Cobalt		0.0010		**0.985**	1.000	0	98.5	85	115	11/22/2024
Lead		0.0010	E	**1.03**	1.000	0	102.7	85	115	11/22/2024
Lithium	*	0.0030		**1.07**	1.000	0	106.7	85	115	11/22/2024
Molybdenum		0.0015		**1.04**	1.000	0	103.7	85	115	11/22/2024
Selenium		0.0010		**0.994**	1.000	0	99.4	85	115	11/22/2024
Thallium		0.0020		**0.491**	0.5000	0	98.1	85	115	11/22/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

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Client: Ramboll **Work Order:** 24110014

Client Project: KIN-24Q4 **Report Date:** 17-Dec-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 231431 **SampType:** MS Units **mg/L**

SampID: 24111631-003DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0010		**0.976**	1.000	0.02101	95.5	70	130	11/22/2024
Barium		0.0010		**4.20**	4.000	0.08572	102.9	70	130	11/22/2024
Beryllium		0.0010		**0.104**	0.1000	0	103.7	70	130	11/22/2024
Boron	*	0.0250		**9.25**	1.000	8.051	119.8	70	130	11/27/2024
Cadmium		0.0010		**0.107**	0.1000	0.0009327	105.7	70	130	11/22/2024
Chromium		0.0015		**0.385**	0.4000	0	96.3	70	130	11/22/2024
Lead		0.0010	E	**1.01**	1.000	0	100.5	70	130	11/22/2024
Selenium		0.0010		**0.944**	1.000	0.03647	90.8	70	130	11/22/2024

Batch 231431 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 24111631-003DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		0.0010		**0.976**	1.000	0.02101	95.5	0.9761	0.02	11/22/2024
Barium		0.0010		**4.62**	4.000	0.08572	113.4	4.204	9.48	11/22/2024
Beryllium		0.0010		**0.106**	0.1000	0	105.8	0.1037	2.04	11/22/2024
Boron	*	0.0250		**8.97**	1.000	8.051	92.1	9.249	3.04	11/27/2024
Cadmium		0.0010		**0.118**	0.1000	0.0009327	117.2	0.1066	10.29	11/22/2024
Chromium		0.0015		**0.389**	0.4000	0	97.2	0.3854	0.86	11/22/2024
Lead		0.0010	E	**1.07**	1.000	0	106.5	1.005	5.82	11/22/2024
Selenium		0.0010		**0.927**	1.000	0.03647	89.0	0.9443	1.88	11/22/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24110014

Client Project: KIN-24Q4 **Report Date:** 17-Dec-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 231433 **SampType:** MBLK Units **mg/L**

SampID: MBLK-231433

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	11/22/2024
Arsenic		0.0010		**< 0.0010**	0.0004	0	0	-100	100	11/26/2024
Barium		0.0010		**< 0.0010**	0.0007	0	0	-100	100	11/26/2024
Beryllium		0.0010		**< 0.0010**	0.0002	0	0	-100	100	11/22/2024
Boron	*	0.0250		**< 0.0250**	0.0093	0	0	-100	100	11/26/2024
Cadmium		0.0010		**< 0.0010**	0.0001	0	0	-100	100	11/26/2024
Chromium		0.0015		**< 0.0015**	0.0007	0	0	-100	100	11/26/2024
Cobalt		0.0010		**< 0.0010**	0.0001	0	0	-100	100	11/22/2024
Lead		0.0010		**< 0.0010**	0.0006	0	0	-100	100	11/22/2024
Lithium	*	0.0030		**< 0.0030**	0.0015	0	0	-100	100	11/22/2024
Molybdenum		0.0015		**< 0.0015**	0.0006	0	0	-100	100	11/22/2024
Selenium		0.0010		**< 0.0010**	0.0006	0	0	-100	100	11/26/2024
Thallium		0.0020		**< 0.0020**	0.0010	0	0	-100	100	11/22/2024

Batch 231433 **SampType:** LCS Units **mg/L**

SampID: LCS-231433

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010	SE	**1.17**	1.000	0	117.1	85	115	11/22/2024
Antimony		0.0010		**1.06**	1.000	0	105.9	85	115	11/27/2024
Arsenic		0.0010		**0.957**	1.000	0	95.7	85	115	11/26/2024
Barium		0.0010		**4.45**	4.000	0	111.3	85	115	11/26/2024
Beryllium		0.0010		**0.107**	0.1000	0	107.2	85	115	11/22/2024
Boron	*	0.0250		**0.931**	1.000	0	93.1	85	115	11/26/2024
Cadmium		0.0010		**0.0970**	0.1000	0	97.0	85	115	11/26/2024
Chromium		0.0015		**0.380**	0.4000	0	95.0	85	115	11/26/2024
Cobalt		0.0010		**0.986**	1.000	0	98.6	85	115	11/22/2024
Lead		0.0010	E	**1.10**	1.000	0	110.0	85	115	11/22/2024
Lithium	*	0.0030		**1.08**	1.000	0	108.1	85	115	11/22/2024
Molybdenum		0.0015		**1.02**	1.000	0	102.4	85	115	11/22/2024
Selenium		0.0010		**0.959**	1.000	0	95.9	85	115	11/26/2024
Thallium		0.0020		**0.520**	0.5000	0	104.1	85	115	11/22/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

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Client: Ramboll **Work Order:** 24110014

Client Project: KIN-24Q4 **Report Date:** 17-Dec-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 231433 **SampType:** MS Units **mg/L**

SampID: 24110014-017BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		**1.17**	1.000	0	116.6	75	125	11/27/2024
Arsenic		0.0010		**1.11**	1.000	0.02108	108.9	75	125	11/27/2024
Barium		0.0020		**4.40**	4.000	0.1917	105.2	75	125	12/03/2024
Beryllium		0.0010		**0.104**	0.1000	0	104.5	75	125	11/22/2024
Boron		0.0250		**2.13**	1.000	1.139	98.9	75	125	11/22/2024
Cadmium		0.0010		**0.113**	0.1000	0	112.6	75	125	11/27/2024
Chromium		0.0015		**0.402**	0.4000	0	100.5	75	125	11/22/2024
Cobalt		0.0010		**0.931**	1.000	0.002438	92.9	75	125	11/22/2024
Lead		0.0010		**1.04**	1.000	0	103.9	75	125	11/22/2024
Lithium	*	0.0030		**1.02**	1.000	0	102.2	75	125	11/22/2024
Molybdenum		0.0015		**1.18**	1.000	0.001665	118.2	75	125	12/02/2024
Selenium		0.0010		**1.07**	1.000	0	107.3	75	125	11/27/2024
Thallium		0.0020		**0.490**	0.5000	0	98.1	75	125	11/22/2024

Batch 231433 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 24110014-017BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		0.0010		**1.18**	1.000	0	117.9	1.166	1.11	11/27/2024
Arsenic		0.0010		**1.15**	1.000	0.02108	112.7	1.111	3.30	11/27/2024
Barium		0.0020		**4.55**	4.000	0.1917	108.9	4.399	3.35	12/03/2024
Beryllium		0.0010		**0.106**	0.1000	0	105.8	0.1045	1.29	11/22/2024
Boron		0.0250		**2.16**	1.000	1.139	102.0	2.128	1.47	11/22/2024
Cadmium		0.0010		**0.115**	0.1000	0	115.5	0.1126	2.49	11/27/2024
Chromium		0.0015		**0.401**	0.4000	0	100.3	0.4019	0.19	11/22/2024
Cobalt		0.0010		**0.954**	1.000	0.002438	95.2	0.9311	2.45	11/22/2024
Lead		0.0010		**1.04**	1.000	0	103.8	1.039	0.08	11/22/2024
Lithium	*	0.0030		**1.04**	1.000	0	103.9	1.022	1.63	11/22/2024
Molybdenum		0.0015		**1.15**	1.000	0.001665	115.2	1.183	2.56	12/02/2024
Selenium		0.0010		**1.10**	1.000	0	109.9	1.073	2.40	11/27/2024
Thallium		0.0020		**0.508**	0.5000	0	101.6	0.4904	3.56	11/22/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24110014

Client Project: KIN-24Q4 **Report Date:** 17-Dec-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 231490 **SampType:** MBLK Units **mg/L**

SampID: MBLK-231490

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	11/25/2024
Arsenic		0.0010		**< 0.0010**	0.0004	0	0	-100	100	11/25/2024
Barium		0.0010		**< 0.0010**	0.0007	0	0	-100	100	11/25/2024
Beryllium		0.0010		**< 0.0010**	0.0002	0	0	-100	100	11/25/2024
Boron	*	0.0250		**< 0.0250**	0.0093	0	0	-100	100	11/25/2024
Cadmium		0.0010		**< 0.0010**	0.0001	0	0	-100	100	11/25/2024
Chromium		0.0015		**< 0.0015**	0.0007	0	0	-100	100	12/02/2024
Chromium		0.0015	S	**0.0025**	0.0007	0	355.7	-100	100	11/27/2024
Cobalt		0.0010		**< 0.0010**	0.0001	0	0	-100	100	11/25/2024
Lead		0.0010		**< 0.0010**	0.0006	0	0	-100	100	11/25/2024
Lithium	*	0.0030		**< 0.0030**	0.0015	0	0	-100	100	11/25/2024
Molybdenum		0.0015		**< 0.0015**	0.0006	0	0	-100	100	11/25/2024
Selenium		0.0010		**< 0.0010**	0.0006	0	0	-100	100	11/25/2024
Thallium		0.0020		**< 0.0020**	0.0010	0	0	-100	100	11/25/2024

Batch 231490 **SampType:** LCS Units **mg/L**

SampID: LCS-231490

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010	E	**1.14**	1.000	0	113.6	85	115	11/25/2024
Arsenic		0.0010		**1.12**	1.000	0	111.9	85	115	11/25/2024
Barium		0.0010		**4.41**	4.000	0	110.3	85	115	11/27/2024
Beryllium		0.0010		**0.104**	0.1000	0	103.6	85	115	11/25/2024
Boron	*	0.0250		**1.01**	1.000	0	101.4	85	115	11/25/2024
Cadmium		0.0010		**0.110**	0.1000	0	110.0	85	115	11/25/2024
Chromium		0.0015		**0.386**	0.4000	0	96.4	85	115	11/27/2024
Cobalt		0.0010		**1.09**	1.000	0	108.6	85	115	11/25/2024
Lead		0.0010	E	**0.905**	1.000	0	90.5	85	115	11/25/2024
Lithium	*	0.0030		**1.06**	1.000	0	106.2	85	115	11/25/2024
Molybdenum		0.0015		**1.08**	1.000	0	108.0	85	115	11/25/2024
Selenium		0.0010		**1.10**	1.000	0	109.9	85	115	11/25/2024
Thallium		0.0020		**0.464**	0.5000	0	92.9	85	115	11/25/2024

Batch 231490 **SampType:** MS Units **mg/L**

SampID: 24111734-023BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Selenium		0.0010		**1.15**	1.000	0	115.2	70	130	11/25/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24110014

Client Project: KIN-24Q4 **Report Date:** 17-Dec-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 231490 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 24111734-023BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Selenium		0.0010		**1.14**	1.000	0	113.6	1.152	1.32	11/25/2024

Batch 232040 **SampType:** MBLK Units **mg/L**

SampID: MBLK-232040

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	12/11/2024
Arsenic		0.0010		**< 0.0010**	0.0004	0	0	-100	100	12/10/2024
Boron	*	0.0250		**< 0.0250**	0.0093	0	0	-100	100	12/10/2024
Boron	*	0.0250		**< 0.0250**	0.0093	0	0	-100	100	12/11/2024
Cobalt		0.0010		**< 0.0010**	0.0001	0	0	-100	100	12/10/2024
Lead		0.0010	S	**0.443**	0.0006	0	73810	-100	100	12/11/2024
Lead		0.0010	S	**0.408**	0.0006	0	68040	-100	100	12/10/2024
Lithium	*	0.0030		**< 0.0030**	0.0015	0	0	-100	100	12/10/2024
Molybdenum		0.0015		**< 0.0015**	0.0006	0	0	-100	100	12/10/2024
Selenium		0.0010		**< 0.0010**	0.0006	0	0	-100	100	12/10/2024

Batch 232040 **SampType:** LCS Units **mg/L**

SampID: LCS-232040

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010	S	**1.17**	1.000	0	116.6	85	115	12/11/2024
Arsenic		0.0010		**1.00**	1.000	0	100.5	85	115	12/10/2024
Boron	*	0.0250		**1.01**	1.000	0	100.5	85	115	12/11/2024
Boron	*	0.0250		**0.973**	1.000	0	97.3	85	115	12/10/2024
Cobalt		0.0010		**0.994**	1.000	0	99.4	85	115	12/10/2024
Lead		0.0010	BE	**1.00**	1.000	0	100.5	85	115	12/10/2024
Lead		0.0010	B	**1.12**	1.000	0	111.7	85	115	12/11/2024
Lithium	*	0.0030		**0.927**	1.000	0	92.7	85	115	12/10/2024
Molybdenum		0.0015		**0.997**	1.000	0	99.7	85	115	12/10/2024
Selenium		0.0010		**1.01**	1.000	0	100.6	85	115	12/10/2024

Batch 232040 **SampType:** MS Units **mg/L**

SampID: 24110014-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		0.0250		**1.32**	1.000	0.3003	101.6	75	125	12/11/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24110014

Client Project: KIN-24Q4 **Report Date:** 17-Dec-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 232040 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 24110014-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Boron		0.0250		**1.32**	1.000	0.3003	101.6	1.316	0.04	12/11/2024

SW-846 7470A (TOTAL)

Batch 231369 **SampType:** MBLK Units **mg/L**

SampID: MBLK-231369

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	11/20/2024

Batch 231369 **SampType:** LCS Units **mg/L**

SampID: LCS-231369

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00498**	0.0050	0	99.5	85	115	11/20/2024

Batch 231369 **SampType:** MS Units **mg/L**

SampID: 24110014-003BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00481**	0.0050	0	96.2	75	125	11/20/2024

Batch 231369 **SampType:** MSD Units **mg/L** RPD Limit **15**

SampID: 24110014-003BMSD

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	0.004812	0.65	11/20/2024

Batch 231369 **SampType:** MS Units **mg/L**

SampID: 24110014-018BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00420**	0.0050	0	84.0	75	125	11/20/2024

Batch 231369 **SampType:** MSD Units **mg/L** RPD Limit **15**

SampID: 24110014-018BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00405**	0.0050	0	81.0	0.004200	3.65	11/20/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24110014

Client Project: KIN-24Q4 **Report Date:** 17-Dec-24

SW-846 7470A (TOTAL)

Batch 231451 **SampType:** MBLK Units **mg/L**
SampID: MBLK-231451

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	11/21/2024

Batch 231451 **SampType:** LCS Units **mg/L**
SampID: LCS-231451

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00443**	0.0050	0	88.6	85	115	11/21/2024

Batch 231451 **SampType:** MS Units **mg/L**
SampID: 24110014-011BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00442**	0.0050	0	88.4	75	125	11/21/2024

Batch 231451 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24110014-011BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00432**	0.0050	0	86.3	0.004422	2.44	11/21/2024

Batch 231451 **SampType:** MS Units **mg/L**
SampID: 24111603-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00412**	0.0050	0	82.4	75	125	11/21/2024

Batch 231451 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24111603-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00417**	0.0050	0	83.4	0.004120	1.23	11/21/2024

Batch 231510 **SampType:** MBLK Units **mg/L**
SampID: MBLK-231510

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	11/22/2024

Batch 231510 **SampType:** LCS Units **mg/L**
SampID: LCS-231510

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00468**	0.0050	0	93.7	85	115	11/22/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24110014

Client Project: KIN-24Q4 **Report Date:** 17-Dec-24

SW-846 7470A (TOTAL)

Batch 231510 **SampType:** MS Units **mg/L**
SampID: 24110014-021BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00476**	0.0050	0	95.2	75	125	11/22/2024

Batch 231510 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24110014-021BMSD

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	0.004759	3.65	11/22/2024

Batch 231510 **SampType:** MS Units **mg/L**
SampID: 24110014-022BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00467**	0.0050	0	93.5	75	125	11/22/2024

Batch 231510 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24110014-022BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00471**	0.0050	0	94.3	0.004673	0.90	11/22/2024

Teklab, Inc. Environmental Laboratory

Receiving Check List

http://www.teklabinc.com/

Client: Ramboll
Client Project: KIN-24Q4

Work Order: 24110014
Report Date: 17-Dec-24

Carrier: Daniel Crump

Received By: JMD

Completed by: Amber Dilallo
On: 18-Nov-24

Reviewed by: Elizabeth A. Hurley
On: 20-Nov-24

Pages to follow: Chain of custody 6 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.

pH strip #96651. - LH/amberdilallo - 11/18/2024 4:28:13 PM

Samples were received on 11/19/24 at 1510 on ice [3.9C/4.3C - LTG#5]. Additional Nitric Acid (100984) was needed in MW-5, MW-12, MW-30, and MW-31S upon arrival at the laboratory. pH strip #96651. - amberdilallo - 11/19/2024 3:47:26 PM

Samples were received on 11/20/24 at 1200 on ice [3.1C - LTG#5]. pH strip #96651. - JD/amberdilallo - 11/20/2024 5:14:53 PM

CHAIN-OF-CUSTODY / Analytical Request Document

24110014

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-Kincaid	Report To:	Brian Voelker, Sam Davies	Attention:	Brian Voelker, Tim Arnold
Address:	199 IL 104	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Kincaid, IL 62540		Tim Arnold: Tim.Arnold@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:	Liz Hurley
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: KIN-257-141	KIN-845-141	KIN-NE-141	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-1	WT	G	11-18-24	1117		2	1		1							X	X	X		24110014-001
2	MW-2	WT	G	11-18-24	1032		2	1		1							X	X	X		24110014-002
3	MW-3	WT	G	11-18-24	1330		2	1		1							X	X			24110014-003
4	MW-5	WT	G				2	1		1							X	X			24110014-004
5	MW-6	WT	G	11-18-24	1140		2	1		1							X	X			24110014-005
6	MW-7	WT	G	11-18-24	1221		2	1		1							X	X			24110014-006
7	MW-7S	WT	G	11-18-24	1241		2	1		1							X	X			24110014-007
8	MW-8	WT	G	11-18-24	1038		2	1		1							X	X			24110014-008
9	MW-8S	WT	G	11-18-24	Dry		2	1		1							X	X			24110014-009
10	MW-11	WT	G	11-18-24	1155		2	1		1							X	X			24110014-010
11	MW-12	WT	G				2	1		1							X	X			24110014-011
12	MW-20	WT	G	11-18-24	1403		2	1		1							X	X			24110014-012
13	MW-20S	WT	G				2	1		1							X	X			24110014-013
14	MW-23	WT	G	11-18-24	1238		2	1		1							X	X			24110014-014
15	MW-27	WT	G	11-18-24	Dry		2	1		1							X	X			24110014-015
16	MW-28	WT	G				2	1		1							X	X			24110014-016

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
KIN-24Q4 Rev 0		11-18	1600	Jackie Dennis	11/19/24	16:00	5.1	Y	N	
							11.5			

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Cole
SIGNATURE of SAMPLER: Justin Cole
DATE Signed (MM/DD/YY): 11-18-24

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

PM 96057 LH 11/18/24

24110014

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-Kincaid	Report To:	Brian Voelker, Sam Davies	Attention:	Brian Voelker, Tim Arnold
Address:	199 IL 104	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Kincaid, IL 62540		Tim Arnold: Tim.Arnold@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:	Liz Hurley
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	KIN-257-141	KIN-845-141	KIN-NE-141	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-30	WT	G				2	1		1							X	X			24110014-017
2	MW-31	WT	G	11-18-24	1349		2	1		1							X	X			24110014-018
3	MW-31S	WT	G				2	1		1							X	X			24110014-019
4	MW-32	WT	G	11-18-24	1324		2	1		1							X	X			24110014-020
5	MW-33S	WT	G				2	1		1									X		24110014-021
6	MW-34S	WT	G				2	1		1									X		24110014-022
7	MW-35S	WT	G				2	1		1									X		24110014-023
8	PZ-4A	WT	G				2	1		1									X		24110014-024
9	PZ-4C	WT	G				2	1		1							X	X			24110014-025
10	SG-02	WT	G				0										X	X			24110014-026
11	XSG-01	WT	G				0										X	X			24110014-027
12	Field Blank	WT	G				2	1		1							X	X	X		24110014-028
13	MW-8 Duplicate	WT	G	11-18-24	1038		2	1		1							X	X			24110014-029
14	MW-32 Duplicate	WT	G	11-18-24	1324		2	1		1							X	X			24110014-030
15	MW-35S Duplicate	WT	G				2	1		1									X		24110014-031
16	Equipment Blank 1	WT	G				2	1		1							X	X	X		24110014-032

Requested Analysis Filtered (Y/N)

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
KIN-24Q4 Rev 0		11-18	1600		11/18/24	16:00

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

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Brett Gilliham

SIGNATURE of SAMPLER:

DATE Signed (MM/DD/YY): 11-18-24

24110014

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-Kincaid	Report To:	Brian Voelker, Sam Davies	Attention:	Brian Voelker, Tim Arnold
Address:	199 IL 104	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Kincaid, IL 62540		Tim Arnold: Tim.Arnold@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:	Liz Hurley
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)

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)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED 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	KIN-257-141	KIN-845-141	KIN-NE-141	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	Equipment Blank 2		WT	G				2	1		1						X	X	X		24110014-033
2	Equipment Blank 3		WT	G				2	1		1						X	X	X		24110014-034
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					
13																					
14																					
15																					
16																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
KIN-24Q4 Rev 0		11-18	1600	Jackie Deers	11/18/24	16:50		Y	N	

SAMPLER NAME AND SIGNATURE			Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Brett Billihan					
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY): 11-18-24				

24110014

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-Kincaid	Report To: Brian Voelker, Sam Davies	Attention: Brian Voelker, Tim Arnold
Address: 199 IL 104	Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp
Kincaid, IL 62540	Tim Arnold: Tim.Arnold@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: Liz Hurley
Requested Due Date/TAT: 10 day	Project Number:	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: KIN-257-141	KIN-846-141	KIN-NE-141	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-1	WT	G				2	1		1							X	X	X		24110014-001
2	MW-2	WT	G				2	1		1							X	X	X		24110014-002
3	MW-3	WT	G				2	1		1							X	X			24110014-003
4	MW-5	WT	G	11-19-24	1140		2	1		1							X	X			24110014-004
5	MW-6	WT	G				2	1		1							X	X			24110014-005
6	MW-7	WT	G				2	1		1							X	X			24110014-006
7	MW-7S	WT	G				2	1		1							X	X			24110014-007
8	MW-8	WT	G				2	1		1							X	X			24110014-008
9	MW-8S	WT	G				2	1		1							X	X			24110014-009
10	MW-11	WT	G				2	1		1							X	X			24110014-010
11	MW-12	WT	G	11-19-24	1342		2	1		1							X	X			24110014-011
12	MW-20	WT	G				2	1		1							X	X			24110014-012
13	MW-20S	WT	G	11-19-24	1057		2	1		1							X	X			24110014-013
14	MW-23	WT	G				2	1		1							X	X			24110014-014
15	MW-27	WT	G				2	1		1							X	X			24110014-015
16	MW-28	WT	G	11-19-24	1312		2	1		1							X	X			24110014-016

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
KIN-24Q4 Rev 0	[illegible] SO	11-19	1510	[illegible]	11/19/24	1510

SAMPLE CONDITIONS			
Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
3.9	Y	N	
4.3	#5		

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Calf

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 11-19-24

Added HNO_3 (100984) to

CHAIN-OF-CUSTODY / Analytical Request Document

24110014

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-Kincaid	Report To: Brian Voelker, Sam Davies	Attention: Brian Voelker, Tim Arnold
Address: 199 IL 104	Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp
Kincaid, IL 62540	Tim Arnold: Tim.Arnold@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: Liz Hurley
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	KIN-257-141	KIN-845-141	KIN-NE-141	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-30	WT	G	11-19-24	1230		2	1		1							X	X			24110014-017
2	MW-31	WT	G				2	1		1							X	X			24110014-018
3	MW-31S	WT	G	11-19-24	1204		2	1		1							X	X			24110014-019
4	MW-32	WT	G				2	1		1							X	X			24110014-020
5	MW-33S	WT	G				2	1		1									X		24110014-021
6	MW-34S	WT	G				2	1		1									X		24110014-022
7	MW-35S	WT	G				2	1		1									X		24110014-023
8	PZ-4A	WT	G	11-19-24	1008		2	1		1									X		24110014-024
9	PZ-4C	WT	G	11-19-24	0944		2	1		1							X	X			24110014-025
10	SG-02	WT	G				0										X	X			24110014-026
11	XSG-01	WT	G				0										X	X			24110014-027
12	Field Blank	WT	G				2	1		1							X	X	X		24110014-028
13	MW-8 Duplicate	WT	G				2	1		1							X	X			24110014-029
14	MW-32 Duplicate	WT	G				2	1		1							X	X			24110014-030
15	MW-35S Duplicate	WT	G				2	1		1									X		24110014-031
16	Equipment Blank 1	WT	G				2	1		1							X	X	X		24110014-032

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
KIN-24Q4 Rev 0		11-19	1510		11/19/24	1510	

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 Gip

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 11-19-24

3.1 R5
IC- PH 96057

CHAIN-OF-CUSTODY / Analytical Request Document

24110014

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-Kincaid	Report To:	Brian Voelker, Sam Davies	Attention:	Brian Voelker, Tim Arnold
Address:	199 IL 104	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Kincaid, IL 62540		Tim Arnold: Tim.Arnold@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:	Liz Hurley
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

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: KIN-257-141	KIN-845-141	KIN-NE-141	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-30	WT	G				2	1		1							X	X			24110014-017
2	MW-31	WT	G				2	1		1							X	X			24110014-018
3	MW-31S	WT	G				2	1		1							X	X			24110014-019
4	MW-32	WT	G				2	1		1							X	X			24110014-020
5	MW-33S	WT	G	11-20-24	0931		2	1		1									X		24110014-021
6	MW-34S	WT	G	↓	1023		2	1		1									X		24110014-022
7	MW-35S	WT	G	↓	0953		2	1		1									X		24110014-023
8	PZ-4A	WT	G				2	1		1									X		24110014-024
9	PZ-4C	WT	G				2	1		1							X	X			24110014-025
10	SG-02	WT	G				0										X	X			24110014-026
11	XSG-01	WT	G				0										X	X			24110014-027
12	Field Blank	WT	G	11-20-24	1031		2	1		1							X	X	X		24110014-028
13	MW-8 Duplicate	WT	G				2	1		1							X	X			24110014-029
14	MW-32 Duplicate	WT	G				2	1		1							X	X			24110014-030
15	MW-35S Duplicate	WT	G	11-20-24	0953		2	1		1									X		24110014-031
16	Equipment Blank 1	WT	G				2	1		1							X	X	X		24110014-032

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
KIN-24Q4 Rev 0		11-20	1200		11/20/24	1200	

SAMPLER NAME AND SIGNATURE			Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Justin Colp			Y	N	
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY): 11-20-24				

Field Data Sheet

Project Name:	KIN-24Q4	**Monitoring Point:**	MW-1
Project Location:	Kincaid, IL	**Sample ID:**	001
W.O. Number (s):	24110014	**Date (s):**	11/18/2024

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.
Name: Payton Yoch — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 61 °F — Wind Direction: ☑ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☐ None ☐ Light ☑ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 11/18/2024 10:37
Static Water Level: 16.04 feet below TOC
Total Depth: 27.10 feet below TOC
Water Column: 11.06 feet

Purging Activities

Purged By: JC — Purge Date: 11/18/2024
Purge Method: Peristaltic Pump — Well Diameter: 2"
Purge Volume Calculation (L): 11.06 ft. x 0.022 = 0.24 L x 3 Vol. = 0.72 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
10:43	0.0	206	purge start time						
10:50	1.4	↓	6.42	457.90	17.07	4.97	58.30	13.42	
10:53	2.1		6.39	458.60	17.11	4.08	67.40	19.19	
10:56	2.7		6.39	455.50	17.12	3.53	73.20	56.07	
10:59	3.3		6.38	452.20	17.15	3.16	77.70	110.33	
11:02	3.9		6.37	451.10	17.14	2.89	81.90	194.50	
11:05	4.5		6.37	450.70	17.15	2.69	84.70	314.09	
11:08	5.1		6.37	450.40	17.13	2.52	86.80	434.80	
11:11	5.8		6.37	450.30	17.16	2.38	89.20	442.37	
11:14	6.4		6.36	450.90	17.17	2.26	91.60	434.26	
11:17	7.0		6.36	450.60	17.17	2.16	93.20	301.66	

Sampling Activities

Sampled By: JC — Sample Date/Time: 11/18/2024 11:17
Sample Method: Low Flow — Sample Equipment: Peristaltic Pump
Sample Parameters: 6.36 pH — 450.60 Spec. Cond. — 17.17 Temp
Field Filtered: No — Filter Type:
Water Level: 16.04 feet below TOC — Drawdown: 0.00 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: Justin Colp — **Date:** 11/18/2024

Field Data Sheet

Project Name:	KIN-24Q4	**Monitoring Point:**	MW-2
Project Location:	Kincaid, IL	**Sample ID:**	002
W.O. Number (s):	24110014	**Date (s):**	11/18/2024

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.
Name: Payton Yoch — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 60 °F — Wind Direction: ☑ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☐ None ☐ Light ☑ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 11/18/2024 10:00
Static Water Level: 5.63 feet below TOC
Total Depth: 22.20 feet below TOC
Water Column: 16.57 feet

Purging Activities

Purged By: JC — Purge Date: 11/18/2024
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): 16.57 ft. x 0.022 = 0.36 L x 3 Vol. = 1.08 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
10:01	0.0	226	purge start time						
10:08	1.6	↓	7.02	660.50	15.27	5.36	-53.30	129.17	
10:11	2.3		7.03	658.80	15.27	4.36	-59.90	115.16	
10:14	2.9		7.02	656.50	15.29	3.73	-64.30	96.00	
10:17	3.6		7.03	654.50	15.32	3.29	-67.60	82.90	
10:20	4.3		7.04	652.60	15.31	2.98	-70.00	75.18	
10:23	5.0		7.04	650.80	15.30	2.74	-71.60	71.27	
10:26	5.6		7.04	649.20	15.29	2.57	-72.40	79.57	
10:29	6.3		7.04	647.60	15.27	2.45	-72.70	71.13	
10:32	7.0		7.04	646.70	15.26	2.36	-72.50	65.78	

Sampling Activities

Sampled By: JC — Sample Date/Time: 11/18/2024 10:32
Sample Method: Low Flow — Sample Equipment: Bladder Pump
Sample Parameters: 7.04 pH — 646.70 Spec. Cond. — 15.26 Temp
Field Filtered: No — Filter Type:
Water Level: 5.63 feet below TOC — Drawdown: 0.00 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: [signature] — **Date:** 11/18/2024

Field Data Sheet

Project Name:	KIN-24Q4	**Monitoring Point:**	MW-3
Project Location:	Kincaid, IL	**Sample ID:**	003
W.O. Number (s):	24110014	**Date (s):**	11/18/2024

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.
Name: Payton Yoch — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 64 °F — Wind Direction: ☑ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☐ None ☑ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 11/18/2024 12:55
Static Water Level: 8.14 feet below TOC
Total Depth: 26.20 feet below TOC
Water Column: 18.06 feet

Purging Activities

Purged By: JC — Purge Date: 11/18/2024
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): 18.06 ft. x 0.022 = 0.4 L x 3 Vol. = 1.2 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
12:56	0.0	235	purge start time						
13:06	2.4	↓	6.67	779.40	15.59	3.57	-1.10	2.71	
13:09	3.1		6.67	779.60	15.58	3.01	2.90	2.79	
13:12	3.8		6.67	780.20	15.57	2.63	5.60	2.23	
13:15	4.5		6.66	782.00	15.57	2.36	8.10	1.56	
13:18	5.2		6.66	783.40	15.58	2.16	10.00	1.50	
13:21	5.9		6.66	784.10	15.55	2.00	11.60	1.47	
13:24	6.6		6.66	784.50	15.57	1.88	13.20	1.34	
13:27	7.3		6.66	785.20	15.62	1.78	14.40	1.39	
13:30	8.0		6.66	786.00	15.70	1.70	15.50	1.32	

Sampling Activities

Sampled By: JC — Sample Date/Time: 11/18/2024 13:30
Sample Method: Low Flow — Sample Equipment: Bladder Pump
Sample Parameters: 6.66 pH — 786.00 Spec. Cond. — 15.70 Temp
Field Filtered: No — Filter Type:
Water Level: 8.14 feet below TOC — Drawdown: 0.00 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: Justin Colp — **Date:** 11/18/2024

Field Data Sheet

Project Name:	KIN-24Q4	**Monitoring Point:**	MW-5
Project Location:	Kincaid, IL	**Sample ID:**	004
W.O. Number (s):	24110014	**Date (s):**	11/19/2024

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.
Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 60 °F — Wind Direction: ☐ N ☐ S ☐ W ☑ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

		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: 11/19/2024 11:09
Static Water Level: 26.81 feet below TOC
Total Depth: 41.70 feet below TOC
Water Column: 14.89 feet

Purging Activities

Purged By: JC — Purge Date: 11/19/2024
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): 14.89 ft. x 0.022 = 0.33 L x 3 Vol. = 0.99 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
11:10	0.0	167	purge start time						
11:16	1.0	↓	6.54	1,121.10	15.97	5.27	22.60	4.91	
11:19	1.5		6.53	1,120.50	16.17	4.13	23.40	4.76	
11:22	2.0		6.53	1,118.40	16.19	3.43	25.20	4.94	
11:25	2.5		6.52	1,121.80	16.24	2.97	26.40	4.96	
11:28	3.0		6.52	1,125.30	16.27	2.63	26.40	4.88	
11:31	3.5		6.52	1,128.20	16.31	2.39	25.80	4.69	
11:34	4.0		6.52	1,130.30	16.37	2.19	25.00	4.35	
11:37	4.5		6.52	1,133.20	16.40	2.05	24.30	4.13	
11:40	5.0		6.52	1,135.30	16.43	1.93	23.50	3.72	

Sampling Activities

Sampled By: JC — Sample Date/Time: 11/19/2024 11:40
Sample Method: Low Flow — Sample Equipment: Bladder Pump
Sample Parameters: 6.52 pH — 1,135.30 Spec. Cond. — 16.43 Temp
Field Filtered: No — Filter Type:
Water Level: 28.73 feet below TOC — Drawdown: 1.92 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: Justin Colp — **Date:** 11/19/2024

Field Data Sheet

Project Name:	KIN-24Q4	**Monitoring Point:**	MW-6
Project Location:	Kincaid, IL	**Sample ID:**	005
W.O. Number (s):	24110014	**Date (s):**	11/18/2024

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: 11/18/2024 11:16
Static Water Level: 10.18 feet below TOC
Total Depth: 22.00 feet below TOC
Water Column: 11.82 feet

Purging Activities

Purged By: BG Purge Date: 11/18/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 11.82 ft. x 0.022 = 0.26 L x 3 Vol. = 0.78 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 5.00 L
Physical appearance of purge water: Clear Odor: None Color: 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
11:16	0.0	208	purge start time						
11:28	2.5	↓	6.33	735.50	16.20	4.60	84.90	7.14	
11:31	3.1		6.31	734.10	16.23	4.56	90.00	6.76	
11:34	3.8		6.30	732.60	16.21	4.52	94.20	6.36	
11:37	4.4		6.29	732.80	16.17	4.48	97.90	6.81	
11:40	5.0		6.28	733.20	16.17	4.44	101.60	6.61	

Sampling Activities

Sampled By: BG Sample Date/Time: 11/18/2024 11:40
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.28 pH 733.20 Spec. Cond. 16.17 Temp
Field Filtered: No Filter Type:
Water Level: 11.32 feet below TOC Drawdown: 1.14 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210760

Form Completed By: Brett Gillihan **Date:** 11/18/2024

Field Data Sheet

Project Name:	KIN-24Q4	**Monitoring Point:**	MW-7
Project Location:	Kincaid, IL	**Sample ID:**	006
W.O. Number (s):	24110014	**Date (s):**	11/18/2024

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: 11/18/2024 11:53
Static Water Level: 2.39 feet below TOC
Total Depth: 21.80 feet below TOC
Water Column: 19.41 feet

Purging Activities

Purged By: BG Purge Date: 11/18/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 19.41 ft. x 0.022 = 0.43 L x 3 Vol. = 1.29 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 7.00 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
11:53	0.0	250	purge start time						
12:09	4.0	↓	6.64	1,361.30	15.67	1.05	-66.80	40.31	
12:12	4.8		6.64	1,336.10	15.66	0.94	-68.50	29.16	
12:15	5.5		6.64	1,327.70	15.65	0.81	-69.70	20.75	
12:18	6.2		6.64	1,320.40	15.67	0.77	-70.90	15.03	
12:21	7.0		6.64	1,313.10	15.68	0.68	-71.90	9.21	

Sampling Activities

Sampled By: BG Sample Date/Time: 11/18/2024 12:21
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.64 pH 1,313.10 Spec. Cond. 15.68 Temp
Field Filtered: No Filter Type:
Water Level: 2.76 feet below TOC Drawdown: 0.37 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210760

Form Completed By: Brett Gillihan **Date:** 11/18/2024

Field Data Sheet

Project Name: KIN-24Q4 | **Monitoring Point:** MW-7S
Project Location: Kincaid, IL | **Sample ID:** 007
W.O. Number (s): 24110014 | **Date (s):** 11/18/2024

Field Team Members

Name: Brett Gillihan | Affiliation: TekLab, Inc.
Name: Danny Crump | Affiliation: TekLab, Inc.

Weather Conditions

Temp: 64 °F | Wind Direction: ☐ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☑ NW

Precipitation: ☑ None ☐ Light ☐ Heavy | Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 11/18/2024 12:25
Static Water Level: 10.39 feet below TOC
Total Depth: 13.49 feet below TOC
Water Column: 3.10 feet

Purging Activities

Purged By: BG | Purge Date: 11/18/2024
Purge Method: Peristaltic Pump | Well Diameter: 2"
Purge Volume Calculation (L): 3.1 ft. x 0.022 = 0.07 L x 3 Vol. = 0.21 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
12:25	0.0	125	purge start time						
12:29	0.5	↓	6.58	1,497.60	16.33	1.24	-75.80	9.49	
12:32	0.9		6.58	1,498.80	16.51	1.97	-73.10	13.96	
12:35	1.3		6.54	1,497.60	16.65	2.18	-67.30	10.22	
12:38	1.7		6.51	1,497.50	16.79	2.31	-62.40	8.93	
12:41	2.0		6.50	1,498.10	16.93	2.36	-59.00	9.13	

Sampling Activities

Sampled By: BG | Sample Date/Time: 11/18/2024 12:41
Sample Method: Low Flow | Sample Equipment: Peristaltic Pump
Sample Parameters: 6.50 pH | 1,498.10 Spec. Cond. | 16.93 Temp
Field Filtered: No | Filter Type:
Water Level: 10.64 feet below TOC | Drawdown: 0.25 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210760

Form Completed By: Brett Gillihan | **Date:** 11/18/2024

Field Data Sheet

Project Name:	KIN-24Q4	**Monitoring Point:**	MW-8
Project Location:	Kincaid, IL	**Sample ID:**	008
W.O. Number (s):	24110014	**Date (s):**	11/18/2024

Field Team Members

Name: Brett Gillihan 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

			Yes	No
Well Pad	Good	**Locks**		
Casing	Good	Protective Casing	X	
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 11/18/2024 10:25
Static Water Level: 12.76 feet below TOC
Total Depth: 24.00 feet below TOC
Water Column: 11.24 feet

Purging Activities

Purged By: BG Purge Date: 11/18/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 11.24 ft. x 0.022 = 0.25 L x 3 Vol. = 0.75 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Clear Odor: None Color: 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	308	purge start time						
10:29	1.2	↓	6.51	1,113.70	15.80	1.87	-2.20	9.89	
10:32	2.2		6.47	1,111.10	15.85	1.24	6.50	8.78	
10:35	3.1		6.45	1,107.20	15.83	1.05	13.50	7.08	
10:38	4.0		6.44	1,107.70	15.84	1.01	19.50	5.11	

Sampling Activities

Sampled By: BG Sample Date/Time: 11/18/2024 10:38
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.44 pH 1,107.70 Spec. Cond. 15.84 Temp
Field Filtered: No Filter Type:
Water Level: 12.98 feet below TOC Drawdown: 0.22 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210760

Form Completed By: Brett Gillihan **Date:** 11/18/2024

Field Data Sheet

Project Name:	KIN-24Q4	**Monitoring Point:**	MW-8S
Project Location:	Kincaid, IL	**Sample ID:**	009
W.O. Number (s):	24110014	**Date (s):**	11/18/2024

Field Team Members

Name: Brett Gillihan — Affiliation: TekLab, Inc.
Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 61 °F — Wind Direction: ☐ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☑ NW

Precipitation: ☐ None ☐ Light ☑ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 11/18/2024 10:10

Static Water Level: 9.76 feet below TOC
Total Depth: 10.02 feet below TOC
Water Column: 0.26 feet

Purging Activities

Purged By: BG — Purge Date: 11/18/2024
Purge Method: Peristaltic Pump — Well Diameter: 2"
Purge Volume Calculation (L): 0.26 ft. x 0.022 = 0.01 L x 3 Vol. = 0.03 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 1.00 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
10:10	0.0	167	purge start time						
10:16	1.0	↓							

Sampling Activities

Sampled By: BG — Sample Date/Time:
Sample Method: — Sample Equipment: Peristaltic Pump
Sample Parameters: pH — Spec. Cond. — Temp
Field Filtered: — Filter Type:
Water Level: - feet below TOC — Drawdown: - feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210760
- Dry; no sample. Rechecked on 11/19- dry

Form Completed By: Brett Gillihan — **Date:** 11/18/2024

Field Data Sheet

Project Name:	KIN-24Q4	**Monitoring Point:**	MW-11
Project Location:	Kincaid, IL	**Sample ID:**	010
W.O. Number (s):	24110014	**Date (s):**	11/18/2024

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.
Name: Payton Yoch — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 62 °F — Wind Direction: ☑ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☐ None ☑ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 11/18/2024 11:27
Static Water Level: 9.78 feet below TOC
Total Depth: 23.50 feet below TOC
Water Column: 13.72 feet

Purging Activities

Purged By: JC — Purge Date: 11/18/2024
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): 13.72 ft. x 0.022 = 0.3 L x 3 Vol. = 0.9 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
11:27	0.0	214	purge start time						
11:37	2.2	↓	6.67	799.20	17.56	3.57	79.70	4.25	
11:40	2.8		6.67	801.60	17.59	3.11	77.30	4.02	
11:43	3.5		6.67	804.30	17.60	2.82	74.10	4.10	
11:46	4.1		6.67	805.70	17.61	2.62	69.80	3.88	
11:49	4.8		6.67	805.10	17.60	2.49	64.80	3.87	
11:52	5.4		6.68	803.60	17.58	2.39	59.80	3.80	
11:55	6.0		6.68	804.10	17.56	2.32	54.60	3.66	

Sampling Activities

Sampled By: JC — Sample Date/Time: 11/18/2024 11:55
Sample Method: Low Flow — Sample Equipment: Bladder Pump
Sample Parameters: 6.68 pH — 804.10 Spec. Cond. — 17.56 Temp
Field Filtered: No — Filter Type:
Water Level: 9.78 feet below TOC — Drawdown: 0.00 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: [signature] **Date:** 11/18/2024

Field Data Sheet

Project Name:	KIN-24Q4	**Monitoring Point:**	MW-12
Project Location:	Kincaid, IL	**Sample ID:**	011
W.O. Number (s):	24110014	**Date (s):**	11/19/2024

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 63 °F Wind Direction: ☐ N ☐ S ☐ W ☑ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 11/19/2024 13:15
Static Water Level: 7.14 feet below TOC
Total Depth: 27.60 feet below TOC
Water Column: 20.46 feet

Purging Activities

Purged By: JC Purge Date: 11/19/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 20.46 ft. x 0.022 = 0.45 L x 3 Vol. = 1.35 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 6.00 L
Physical appearance of purge water: Clear Odor: None Color: 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
13:16	0.0	231	purge start time						
13:21	1.2	↓	6.69	1,266.20	16.28	3.84	-59.20	4.65	
13:24	1.8		6.69	1,254.30	16.34	2.92	-62.50	5.06	
13:27	2.5		6.67	1,260.80	16.32	2.42	-62.60	14.18	
13:30	3.2		6.66	1,262.90	16.35	2.12	-62.80	18.90	
13:33	3.9		6.65	1,267.10	16.35	1.91	-62.10	27.00	
13:36	4.6		6.65	1,271.10	16.33	1.75	-61.30	41.87	
13:39	5.3		6.64	1,275.20	16.34	1.64	-59.90	33.48	
13:42	6.0		6.64	1,280.70	16.78	1.55	-59.70	40.55	

Sampling Activities

Sampled By: JC Sample Date/Time: 11/19/2024 13:42
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.64 pH 1,280.70 Spec. Cond. 16.78 Temp
Field Filtered: No Filter Type:
Water Level: 7.28 feet below TOC Drawdown: 0.14 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: Justin Colp **Date:** 11/19/2024

Field Data Sheet

Project Name:	KIN-24Q4	**Monitoring Point:**	MW-20
Project Location:	Kincaid, IL	**Sample ID:**	012
W.O. Number (s):	24110014	**Date (s):**	11/18/2024

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.
Name: Payton Yoch — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 65 °F — Wind Direction: ☑ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 11/18/2024 13:34

Static Water Level: 5.84 feet below TOC
Total Depth: 26.25 feet below TOC
Water Column: 20.41 feet

Purging Activities

Purged By: JC — Purge Date: 11/18/2024
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): 20.41 ft. x 0.022 = 0.45 L x 3 Vol. = 1.35 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
13:36	0.0	185	purge start time						
13:42	1.1	↓	6.76	911.80	15.99	4.40	12.80	60.96	
13:45	1.7		6.75	911.40	16.03	3.26	15.30	59.30	
13:48	2.2		6.75	910.90	16.07	2.65	19.10	43.90	
13:51	2.8		6.74	910.70	16.13	2.28	22.80	69.44	
13:54	3.3		6.74	910.50	16.17	2.04	25.20	38.02	
13:57	3.9		6.74	910.30	16.18	1.87	26.30	64.03	
14:00	4.4		6.75	910.30	16.20	1.75	25.10	130.38	
14:03	5.0		6.76	909.90	16.19	1.68	22.10	164.00	

Sampling Activities

Sampled By: JC — Sample Date/Time: 11/18/2024 14:03
Sample Method: Low Flow — Sample Equipment: Bladder Pump
Sample Parameters: 6.76 pH — 909.90 Spec. Cond. — 16.19 Temp
Field Filtered: No — Filter Type:
Water Level: 5.84 feet below TOC — Drawdown: 0.00 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: Justin Colp — **Date:** 11/18/2024

Field Data Sheet

Project Name:	KIN-24Q4	**Monitoring Point:**	MW-20S
Project Location:	Kincaid, IL	**Sample ID:**	013
W.O. Number (s):	24110014	**Date (s):**	11/19/2024

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 59 °F Wind Direction: ☐ N ☐ S ☐ W ☑ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 11/19/2024 10:21
Static Water Level: 4.88 feet below TOC
Total Depth: 12.21 feet below TOC
Water Column: 7.33 feet

Purging Activities

Purged By: JC Purge Date: 11/19/2024
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): 7.33 ft. x 0.022 = 0.16 L x 3 Vol. = 0.48 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
10:22	0.0	229	purge start time						
10:27	1.1	↓	6.70	1,145.30	16.71	5.86	55.60	6.64	
10:30	1.8		6.66	1,122.90	16.80	5.02	45.20	5.18	
10:33	2.5		6.64	1,105.60	16.85	4.37	35.10	5.60	
10:36	3.2		6.63	1,096.70	16.90	3.93	34.00	4.35	
10:39	3.9		6.62	1,089.10	16.91	3.57	33.70	4.04	
10:42	4.6		6.60	1,074.60	16.97	3.27	36.40	3.18	
10:45	5.3		6.60	1,076.20	17.01	3.05	36.60	2.32	
10:48	5.9		6.60	1,074.00	17.02	2.87	38.20	2.59	
10:51	6.6		6.59	1,067.60	17.05	2.69	40.80	2.94	
10:54	7.3		6.59	1,064.20	17.09	2.56	44.00	3.21	
10:57	8.0		6.58	1,058.80	17.10	2.41	42.90	3.88	

Sampling Activities

Sampled By: JC Sample Date/Time: 11/19/2024 10:57
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 6.58 pH 1,058.80 Spec. Cond. 17.10 Temp
Field Filtered: No Filter Type:
Water Level: 6.74 feet below TOC Drawdown: 1.86 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: [signature] **Date:** 11/19/2024

Field Data Sheet

Project Name:	KIN-24Q4	**Monitoring Point:**	MW-23
Project Location:	Kincaid, IL	**Sample ID:**	014
W.O. Number (s):	24110014	**Date (s):**	11/18/2024

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.
Name: Payton Yoch — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 63 °F — Wind Direction: ☑ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☐ None ☑ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 11/18/2024 12:05

Static Water Level: 16.19 feet below TOC
Total Depth: 30.27 feet below TOC
Water Column: 14.08 feet

Purging Activities

Purged By: JC — Purge Date: 11/18/2024
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): 14.08 ft. x 0.022 = 0.31 L x 3 Vol. = 0.93 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
12:08	0.0	200	purge start time						
12:17	1.8	↓	6.71	854.30	15.76	4.29	-128.00	3.83	
12:20	2.4		6.71	854.60	15.77	3.41	-135.10	3.34	
12:23	3.0		6.71	854.10	15.77	2.88	-136.30	3.23	
12:26	3.6		6.71	853.50	15.77	2.53	-136.10	3.31	
12:29	4.2		6.70	852.60	15.77	2.27	-134.90	2.96	
12:32	4.8		6.70	851.90	15.78	2.09	-133.50	2.74	
12:35	5.4		6.70	851.50	15.78	1.95	-131.90	2.58	
12:38	6.0		6.70	851.20	15.79	1.84	-130.40	2.25	

Sampling Activities

Sampled By: JC — Sample Date/Time: 11/18/2024 12:38
Sample Method: Low Flow — Sample Equipment: Bladder Pump
Sample Parameters: 6.70 pH — 851.20 Spec. Cond. — 15.79 Temp
Field Filtered: No — Filter Type:
Water Level: 16.19 feet below TOC — Drawdown: 0.00 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: Justin Colp — **Date:** 11/18/2024

Field Data Sheet

Project Name:	KIN-24Q4	**Monitoring Point:**	MW-27
Project Location:	Kincaid, IL	**Sample ID:**	015
W.O. Number (s):	24110014	**Date (s):**	11/18/2024

Field Team Members

Name: Brett Gillihan — Affiliation: TekLab, Inc.
Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 61 °F — Wind Direction: ☐ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☑ NW

Precipitation: ☐ None ☐ Light ☑ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 11/18/2024 10:55

Static Water Level: 17.01 feet below TOC
Total Depth: 17.70 feet below TOC
Water Column: 0.69 feet

Purging Activities

Purged By: BG — Purge Date: 11/18/2024
Purge Method: Peristaltic Pump — Well Diameter: 2"
Purge Volume Calculation (L): 0.69 ft. x 0.022 = 0.02 L x 3 Vol. = 0.06 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 1.00 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
10:55	0.0	167	purge start time						
11:01	1.0	↓							

Sampling Activities

Sampled By: BG — Sample Date/Time:
Sample Method: — Sample Equipment: Peristaltic Pump
Sample Parameters: pH — Spec. Cond. — Temp
Field Filtered: — Filter Type:
Water Level: - feet below TOC — Drawdown: - feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210760
- Dry; no sample. Rechecked on 11/19- dry

Form Completed By: Brett Gillihan — **Date:** 11/18/2024

Field Data Sheet

Project Name:	KIN-24Q4	**Monitoring Point:**	MW-28
Project Location:	Kincaid, IL	**Sample ID:**	016
W.O. Number (s):	24110014	**Date (s):**	11/19/2024

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.
Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 62 °F — Wind Direction: ☐ N ☐ S ☐ W ☑ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 11/19/2024 12:44

Static Water Level: 5.84 feet below TOC
Total Depth: 25.07 feet below TOC
Water Column: 19.23 feet

Purging Activities

Purged By: JC — Purge Date: 11/19/2024
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): 19.23 ft. x 0.022 = 0.42 L x 3 Vol. = 1.26 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
12:44	0.0	214	purge start time						
12:51	1.5	↓	6.54	1,237.80	16.32	3.57	56.30	4.08	
12:54	2.1		6.54	1,279.60	16.27	2.97	62.40	4.90	
12:57	2.8		6.54	1,323.40	16.29	2.58	66.70	9.44	
13:00	3.4		6.54	1,384.70	16.29	2.31	69.90	9.90	
13:03	4.1		6.54	1,437.50	16.31	2.12	71.90	9.64	
13:06	4.7		6.55	1,494.50	16.30	1.97	73.20	16.70	
13:09	5.4		6.55	1,550.70	16.34	1.85	74.40	17.91	
13:12	6.0		6.56	1,594.40	16.33	1.75	75.50	5.94	

Sampling Activities

Sampled By: JC — Sample Date/Time: 11/19/2024 13:12
Sample Method: Low Flow — Sample Equipment: Bladder Pump
Sample Parameters: 6.56 pH — 1,594.40 Spec. Cond. — 16.33 Temp
Field Filtered: No — Filter Type:
Water Level: 6.61 feet below TOC — Drawdown: 0.77 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: [signature] — **Date:** 11/19/2024

Field Data Sheet

Project Name:	KIN-24Q4	**Monitoring Point:**	MW-30
Project Location:	Kincaid, IL	**Sample ID:**	017
W.O. Number (s):	24110014	**Date (s):**	11/19/2024

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 62 °F Wind Direction: ☐ N ☐ S ☐ W ☑ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 11/19/2024 12:07
Static Water Level: 24.74 feet below TOC
Total Depth: 42.47 feet below TOC
Water Column: 17.73 feet

Purging Activities

Purged By: JC Purge Date: 11/19/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 17.73 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
12:07	0.0	174	purge start time						
12:15	1.4	↓	6.56	919.10	15.63	2.87	-69.40	6.19	
12:18	1.9		6.57	916.20	15.61	2.41	-79.00	4.04	
12:21	2.4		6.58	913.50	15.56	2.14	-85.70	3.92	
12:24	3.0		6.58	911.40	15.54	1.95	-89.90	3.98	
12:27	3.5		6.59	910.40	15.51	1.81	-92.30	4.12	
12:30	4.0		6.58	909.90	15.54	1.71	-93.80	3.89	

Sampling Activities

Sampled By: JC Sample Date/Time: 11/19/2024 12:30
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.58 pH 909.90 Spec. Cond. 15.54 Temp
Field Filtered: No Filter Type:
Water Level: 28.90 feet below TOC Drawdown: 4.16 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: Justin Colp **Date:** 11/19/2024

Field Data Sheet

Project Name:	KIN-24Q4	**Monitoring Point:**	MW-31
Project Location:	Kincaid, IL	**Sample ID:**	018
W.O. Number (s):	24110014	**Date (s):**	11/18/2024

Field Team Members

Name: Brett Gillihan — Affiliation: TekLab, Inc.
Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 64 °F — Wind Direction: ☐ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☑ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 11/18/2024 13:38

Static Water Level: 30.69 feet below TOC
Total Depth: 42.32 feet below TOC
Water Column: 11.63 feet

Purging Activities

Purged By: BG — Purge Date: 11/18/2024
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): 11.63 ft. x 0.022 = 0.26 L x 3 Vol. = 0.78 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Clear — Odor: None — Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:38	0.0	364	purge start time						
13:40	0.7	↓	6.67	981.70	15.19	1.55	-49.00	4.73	
13:43	1.8		6.59	981.30	15.45	1.11	-55.90	4.04	
13:46	2.9		6.56	981.20	14.85	0.77	-56.70	3.61	
13:49	4.0		6.56	979.00	14.74	0.63	-63.00	3.69	

Sampling Activities

Sampled By: BG — Sample Date/Time: 11/18/2024 13:49
Sample Method: Low Flow — Sample Equipment: Bladder Pump
Sample Parameters: 6.56 pH — 979.00 Spec. Cond. — 14.74 Temp
Field Filtered: No — Filter Type:
Water Level: 31.32 feet below TOC — Drawdown: 0.63 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210760

Form Completed By: Brett Gillihan — **Date:** 11/18/2024

Field Data Sheet

Project Name:	KIN-24Q4	**Monitoring Point:**	MW-31S
Project Location:	Kincaid, IL	**Sample ID:**	019
W.O. Number (s):	24110014	**Date (s):**	11/19/2024

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 61 °F Wind Direction: ☐ N ☐ S ☐ W ☑ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 11/19/2024 11:44
Static Water Level: 19.69 feet below TOC
Total Depth: 32.41 feet below TOC
Water Column: 12.72 feet

Purging Activities

Purged By: JC Purge Date: 11/19/2024
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): 12.72 ft. x 0.022 = 0.28 L x 3 Vol. = 0.84 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Clear Odor: 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
11:44	0.0	200	purge start time						
11:49	1.0	↓	6.54	1,140.00	16.20	3.37	-103.00	41.40	
11:52	1.6		6.52	1,133.20	16.32	2.72	-101.60	71.75	
11:55	2.2		6.52	1,129.80	16.58	2.42	-100.90	58.10	
11:58	2.8		6.52	1,131.00	16.65	2.25	-100.60	43.17	
12:01	3.4		6.52	1,130.90	16.67	2.12	-100.20	49.01	
12:04	4.0		6.52	1,128.00	16.72	2.03	-99.90	39.81	

Sampling Activities

Sampled By: JC Sample Date/Time: 11/19/2024 12:04
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 6.52 pH 1,128.00 Spec. Cond. 16.72 Temp
Field Filtered: No Filter Type:
Water Level: 24.70 feet below TOC Drawdown: 5.01 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: Justin Colp **Date:** 11/19/2024

Field Data Sheet

Project Name: KIN-24Q4 | **Monitoring Point:** MW-32
Project Location: Kincaid, IL | **Sample ID:** 020
W.O. Number (s): 24110014 | **Date (s):** 11/18/2024

Field Team Members

Name: Brett Gillihan | Affiliation: TekLab, Inc.
Name: Danny Crump | Affiliation: TekLab, Inc.

Weather Conditions

Temp: 64 °F | Wind Direction: ☐ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☑ NW

Precipitation: ☑ None ☐ Light ☐ Heavy | Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 11/18/2024 13:10
Static Water Level: 23.97 feet below TOC
Total Depth: 39.29 feet below TOC
Water Column: 15.32 feet

Purging Activities

Purged By: BG | Purge Date: 11/18/2024
Purge Method: Bladder Pump | Well Diameter: 2"
Purge Volume Calculation (L): 15.32 ft. x 0.022 = 0.34 L x 3 Vol. = 1.02 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 4.50 L
Physical appearance of purge water: Clear | Odor: None | Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:10	0.0	321	purge start time						
13:12	0.6	↓	6.51	1,322.90	16.00	2.62	20.70	3.48	
13:15	1.6		6.41	1,294.50	15.86	1.21	28.80	3.96	
13:18	2.6		6.38	1,290.40	15.76	0.91	35.10	3.75	
13:21	3.5		6.37	1,289.50	15.74	0.76	40.20	3.64	
13:24	4.5		6.37	1,290.90	15.71	0.71	44.30	3.54	

Sampling Activities

Sampled By: BG | Sample Date/Time: 11/18/2024 13:24
Sample Method: Low Flow | Sample Equipment: Bladder Pump
Sample Parameters: 6.37 pH | 1,290.90 Spec. Cond. | 15.71 Temp
Field Filtered: No | Filter Type:
Water Level: 24.24 feet below TOC | Drawdown: 0.27 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210760

Form Completed By: Brett Gillihan | **Date:** 11/18/2024

Field Data Sheet

Project Name:	KIN-24Q4	**Monitoring Point:**	PZ-4C
Project Location:	Kincaid, IL	**Sample ID:**	025
W.O. Number (s):	24110014	**Date (s):**	11/19/2024

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: 11/19/2024 9:12
Static Water Level: 6.00 feet below TOC
Total Depth: 23.18 feet below TOC
Water Column: 17.18 feet

Purging Activities

Purged By: JC — Purge Date: 11/19/2024
Purge Method: Peristaltic Pump — Well Diameter: 2"
Purge Volume Calculation (L): 17.18 ft. x 0.022 = 0.38 L x 3 Vol. = 1.14 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
9:15	0.0	276	purge start time						
9:20	1.4	↓	6.80	796.60	15.88	6.09	-90.10	27.37	
9:23	2.2		6.80	796.40	15.95	4.79	-94.80	20.12	
9:26	3.0		6.81	797.20	16.05	4.09	-96.10	60.13	
9:29	3.9		6.81	796.90	16.04	3.62	-97.10	86.22	
9:32	4.7		6.81	796.50	16.02	3.27	-97.60	55.87	
9:35	5.5		6.82	795.90	15.99	3.02	-98.00	52.80	
9:38	6.3		6.82	796.20	16.01	2.81	-98.20	31.84	
9:41	7.2		6.82	796.00	15.99	2.65	-98.30	25.45	
9:44	8.0		6.82	796.30	15.98	2.51	-98.30	22.87	

Sampling Activities

Sampled By: JC — Sample Date/Time: 11/19/2024 9:44
Sample Method: Low Flow — Sample Equipment: Peristaltic Pump
Sample Parameters: 6.82 pH — 796.30 Spec. Cond. — 15.98 Temp
Field Filtered: No — Filter Type:
Water Level: 9.71 feet below TOC — Drawdown: 3.71 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: Justin Colp — **Date:** 11/19/2024

Field Data Sheet

Project Name:	KIN-24Q4	**Monitoring Point:**	SG-02
Project Location:	Kincaid, IL	**Sample ID:**	026
W.O. Number (s):	24110014	**Date (s):**	-

Field Team Members

Name: Tracy Carroll Affiliation: TekLab, Inc.

Name: Affiliation:

Weather Conditions

Temp: 63 °F Wind Direction: ☑ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☐ None ☑ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

Well Pad

Casing

Protective Casing

Reference Mark/Identification

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 11/18/2024 9:55

Static Water Level: 19.20 feet below TOC

Total Depth: - feet below TOC

Water Column: - feet

Purging Activities

Purged By: TC Purge Date: -

Purge Method: Well Diameter:

Purge Volume Calculation (L): -

Actual Purge Volume (L):

Physical appearance of purge water: Odor: Color:

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other

Sampling Activities

Sampled By: Sample Date/Time:

Sample Method: Sample Equipment:

Sample Parameters: pH Spec. Cond. Temp

Field Filtered: Filter Type:

Water Level: feet below TOC Drawdown: feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter:
- DTW only; no sample

Form Completed By: Tracy Carroll **Date:** 11/18/2024

Field Data Sheet

Project Name: KIN-24Q4
Project Location: Kincaid, IL
W.O. Number (s): 24110014
Monitoring Point: XSG-01
Sample ID: 027
Date (s): -

Field Team Members

Name: Tracy Carroll — Affiliation: TekLab, Inc.
Name: — Affiliation:

Weather Conditions

Temp: 63 °F — Wind Direction: ☑ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☐ None ☑ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

Well Pad:
Casing:
Protective Casing:
Reference Mark/Identification:

Locks	Yes	No
Protective Casing		X
Well		X

Groundwater Level Measurements

Date/Time Measured: 11/18/2024 10:14
Static Water Level: 4.75 feet below TOC
Total Depth: - feet below TOC
Water Column: - feet

Purging Activities

Purged By: TC — Purge Date: -
Purge Method: — Well Diameter:
Purge Volume Calculation (L): -
Actual Purge Volume (L):
Physical appearance of purge water: — Odor: — Color:

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other

Sampling Activities

Sampled By: — Sample Date/Time:
Sample Method: — Sample Equipment:
Sample Parameters: pH — Spec. Cond. — Temp
Field Filtered: — Filter Type:
Water Level: feet below TOC — Drawdown: feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter:
- DTW only; no sample

Form Completed By: Tracy Carroll — **Date:** 11/18/2024

Field Data Sheet

Project Name:	KIN-24Q4	**Monitoring Point:**	Field Blank
Project Location:	Kincaid, IL	**Sample ID:**	028
W.O. Number (s):	24110014	**Date (s):**	-

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:
Casing:
Protective Casing:
Reference Mark/Identification:

Locks	Yes	No
Protective Casing		X
Well		X

Groundwater Level Measurements

Date/Time Measured: 12/2/2024 7:49
Static Water Level: - feet below TOC
Total Depth: - feet below TOC
Water Column: - feet

Purging Activities

Purged By: JC — Purge Date: -
Purge Method: Direct Grab — Well Diameter:
Purge Volume Calculation (L): #VALUE!
Actual Purge Volume (L): -
Physical appearance of purge water: — Odor: — Color:

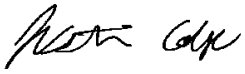
Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other

Sampling Activities

Sampled By: JC — Sample Date/Time: 11/20/2024 10:31
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: 210771
- QA/QC sample

Form Completed By:  **Date:** 11/20/2024

Field Data Sheet

Project Name:	KIN-24Q4	**Monitoring Point:**	MW-8 Duplicate
Project Location:	Kincaid, IL	**Sample ID:**	029
W.O. Number (s):	24110014	**Date (s):**	11/18/2024

Field Team Members

Name: Brett Gillihan — Affiliation: TekLab, Inc.
Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 61 °F — Wind Direction: ☐ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☑ NW

Precipitation: ☐ None ☐ Light ☑ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

		Locks	Yes	No
Well Pad	Good	Protective Casing		X
Casing	Good	Well		X
Protective Casing	Good			
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 11/18/2024 10:25
Static Water Level: 12.76 feet below TOC
Total Depth: 24.00 feet below TOC
Water Column: 11.24 feet

Purging Activities

Purged By: BG — Purge Date: 11/18/2024
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): 11.24 ft. x 0.022 = 0.25 L x 3 Vol. = 0.75 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Clear — Odor: None — Color: 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	308	purge start time						
10:29	1.2	↓	6.51	1,113.70	15.80	1.87	-2.20	9.89	
10:32	2.2		6.47	1,111.10	15.85	1.24	6.50	8.78	
10:35	3.1		6.45	1,107.20	15.83	1.05	13.50	7.08	
10:38	4.0		6.44	1,107.70	15.84	1.01	19.50	5.11	

Sampling Activities

Sampled By: BG — Sample Date/Time: 11/18/2024 10:38
Sample Method: Low Flow — Sample Equipment: Bladder Pump
Sample Parameters: 6.44 pH — 1,107.70 Spec. Cond. — 15.84 Temp
Field Filtered: No — Filter Type:
Water Level: 12.98 feet below TOC — Drawdown: 0.22 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210760

Form Completed By: Brett Gillihan — **Date:** 11/18/2024

Field Data Sheet

Project Name:	KIN-24Q4	**Monitoring Point:**	MW-32 Duplicate
Project Location:	Kincaid, IL	**Sample ID:**	030
W.O. Number (s):	24110014	**Date (s):**	11/18/2024

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 64 °F Wind Direction: ☐ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☑ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 11/18/2024 13:10
Static Water Level: 23.97 feet below TOC
Total Depth: 39.29 feet below TOC
Water Column: 15.32 feet

Purging Activities

Purged By: BG Purge Date: 11/18/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 15.32 ft. x 0.022 = 0.34 L x 3 Vol. = 1.02 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 4.50 L
Physical appearance of purge water: Clear Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:10	0.0	321	purge start time						
13:12	0.6	↓	6.51	1,322.90	16.00	2.62	20.70	3.48	
13:15	1.6		6.41	1,294.50	15.86	1.21	28.80	3.96	
13:18	2.6		6.38	1,290.40	15.76	0.91	35.10	3.75	
13:21	3.5		6.37	1,289.50	15.74	0.76	40.20	3.64	
13:24	4.5		6.37	1,290.90	15.71	0.71	44.30	3.54	

Sampling Activities

Sampled By: BG Sample Date/Time: 11/18/2024 13:24
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.37 pH 1,290.90 Spec. Cond. 15.71 Temp
Field Filtered: No Filter Type:
Water Level: 24.24 feet below TOC Drawdown: 0.27 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210760

Form Completed By: Brett Gillihan **Date:** 11/18/2024

Field Data Sheet

Project Name: KIN-24Q4
Project Location: Kincaid, IL
W.O. Number (s): 24110014
Monitoring Point: Equipment Blank 1
Sample ID: 032
Date (s):

Field Team Members

Name: _____ Affiliation: _____
Name: _____ Affiliation: _____

Weather Conditions

Temp: _____ °F Wind Direction: ☐ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☐ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad _____
Casing _____
Protective Casing _____
Reference Mark/Identification _____

Locks	Yes	No
Protective Casing		
Well		

Groundwater Level Measurements

Date/Time Measured: _____
Static Water Level: _____ feet below TOC
Total Depth: _____ feet below TOC
Water Column: _____ feet

Purging Activities

Purged By: _____ Purge Date: _____
Purge Method: _____ Well Diameter: _____
Purge Volume Calculation (L): _____
Actual Purge Volume (L): _____
Physical appearance of purge water: _____ Odor: _____ Color: _____

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other

Sampling Activities

Sampled By: _____ Sample Date/Time: _____
Sample Method: _____ Sample Equipment: _____
Sample Parameters: _____ pH _____ Spec. Cond. _____ Temp
Field Filtered: _____ Filter Type: _____
Water Level: _____ feet below TOC Drawdown: _____ feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter:
- *No non-dedicated equipment used; no sample

Form Completed By: _____ **Date:** _____

Field Data Sheet

Project Name: KIN-24Q4
Project Location: Kincaid, IL
W.O. Number (s): 24110014
Monitoring Point: Equipment Blank 2
Sample ID: 033
Date (s):

Field Team Members

Name: _____ Affiliation: _____
Name: _____ Affiliation: _____

Weather Conditions

Temp: _____ °F Wind Direction: ☐ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☐ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad _____
Casing _____
Protective Casing _____
Reference Mark/Identification _____

Locks	Yes	No
Protective Casing		
Well		

Groundwater Level Measurements

Date/Time Measured: _____
Static Water Level: _____ feet below TOC
Total Depth: _____ feet below TOC
Water Column: _____ feet

Purging Activities

Purged By: _____ Purge Date: _____
Purge Method: _____ Well Diameter: _____
Purge Volume Calculation (L): _____
Actual Purge Volume (L): _____
Physical appearance of purge water: _____ Odor: _____ Color: _____

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other

Sampling Activities

Sampled By: _____ Sample Date/Time: _____
Sample Method: _____ Sample Equipment: _____
Sample Parameters: _____ pH _____ Spec. Cond. _____ Temp
Field Filtered: _____ Filter Type: _____
Water Level: _____ feet below TOC Drawdown: _____ feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter:
- *No non-dedicated equipment used; no sample

Form Completed By: _____ **Date:** _____

Field Data Sheet

Project Name: KIN-24Q4
Project Location: Kincaid, IL
W.O. Number (s): 24110014
Monitoring Point: Equipment Blank 3
Sample ID: 034
Date (s):

Field Team Members

Name: _____ Affiliation: _____
Name: _____ Affiliation: _____

Weather Conditions

Temp: _____ °F Wind Direction: ☐ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☐ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad _____
Casing _____
Protective Casing _____
Reference Mark/Identification _____

Locks	Yes	No
Protective Casing		
Well		

Groundwater Level Measurements

Date/Time Measured: _____
Static Water Level: _____ feet below TOC
Total Depth: _____ feet below TOC
Water Column: _____ feet

Purging Activities

Purged By: _____ Purge Date: _____
Purge Method: _____ Well Diameter: _____
Purge Volume Calculation (L): _____
Actual Purge Volume (L): _____
Physical appearance of purge water: _____ Odor: _____ Color: _____

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other

Sampling Activities

Sampled By: _____ Sample Date/Time: _____
Sample Method: _____ Sample Equipment: _____
Sample Parameters: _____ pH _____ Spec. Cond. _____ Temp
Field Filtered: _____ Filter Type: _____
Water Level: _____ feet below TOC Drawdown: _____ feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter:
- *No non-dedicated equipment used; no sample

Form Completed By: _____ **Date:** _____

Site Samping Event: KIN- 24Q4
LIMS Workorder: 24110014
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
Kincaid- 4Q 2024

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 210771 Technician(s): justin colp Date: 11/18/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc240612a	4.00	11/18/24 9:34
7.0 Buffer	wc240913b	7.00	11/18/24 9:30
10.0 Buffer	wc240625b	10.00	11/18/24 9:38
LCS/CCV (7.0 Buffer)	wc240913c		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	100029	1412	11/18/24 9:45

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.52	11/18/24 9:45
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-1-JC	LCS	11/18/24 9:51	21.2	6.98	1,407	0.55		
CCV-1-JC	CCV	11/18/24 14:20	22.2	7.01	1,420	0.62		

Comments:

Field Meter ID: Pine 210771 Technician(s): justin colp Date: 11/19/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc240612a	4.00	11/19/24 8:53
7.0 Buffer	wc240913b	7.00	11/19/24 8:49
10.0 Buffer	wc240625b	10.00	11/19/24 8:58
LCS/CCV (7.0 Buffer)	wc240913c		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	100029	1412	11/19/24 9:03

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.65	11/19/24 9:03
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	11/19/24 9:08	20.9	7.00	1,410	0.62		
CCV-2-JC	CCV	11/19/24 13:46	21.5	7.03	1,425	0.61		

Comments:

Site Samping Event: KIN- 24Q4
LIMS Workorder: 24110014
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
Kincaid- 4Q 2024

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 210771 Technician(s): justin colp Date: 11/20/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc240612a	4.00	11/20/24 8:42
7.0 Buffer	wc240913b	7.00	11/20/24 8:38
10.0 Buffer	wc240625b	10.00	11/20/24 8:46
LCS/CCV (7.0 Buffer)	wc240913c		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	100029	1412	11/20/24 8:52

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.58	11/20/24 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	11/20/24 8:55	16.1	7.01	1,411	0.55		
CCV-3-JC	CCV	11/20/24 10:32	16.4	7.01	1,417	0.59		

Comments:

Site Samping Event: KIN- 24Q4
LIMS Workorder: 24110014
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
Kincaid- 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: 11/18/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC240612A	4.98	11/18/24 9:30
7.0 Buffer	WC240913B	6.99	11/18/24 9:26
10.0 Buffer	WC240625B	9.99	11/18/24 9:42
LCS/CCV (7.0 Buffer)	WC240913C		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	100029	1418	11/18/24 9:44

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.6	11/18/24 9:48
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-BG	LCS	11/18/24 9:49	15.4	7.00	1,412	1.6		
CCV-1-BG	CCV	11/18/24 15:47	17.5	6.99	1,412	1.6		

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 210771
Description YSI Pro DSS
Calibrated 10/22/2024 4:43:35PM

Manufacturer YSI
Model Number Pro DSS
Serial Number/ Lot Number 22C103115
Location St. Louis
Department

State Certified
Status Pass
Temp °C 22.2
Humidity % 43

Calibration Specifications

Group # 1
Group Name PH
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
7.00 / 7.00	PH	7.00	PH	7.00	7.00	0.00%	Pass
4.00 / 4.00	PH	4.00	PH	3.90	4.00	0.00%	Pass
10.00 / 10.00	PH	10.00	PH	10.03	10.00	0.00%	Pass

Group # 2
Group Name Turbidity
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
0.00 / 0.00	NTU	0.00	NTU	-0.68	0.00	0.00%	Pass
124.00 / 124.00	NTU	124.00	NTU	119.12	124.00	0.00%	Pass

Group # 3
Group Name Conductivity
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.000

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
1.413 / 1.413	ms/cm	1.413	ms/cm	1.500	1.413	0.00%	Pass

Group # 4
Group Name Redox (ORP)
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
240.00 / 240.00	mv	240.00	mv	230.90	240.00	0.00%	Pass

Group # 5
Group Name Disolved Oxygen Span
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 210771
Description YSI Pro DSS
Calibrated 10/22/2024 4:43:35PM

Group # 5
Group Name Disolved Oxygen Span
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
100.00 / 100.00	%	100.00	%	96.50	100.00	0.00%	Pass

Test Instruments Used During the Calibration **(As Of Cal Entry Date)**

Test Standard ID	Description	Manufacturer	Model Number	Serial Number / Lot Number	Last Cal Date/ Opened Date	Next Cal Date / Expiration Date
STL 126NTU L#24E24011653	STL 126 NTU L#24E24011653	YSI	126 NTU	24E24011653		5/25/2025
STL 1413 COND L#4GB0749	STL 1413 COND L#4GB0749	AquaPhoenix Scientific	31986	4GB0749		2/25/2025
STL AUTOCAL LOT#24014218	Auto Cal Solution 0 NTU/PH 4	GFS	8483	24014218		9/25/2025
STL ORP SOLUTION 240MV L#4GG0438	STL ORP SOLUTION 240MV L#4GG0438	AquaPhoenix Scientific	ORP Solution	4GG0438		4/25/2025
STL PH10 #4GB0253	STL PH10 #4GB0253	Absolute Accuracy	PH 10	4GB0253		2/25/2026
STL PH4 L#4GB0637	STL pH4 L#4GB0637	AquaPhoenix Scientific	pH 4	4GB0637		2/25/2026
STL PH7 L#4GG1129	STL PH7 L#4GG1129	AquaPhoenix Scientific	PH7	4GG1129		7/25/2026

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated Austin Carter

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

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

December 27, 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: KIN-24Q4 **WorkOrder:** 24110015

Dear Eric Bauer:

TEKLAB, INC received 32 samples on 11/20/2024 12:00:00 PM for the analysis presented in the following report.

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

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

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

Sincerely,

Elizabeth A. Hurley

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

Report Contents

Client: Ramboll
Work Order: 24110015
Client Project: KIN-24Q4
Report Date: 27-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	34
Receiving Check List	35
Chain of Custody	Appended

Definitions

Client: Ramboll **Work Order:** 24110015

Client Project: KIN-24Q4 **Report Date:** 27-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:** 24110015

Client Project: KIN-24Q4 **Report Date:** 27-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

Teklab, Inc.
Environmental Laboratory

Case Narrative

Client: Ramboll
Work Order: 24110015
Client Project: KIN-24Q4
Report Date: 27-Dec-24

Cooler Receipt Temp: 5.1 °C

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

MW-8S and MW-27 could not be collected; the wells were dry.

Equipment Blanks were not needed. EAH 11/20/24

Ra226/228 analyses were performed by Eurofins St. Louis. See attached report for results and QC.

Locations

Collinsville

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

Springfield

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

Kansas City

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

Collinsville Air

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

Chicago

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

Accreditations

Client: Ramboll **Work Order:** 24110015

Client Project: KIN-24Q4 **Report Date:** 27-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	KWLCP	KY98050		1/31/2026	Collinsville
Kentucky	KWLCP	KY98006		1/31/2026	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:** 24110015

Client Project: KIN-24Q4 **Report Date:** 27-Dec-24

Lab ID: 24110015-001 **Client Sample ID:** MW-1

Matrix: GROUNDWATER **Collection Date:** 11/18/2024 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	12/11/2024 13:01	R358144

Laboratory Results

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

Client: Ramboll **Work Order:** 24110015

Client Project: KIN-24Q4 **Report Date:** 27-Dec-24

Lab ID: 24110015-002 **Client Sample ID:** MW-2

Matrix: GROUNDWATER **Collection Date:** 11/18/2024 10:32

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	12/11/2024 14:47	R358144

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24110015

Client Project: KIN-24Q4 **Report Date:** 27-Dec-24

Lab ID: 24110015-003 **Client Sample ID:** MW-3

Matrix: GROUNDWATER **Collection Date:** 11/18/2024 13:30

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	12/11/2024 14:47	R358144

Laboratory Results

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

Client: Ramboll **Work Order:** 24110015

Client Project: KIN-24Q4 **Report Date:** 27-Dec-24

Lab ID: 24110015-004 **Client Sample ID:** MW-5

Matrix: GROUNDWATER **Collection Date:** 11/19/2024 11:40

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	12/11/2024 14:47	R358144

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24110015

Client Project: KIN-24Q4 **Report Date:** 27-Dec-24

Lab ID: 24110015-005 **Client Sample ID:** MW-6

Matrix: GROUNDWATER **Collection Date:** 11/18/2024 11:40

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	12/11/2024 14:47	R358144

Laboratory Results

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

Client: Ramboll **Work Order:** 24110015

Client Project: KIN-24Q4 **Report Date:** 27-Dec-24

Lab ID: 24110015-006 **Client Sample ID:** MW-7

Matrix: GROUNDWATER **Collection Date:** 11/18/2024 12:21

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	12/11/2024 14:47	R358144

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24110015

Client Project: KIN-24Q4 **Report Date:** 27-Dec-24

Lab ID: 24110015-007 **Client Sample ID:** MW-7S

Matrix: GROUNDWATER **Collection Date:** 11/18/2024 12:41

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	12/11/2024 14:47	R358144

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24110015

Client Project: KIN-24Q4 **Report Date:** 27-Dec-24

Lab ID: 24110015-008 **Client Sample ID:** MW-8

Matrix: GROUNDWATER **Collection Date:** 11/18/2024 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	12/16/2024 12:05	R358144

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24110015

Client Project: KIN-24Q4 **Report Date:** 27-Dec-24

Lab ID: 24110015-010 **Client Sample ID:** MW-11

Matrix: GROUNDWATER **Collection Date:** 11/18/2024 11:55

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	12/16/2024 12:05	R358144

Laboratory Results

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

Client: Ramboll **Work Order:** 24110015

Client Project: KIN-24Q4 **Report Date:** 27-Dec-24

Lab ID: 24110015-011 **Client Sample ID:** MW-12

Matrix: GROUNDWATER **Collection Date:** 11/19/2024 13:42

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	12/16/2024 12:05	R358144

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24110015

Client Project: KIN-24Q4 **Report Date:** 27-Dec-24

Lab ID: 24110015-012 **Client Sample ID:** MW-20

Matrix: GROUNDWATER **Collection Date:** 11/18/2024 14:03

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	12/16/2024 12:05	R358144

Laboratory Results

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

Client: Ramboll
Work Order: 24110015
Client Project: KIN-24Q4
Report Date: 27-Dec-24
Lab ID: 24110015-013
Client Sample ID: MW-20S
Matrix: GROUNDWATER
Collection Date: 11/19/2024 10:57

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	12/16/2024 12:05	R358144

Laboratory Results

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

Client: Ramboll **Work Order:** 24110015

Client Project: KIN-24Q4 **Report Date:** 27-Dec-24

Lab ID: 24110015-014 **Client Sample ID:** MW-23

Matrix: GROUNDWATER **Collection Date:** 11/18/2024 12:38

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	12/16/2024 12:06	R358144

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24110015

Client Project: KIN-24Q4 **Report Date:** 27-Dec-24

Lab ID: 24110015-016 **Client Sample ID:** MW-28

Matrix: GROUNDWATER **Collection Date:** 11/19/2024 13:12

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	12/16/2024 12:06	R358144

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24110015

Client Project: KIN-24Q4 **Report Date:** 27-Dec-24

Lab ID: 24110015-017 **Client Sample ID:** MW-30

Matrix: GROUNDWATER **Collection Date:** 11/19/2024 12:30

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	12/16/2024 12:06	R358144

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24110015

Client Project: KIN-24Q4 **Report Date:** 27-Dec-24

Lab ID: 24110015-018 **Client Sample ID:** MW-31

Matrix: GROUNDWATER **Collection Date:** 11/18/2024 13:49

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	12/16/2024 12:06	R358144

Laboratory Results

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

Client: Ramboll **Work Order:** 24110015

Client Project: KIN-24Q4 **Report Date:** 27-Dec-24

Lab ID: 24110015-019 **Client Sample ID:** MW-31S

Matrix: GROUNDWATER **Collection Date:** 11/19/2024 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	12/16/2024 15:08	R358144

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24110015

Client Project: KIN-24Q4 **Report Date:** 27-Dec-24

Lab ID: 24110015-020 **Client Sample ID:** MW-32

Matrix: GROUNDWATER **Collection Date:** 11/18/2024 13:24

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	12/16/2024 15:08	R358144

Teklab, Inc.
Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24110015

Client Project: KIN-24Q4 **Report Date:** 27-Dec-24

Lab ID: 24110015-021 **Client Sample ID:** MW-33S

Matrix: GROUNDWATER **Collection Date:** 11/20/2024 9:31

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	12/16/2024 12:08	R358144

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24110015

Client Project: KIN-24Q4 **Report Date:** 27-Dec-24

Lab ID: 24110015-022 **Client Sample ID:** MW-34S

Matrix: GROUNDWATER **Collection Date:** 11/20/2024 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	12/16/2024 15:10	R358144

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24110015

Client Project: KIN-24Q4 **Report Date:** 27-Dec-24

Lab ID: 24110015-023 **Client Sample ID:** MW-35S

Matrix: GROUNDWATER **Collection Date:** 11/20/2024 9:53

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	12/18/2024 8:53	R358144

Laboratory Results

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

Client: Ramboll **Work Order:** 24110015

Client Project: KIN-24Q4 **Report Date:** 27-Dec-24

Lab ID: 24110015-024 **Client Sample ID:** PZ-4A

Matrix: GROUNDWATER **Collection Date:** 11/19/2024 10:08

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	12/18/2024 8:53	R358144

Laboratory Results

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

Client: Ramboll **Work Order:** 24110015

Client Project: KIN-24Q4 **Report Date:** 27-Dec-24

Lab ID: 24110015-025 **Client Sample ID:** PZ-4C

Matrix: GROUNDWATER **Collection Date:** 11/19/2024 9:44

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	12/16/2024 18:55	R358144

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24110015

Client Project: KIN-24Q4 **Report Date:** 27-Dec-24

Lab ID: 24110015-026 **Client Sample ID:** Field Blank

Matrix: AQUEOUS **Collection Date:** 11/20/2024 10:31

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	12/18/2024 8:54	R358144

Laboratory Results

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

Client: Ramboll
Work Order: 24110015
Client Project: KIN-24Q4
Report Date: 27-Dec-24
Lab ID: 24110015-027
Client Sample ID: MW-8 Duplicate
Matrix: GROUNDWATER
Collection Date: 11/18/2024 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	12/16/2024 12:09	R358144

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24110015

Client Project: KIN-24Q4 **Report Date:** 27-Dec-24

Lab ID: 24110015-028 **Client Sample ID:** MW-32 Duplicate

Matrix: GROUNDWATER **Collection Date:** 11/18/2024 13:24

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	12/16/2024 12:09	R358144

Laboratory Results

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

Client: Ramboll
Work Order: 24110015
Client Project: KIN-24Q4
Report Date: 27-Dec-24
Lab ID: 24110015-029
Client Sample ID: MW-35S Duplicate
Matrix: GROUNDWATER
Collection Date: 11/20/2024 9:53

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	12/18/2024 8:54	R358144

Sample Summary

Client: Ramboll
Work Order: 24110015
Client Project: KIN-24Q4
Report Date: 27-Dec-24

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
24110015-001	MW-1	Groundwater	1	11/18/2024 11:17
24110015-002	MW-2	Groundwater	1	11/18/2024 10:32
24110015-003	MW-3	Groundwater	1	11/18/2024 13:30
24110015-004	MW-5	Groundwater	1	11/19/2024 11:40
24110015-005	MW-6	Groundwater	1	11/18/2024 11:40
24110015-006	MW-7	Groundwater	1	11/18/2024 12:21
24110015-007	MW-7S	Groundwater	1	11/18/2024 12:41
24110015-008	MW-8	Groundwater	1	11/18/2024 10:38
24110015-009	MW-8S	Groundwater	1	11/18/2024 0:00
24110015-010	MW-11	Groundwater	1	11/18/2024 11:55
24110015-011	MW-12	Groundwater	1	11/19/2024 13:42
24110015-012	MW-20	Groundwater	1	11/18/2024 14:03
24110015-013	MW-20S	Groundwater	1	11/19/2024 10:57
24110015-014	MW-23	Groundwater	1	11/18/2024 12:38
24110015-015	MW-27	Groundwater	1	11/18/2024 0:00
24110015-016	MW-28	Groundwater	1	11/19/2024 13:12
24110015-017	MW-30	Groundwater	1	11/19/2024 12:30
24110015-018	MW-31	Groundwater	1	11/18/2024 13:49
24110015-019	MW-31S	Groundwater	1	11/19/2024 12:04
24110015-020	MW-32	Groundwater	1	11/18/2024 13:24
24110015-021	MW-33S	Groundwater	1	11/20/2024 9:31
24110015-022	MW-34S	Groundwater	1	11/20/2024 10:23
24110015-023	MW-35S	Groundwater	1	11/20/2024 9:53
24110015-024	PZ-4A	Groundwater	1	11/19/2024 10:08
24110015-025	PZ-4C	Groundwater	1	11/19/2024 9:44
24110015-026	Field Blank	Aqueous	1	11/20/2024 10:31
24110015-027	MW-8 Duplicate	Groundwater	1	11/18/2024 10:38
24110015-028	MW-32 Duplicate	Groundwater	1	11/18/2024 13:24
24110015-029	MW-35S Duplicate	Groundwater	1	11/20/2024 9:53
24110015-030	Equipment Blank 1	Aqueous	1	
24110015-031	Equipment Blank 2	Aqueous	1	
24110015-032	Equipment Blank 3	Aqueous	1	

Teklab, Inc. Environmental Laboratory

Receiving Check List

http://www.teklabinc.com/

Client: Ramboll

Work Order: 24110015

Client Project: KIN-24Q4

Report Date: 27-Dec-24

Carrier: Daniel Crump

Received By: JMD

Completed by: Amber Dilallo
On: 18-Nov-24

Reviewed by: Elizabeth A. Hurley
On: 20-Nov-24

Pages to follow: Chain of custody 6 Extra pages included 35

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 (100984) was needed upon arrival at the laboratory for MW-8. pH strip #96651. - JD/amberdilallo - 11/18/2024 4:35:11 PM

Samples were received on 11/19/24 at 1510 on ice [3.9C/4.3C - LTG#5]. Additional Nitric Acid (100984) was needed in MW-5, MW-30, and MW-31S upon arrival at the laboratory. pH strip #96651. - amberdilallo - 11/19/2024 3:53:20 PM

Samples were received on 11/20/24 at 1200 on ice [3.1C - LTG#5]. pH strip #96651. - JD/amberdilallo - 11/20/2024 5:17:20 PM

Added HNO3 (1009845) MW8 1/2 pH √ 9/19/24 JMM

CHAIN-OF-CUSTODY / Analytical Request Document

24110015

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-Kincaid	Report To:	Brian Voelker, Sam Davies	Attention:	Brian Voelker, Tim Arnold
Address:	199 IL 104	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Kincaid, IL 62540		Tim Arnold: Tim.Arnold@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:	Liz Hurley
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)

Ra226+228, only

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: KIN-257-141	KIN-845-141	KIN-NE-141	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-1		WT	G	11-18-24	1117		2			2						X	X	X		24110015-001
2	MW-2		WT	G	11-18-24	1032		2			2						X	X	X		24110015-002
3	MW-3		WT	G	11-18-24	1330		2			2						X	X			24110015-003
4	MW-5		WT	G				2			2						X	X			24110015-004
5	MW-6		WT	G	11-18-24	1140		2			2						X	X			24110015-005
6	MW-7		WT	G	11-18-24	1221		2			2						X	X			24110015-006
7	MW-7S		WT	G	11-18-24	1241		2			2						X	X			24110015-007
8	MW-8		WT	G	11-18-24	1038		2			2						X	X			24110015-008
9	MW-8S		WT	G	11-18-24	Dry		2			2						X	X			24110015-009
10	MW-11		WT	G	11-18-24	1155		2			2						X	X			24110015-010
11	MW-12		WT	G				2			2						X	X			24110015-011
12	MW-20		WT	G	11-18-24	1403		2			2						X	X			24110015-012
13	MW-20S		WT	G				2			2						X	X			24110015-013
14	MW-23		WT	G	11-18-24	1238		2			2						X	X			24110015-014
15	MW-27		WT	G	11-18-24	Dry		2			2						X	X			24110015-015
16	MW-28		WT	G				2			2						X	X			24110015-016

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
KIN-24Q4 Rev 0		11-18	1600	Jackie Davis	11/18/24	16:00

SAMPLE CONDITIONS

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

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Judith Colp

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 11-18-24

KGS

CHAIN-OF-CUSTODY / Analytical Request Document

24110015

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Page: 2 of 3

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Kincaid	Report To:	Brian Voelker, Sam Davies	Attention:	Brian Voelker, Tim Arnold
Address:	199 IL 104	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Kincaid, IL 62540		Tim Arnold: Tim.Arnold@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:	Liz Hurley
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	KIN-257-141	KIN-845-141	KIN-NE-141	Residual Chlorine (Y/N)	Ra226+228, only: Project No./ Lab I.D.
1	MW-30	WT	G				2			2							X	X			24110015-017
2	MW-31	WT	G	11-18-24	1349		2			2							X	X			24110015-018
3	MW-31S	WT	G				2			2							X	X			24110015-019
4	MW-32	WT	G	11-18-24	1324		2			2							X	X			24110015-020
5	MW-33S	WT	G				2			2									X		24110015-021
6	MW-34S	WT	G				2			2									X		24110015-022
7	MW-35S	WT	G				2			2									X		24110015-023
8	PZ-4A	WT	G				2			2									X		24110015-024
9	PZ-4C	WT	G				2			2							X	X			24110015-025
10	SG-02	WT	G				0										X	X			N/A
11	XSG-01	WT	G				0										X	X			N/A
12	Field Blank	WT	G				2			2							X	X	X		24110015-026
13	MW-08 Duplicate	WT	G	11-18-24	1038		2			2							X	X			24110015-027
14	MW-32 Duplicate	WT	G	11-18-24	1224		2			2							X	X			24110015-028
15	MW-35S Duplicate	WT	G				2			2									X		24110015-029
16	Equipment Blank 1	WT	G				2			2							X	X	X		24110015-030

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
KIN-24Q4 Rev 0		11-18	1600		11/18/24	16:00				

SAMPLER NAME AND SIGNATURE				
PRINT Name of SAMPLER:		DATE Signed (MM/DD/YY):	11-18-24	
SIGNATURE of SAMPLER:				

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

24110015

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 3 of 3

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Kincaid	Report To:	Brian Voelker, Sam Davies	Attention:	Brian Voelker, Tim Arnold
Address:	199 iL 104	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Kincaid, IL 62540		Tim Arnold: Tim.Arnold@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:	Liz Hurley
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)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE 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): KIN-257-141	KIN-845-141	KIN-NE-141	Residual Chlorine (Y/N)	Ra226+228, only: Project No./ Lab I.D.
1	Equipment Blank 2	WT	G				2			2							X	X	X		24110015-031
2	Equipment Blank 3	WT	G				2			2							X	X	X		24110015-032
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					
13																					
14																					
15																					
16																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
KIN-24Q4 Rev 0	[signature]	11-18	1600	Jackie Davis	11/18/24	16:00				
							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Brett Gillman

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 11-18-24

24110015

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 1 of 3

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Kincaid	Report To:	Brian Voelker, Sam Davies	Attention:	Brian Voelker, Tim Arnold
Address:	199 IL 104	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Kincaid, IL 62540		Tim Arnold: Tim.Arnold@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:	Liz Hurley
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	KIN-257-141	KIN-845-141	KIN-NE-141	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-1	WT	G				2			2							X	X	X		24110015-001
2	MW-2	WT	G				2			2							X	X	X		24110015-002
3	MW-3	WT	G				2			2							X	X			24110015-003
4	MW-5	WT	G	11-19-24	1140		2			2							X	X			24110015-004
5	MW-6	WT	G				2			2							X	X			24110015-005
6	MW-7	WT	G				2			2							X	X			24110015-006
7	MW-7S	WT	G				2			2							X	X			24110015-007
8	MW-8	WT	G				2			2							X	X			24110015-008
9	MW-8S	WT	G				2			2							X	X			24110015-009
10	MW-11	WT	G				2			2							X	X			24110015-010
11	MW-12	WT	G	11-19-24	1342		2			2							X	X			24110015-011
12	MW-20	WT	G				2			2							X	X			24110015-012
13	MW-20S	WT	G	11-19-24	1057		2			2							X	X			24110015-013
14	MW-23	WT	G				2			2							X	X			24110015-014
15	MW-27	WT	G				2			2							X	X			24110015-015
16	MW-28	WT	G	11-19-24	1312		2			2							X	X			24110015-016

Requested Analysis Filtered (Y/N)

Ra226+228, only

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
KIN-24Q4 Rev 0	[illegible] SO	11-19	1519	[illegible]	11/19/24	1520	3.9			
							4.3	#5		

SAMPLER NAME AND SIGNATURE			Temp in °C	Received on ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Justin Cold					
SIGNATURE of SAMPLER:	[signature]	DATE Signed (MM/DD/YY): 11-19-24				

Seneca HNO3 (100 9/24) to

CHAIN-OF-CUSTODY / Analytical Request Document

24110015

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-Kincaid	Report To: Brian Voelker, Sam Davies	Attention: Brian Voelker, Tim Arnold
Address: 199 IL 104	Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp
Kincaid, IL 62540	Tim Arnold: Tim.Arnold@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: Liz Hurley
Requested Due Date/TAT: 10 day	Project Number:	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: KIN-257-141	KIN-845-141	KIN-NE-141	Residual Chlorine (Y/N)	Ra226+228, only: Project No./ Lab I.D.
1	MW-30	WT	G	11-19-24	1230		2			2							X	X			24110015-017
2	MW-31	WT	G				2			2							X	X			24110015-018
3	MW-31S	WT	G	11-19-24	1204		2			2							X	X			24110015-019
4	MW-32	WT	G				2			2							X	X			24110015-020
5	MW-33S	WT	G				2			2									X		24110015-021
6	MW-34S	WT	G				2			2									X		24110015-022
7	MW-35S	WT	G				2			2									X		24110015-023
8	PZ-4A	WT	G	11-19-24	1008		2			2									X		24110015-024
9	PZ-4C	WT	G	11-19-24	0944		2			2							X	X			24110015-025
10	SG-02	WT	G				0										X	X			N/A
11	XSG-01	WT	G				0										X	X			N/A
12	Field Blank	WT	G				2			2							X	X	X		24110015-026
13	MW-08 Duplicate	WT	G				2			2							X	X			24110015-027
14	MW-32 Duplicate	WT	G				2			2							X	X			24110015-028
15	MW-35S Duplicate	WT	G				2			2									X		24110015-029
16	Equipment Blank 1	WT	G				2			2							X	X	X		24110015-030

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)
KIN-24Q4 Rev 0		11-19	1510		11/19/24	1510		Y	N	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Gelo

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 11-19-24

PH 96651
3.1 #5 Ice JD 11/20/24

24110015

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-Kincaid	Report To:	Brian Voelker, Sam Davies	Attention:	Brian Voelker, Tim Arnold
Address:	199 IL 104	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Kincaid, IL 62540		Tim Arnold: Tim.Arnold@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:	Liz Hurley
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 → KIN-257-141	KIN-845-141	KIN-NE-141	Residual Chlorine (Y/N)	Ra226+228, only: Project No./ Lab I.D.
1	MW-30	WT	G				2			2						X	X				24110015-017
2	MW-31	WT	G				2			2						X	X				24110015-018
3	MW-31S	WT	G				2			2						X	X				24110015-019
4	MW-32	WT	G				2			2						X	X				24110015-020
5	MW-33S	WT	G	11-20-24	0931		2			2								X			24110015-021
6	MW-34S	WT	G	↓	1023		2			2								X			24110015-022
7	MW-35S	WT	G	↓	0953		2			2								X			24110015-023
8	PZ-4A	WT	G				2			2								X			24110015-024
9	PZ-4C	WT	G				2			2						X	X				24110015-025
10	SG-02	WT	G				0									X	X				N/A
11	XSG-01	WT	G				0									X	X				N/A
12	Field Blank	WT	G	11-20-24	1031		2			2						X	X	X			24110015-026
13	MW-08 Duplicate	WT	G				2			2						X	X				24110015-027
14	MW-32 Duplicate	WT	G				2			2						X	X				24110015-028
15	MW-35S Duplicate	WT	G	11-20-24	0953		2			2								X			24110015-029
16	Equipment Blank 1	WT	G				2			2						X	X	X			24110015-030

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
KIN-24Q4 Rev 0	[signature]	11-20	1200	[signature]	11/20/24	1200				

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 Golf					
SIGNATURE of SAMPLER:	[signature]	DATE Signed (MM/DD/YY): 11-20-24				

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 12/26/2024 7:05:24 PM

JOB DESCRIPTION

Radium-226 and Radium-228
24110015

JOB NUMBER

160-56404-1

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
12/26/2024 7:05:24 PM

Authorized for release by
Rhonda Ridenhower, Business Unit Manager
Rhonda.Ridenhower@et.eurofinsus.com
Designee for
Erika Smith, Project Manager
erika.smith@et.eurofinsus.com
(314)298-8566

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QC Association Summary 32
Tracer Carrier Summary 34

Case Narrative

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

Job ID: 160-56404-1

Job ID: 160-56404-1 — Eurofins St. Louis

CASE NARRATIVE

Client: TekLab, Inc

Project: 24110015

Report Number: 160-56404-1

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 11/22/2024 12:50 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved. The temperatures of the 8 coolers at receipt time were 8.4°C, 15.0°C, 16.5°C, 17.6°C, 18.2°C, 18.2°C, 18.2°C and 18.6°C.

Sample 24110015-028 (160-56404-26) had its Collection time changed from 11/18/2024 12:24:00 PM to 11/18/2024 1:24:00 PM per the email from the client. The email is included in the final report for documentation.

Method 903.0 - Radium-226 (GFPC)
Samples 24110015-001 (160-56404-1), 24110015-002 (160-56404-2), 24110015-003 (160-56404-3), 24110015-004 (160-56404-4), 24110015-005 (160-56404-5), 24110015-006 (160-56404-6), 24110015-007 (160-56404-7), 24110015-008 (160-56404-8), 24110015-010 (160-56404-9), 24110015-011 (160-56404-10), 24110015-012 (160-56404-11), 24110015-013 (160-56404-12), 24110015-014 (160-56404-13), 24110015-016 (160-56404-14), 24110015-017 (160-56404-15), 24110015-018 (160-56404-16), 24110015-019 (160-56404-17), 24110015-020 (160-56404-18), 24110015-021 (160-56404-19), 24110015-022 (160-56404-20), 24110015-023 (160-56404-21), 24110015-024 (160-56404-22), 24110015-025 (160-56404-23), 24110015-026 (160-56404-24), 24110015-027 (160-56404-25), 24110015-028 (160-56404-26) and 24110015-029 (160-56404-27) were analyzed for Radium-226 (GFPC). The samples were prepared on 11/25/2024 and analyzed on 12/17/2024 and 12/18/2024.

Method 904.0 - Radium-228 (GFPC)

Case Narrative

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

Job ID: 160-56404-1

Job ID: 160-56404-1 (Continued) — Eurofins St. Louis

Samples 24110015-001 (160-56404-1), 24110015-002 (160-56404-2), 24110015-003 (160-56404-3), 24110015-004 (160-56404-4), 24110015-005 (160-56404-5), 24110015-006 (160-56404-6), 24110015-007 (160-56404-7), 24110015-008 (160-56404-8), 24110015-010 (160-56404-9), 24110015-011 (160-56404-10), 24110015-012 (160-56404-11), 24110015-013 (160-56404-12), 24110015-014 (160-56404-13), 24110015-016 (160-56404-14), 24110015-017 (160-56404-15), 24110015-018 (160-56404-16), 24110015-019 (160-56404-17), 24110015-020 (160-56404-18), 24110015-021 (160-56404-19), 24110015-022 (160-56404-20), 24110015-023 (160-56404-21), 24110015-024 (160-56404-22), 24110015-025 (160-56404-23), 24110015-026 (160-56404-24), 24110015-027 (160-56404-25), 24110015-028 (160-56404-26) and 24110015-029 (160-56404-27) were analyzed for Radium-228 (GFPC). The samples were prepared on 11/25/2024 and 12/19/2024 and analyzed on 12/11/2024, 12/16/2024 and 12/26/2024.

Radium-228 prep batch 160-690422
The detection goal was not met for the following samples due to the reduced sample volume attributed to the presence of matrix interferences: 24110015-002 (160-56404-2), 24110015-004 (160-56404-4) and 24110015-006 (160-56404-6) . Analytical results are reported with the detection limit achieved.

The MDC for the following sample is flagged as failing; The laboratory considers the detection goal (requested limit) met when rounding to the appropriate place value. 24110015-007 (160-56404-7)

Radium-228 Prep Batch 160-690425
The MDC for the following sample is flagged as failing; The laboratory considers the detection goal (requested limit) met when rounding to the appropriate place value. 24110015-020 (160-56404-18)

The detection goal was not met for the following samples due to the reduction of sample size attributed to the presence of matrix interferences (discoloration, turbidity): 24110015-019 (160-56404-17), 24110015-021 (160-56404-19) and 24110015-025 (160-56404-23). Analytical results are reported with the detection limit achieved.

Method Ra226_Ra228 Pos - Combined Radium-226 and Radium-228
Samples 24110015-001 (160-56404-1), 24110015-002 (160-56404-2), 24110015-003 (160-56404-3), 24110015-004 (160-56404-4), 24110015-005 (160-56404-5), 24110015-006 (160-56404-6), 24110015-007 (160-56404-7), 24110015-008 (160-56404-8), 24110015-010 (160-56404-9), 24110015-011 (160-56404-10), 24110015-012 (160-56404-11), 24110015-013 (160-56404-12), 24110015-014 (160-56404-13), 24110015-016 (160-56404-14), 24110015-017 (160-56404-15), 24110015-018 (160-56404-16), 24110015-019 (160-56404-17), 24110015-020 (160-56404-18), 24110015-021 (160-56404-19), 24110015-022 (160-56404-20), 24110015-023 (160-56404-21), 24110015-024 (160-56404-22), 24110015-025 (160-56404-23), 24110015-026 (160-56404-24), 24110015-027 (160-56404-25), 24110015-028 (160-56404-26) and 24110015-029 (160-56404-27) were analyzed for Combined Radium-226 and Radium-228. The samples were analyzed on 12/26/2024.

TEKLAB, INC. Chain of Custody

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

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

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: | Sampler: Teklab Sampling Team | QC Level: 2

Comments:
- **Please Issue reports and invoices via email only**
- Please analyze for Radium 226/228 per methods specified for Vistra/Ramboll projects.
- Method changes require Teklab authorization. Samples collected from an IL site.
- Batch QC is required for all analyses requested. Vistra-EDD requested.

Project# 24110015

Contact: Elizabeth Hurley | Email: EHurley@TekLabInc.com
Requested Due Date: Standard TAT | Billing/PO: 37378 | 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									
	24110015-001	11/18/24 1117	HNO3	Groundwater	✔											
	24110015-002	11/18/24 1032	HNO3	Groundwater	✔											
	24110015-003	11/18/24 1330	HNO3	Groundwater	✔											
	24110015-004	11/19/24 1140	HNO3	Groundwater	✔											
	24110015-005	11/18/24 1140	HNO3	Groundwater	✔											
	24110015-006	11/18/24 1221	HNO3	Groundwater	✔											
	24110015-007	11/18/24 1241	HNO3	Groundwater	✔											
	24110015-008	11/18/24 1038	HNO3	Groundwater	✔											
	24110015-009	Dry	HNO3	Groundwater	✔											
	24110015-010	11/18/24 1155	HNO3	Groundwater	✔											
	24110015-011	11/19/24 1342	HNO3	Groundwater	✔											

160-56404 Chain of Custody

*Relinquished By	Date/Time	Received By	Date/Time
	11.22.24 1105	M. Pinette	11.22.24 1105
	11.22.24 1245	Meadow Pinette	NOV 22 2024 1250

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# 24110015

Contact: Elizabeth Hurley | Email: EHurley@TekLabInc.com
Requested Due Date: Standard TAT | Billing/PO: 37378 | Phone: (618) 344-1004 ext. 33

PLEASE NOTE:

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228
	24110015-012	11/18/24 1403	HNO3	Groundwater	✔		
	24110015-013	11/19/24 1057	HNO3	Groundwater	✔		
	24110015-014	11/18/24 1238	HNO3	Groundwater	✔		
	24110015-015	Dry	HNO3	Groundwater	✔		
	24110015-016	11/19/24 1312	HNO3	Groundwater	✔		
	24110015-017	11/19/24 1230	HNO3	Groundwater	✔		
	24110015-018	11/18/24 1349	HNO3	Groundwater	✔		
	24110015-019	11/19/24 1204	HNO3	Groundwater	✔		
	24110015-020	11/18/24 1324	HNO3	Groundwater	✔		
	24110015-021	11/20/24 0931	HNO3	Groundwater	✔		
	24110015-022	11/20/24 1023	HNO3	Groundwater	✔		

*Relinquished By	Date/Time	Received By	Date/Time
	11-22-24 / 1105	M. Pinette	11.22.24 / 1105
	11-22-24 / 1245	Meadow Pinette	NOV 2 2 2024 1250

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SubCocRevA
3/2/2016

TEKLAB, INC. Chain of Custody

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

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

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: | Sampler: Teklab Sampling Team | QC Level: 2

Comments: **Please Issue reports and invoices via email only**
Please analyze for Radium 226/228 per methods specified for Vistra/Ramboll projects.
Method changes require Teklab authorization. Samples collected from an IL site.
Batch QC is required for all analyses requested. Vistra-EDD requested.

Project# 24110015

Contact: Elizabeth Hurley | Email: EHurley@TekLabInc.com
Requested Due Date: Standard TAT | Billing/PO: 37378 | 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
	24110015-023	11/20/24 0953	HNO3	Groundwater	✔		
	24110015-024	11/19/24 1008	HNO3	Groundwater	✔		
	24110015-025	11/19/24 0944	HNO3	Groundwater	✔		
	24110015-026	11/20/24 1031	HNO3	Aqueous	✔		
	24110015-027	11/18/24 1038	HNO3	Groundwater	✔		
	24110015-028	11/18/24 1224	HNO3	Groundwater	✔		
	24110015-029	11/20/24 0953	HNO3	Groundwater	✔		
			HNO3	Aqueous			
			HNO3	Aqueous			
			HNO3	Aqueous			
			HNO3	Groundwater			

*Relinquished By	Date/Time	Received By	Date/Time
	11.22.24 / 1105		11.22.24 / 1105
	11.22.24 / 1245	Meadow Pinette	NOV 22 2024 1250

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SubCocRevA
3/2/2016

Erika Smith

From: Elizabeth A. Hurley <EHurley@TekLabInc.com>
Sent: Tuesday, December 3, 2024 12:47 PM
To: Erika Smith
Subject: RE: Eurofins TestAmerica sample confirmation files from 160-56404-1 Radium-226 and Radium-228

Unverified Sender: The sender of this email has not been verified. Review the content of the message carefully and verify the identity of the sender before acting on this email: replying, opening attachments or clicking links.

Hi, Erika,

I've reviewed the field file and found a transcription error on the COC. 24110015-028 should be reported as collected at 1324 rather than 1224. Will you please update your database prior to reporting?

Thanks.

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

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From: Erika Smith <TALS@reports.et.eurofinsus.com>
Sent: Friday, November 22, 2024 4:36 PM
To: Elizabeth A. Hurley <EHurley@TekLabInc.com>
Subject: Eurofins TestAmerica sample confirmation files from 160-56404-1 Radium-226 and Radium-228

Good afternoon!

Attached please find the sample confirmation files for job 160-56404-1; Radium-226 and Radium-228

The samples were received on 11/22/2024 12:50 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 L Smith
Project Manager

Eurofins St. Louis

E-mail: erika.smith@et.eurofinsus.com
www.eurofinsus.com/env



Reference: [160-314698]
Attachments: 1

> > Bank information has changed, please refer to remittance information on invoice. < <

Login Sample Receipt Checklist

Client: TekLab, Inc

Job Number: 160-56404-1
SDG Number: 24110015

Login Number: 56404
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?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Definitions/Glossary

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

Job ID: 160-56404-1
SDG: 24110015

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: 160-56404-1
SDG: 24110015

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: 160-56404-1
SDG: 24110015

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
160-56404-1	24110015-001	Water	11/18/24 11:17	11/22/24 12:50
160-56404-2	24110015-002	Water	11/18/24 10:32	11/22/24 12:50
160-56404-3	24110015-003	Water	11/18/24 13:30	11/22/24 12:50
160-56404-4	24110015-004	Water	11/19/24 11:40	11/22/24 12:50
160-56404-5	24110015-005	Water	11/18/24 11:40	11/22/24 12:50
160-56404-6	24110015-006	Water	11/18/24 12:21	11/22/24 12:50
160-56404-7	24110015-007	Water	11/18/24 12:41	11/22/24 12:50
160-56404-8	24110015-008	Water	11/18/24 10:38	11/22/24 12:50
160-56404-9	24110015-010	Water	11/18/24 11:55	11/22/24 12:50
160-56404-10	24110015-011	Water	11/19/24 13:42	11/22/24 12:50
160-56404-11	24110015-012	Water	11/18/24 14:03	11/22/24 12:50
160-56404-12	24110015-013	Water	11/19/24 10:57	11/22/24 12:50
160-56404-13	24110015-014	Water	11/18/24 12:38	11/22/24 12:50
160-56404-14	24110015-016	Water	11/19/24 13:12	11/22/24 12:50
160-56404-15	24110015-017	Water	11/19/24 12:30	11/22/24 12:50
160-56404-16	24110015-018	Water	11/18/24 13:49	11/22/24 12:50
160-56404-17	24110015-019	Water	11/19/24 12:04	11/22/24 12:50
160-56404-18	24110015-020	Water	11/18/24 13:24	11/22/24 12:50
160-56404-19	24110015-021	Water	11/20/24 09:31	11/22/24 12:50
160-56404-20	24110015-022	Water	11/20/24 10:23	11/22/24 12:50
160-56404-21	24110015-023	Water	11/20/24 09:53	11/22/24 12:50
160-56404-22	24110015-024	Water	11/19/24 10:08	11/22/24 12:50
160-56404-23	24110015-025	Water	11/19/24 09:44	11/22/24 12:50
160-56404-24	24110015-026	Water	11/20/24 10:31	11/22/24 12:50
160-56404-25	24110015-027	Water	11/18/24 10:38	11/22/24 12:50
160-56404-26	24110015-028	Water	11/18/24 13:24	11/22/24 12:50
160-56404-27	24110015-029	Water	11/20/24 09:53	11/22/24 12:50

Client Sample Results

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

Job ID: 160-56404-1
SDG: 24110015

Client Sample ID: 24110015-001
Date Collected: 11/18/24 11:17
Date Received: 11/22/24 12:50

Lab Sample ID: 160-56404-1
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	0.0144	U	0.0841	0.0841	1.00	0.160	pCi/L	11/25/24 09:24	12/17/24 08:52	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.1*		*30 - 110*	*11/25/24 09:24*	*12/17/24 08:52*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-1.57	U	0.198	0.245	1.00	0.911	pCi/L	11/25/24 09:29	12/11/24 13:01	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.1*		*30 - 110*	*11/25/24 09:29*	*12/11/24 13:01*	*1*
Y Carrier	*78.1*		*30 - 110*	*11/25/24 09:29*	*12/11/24 13:01*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.0144	U	0.215	0.259	5.00	0.911	pCi/L		12/26/24 09:32	1

Client Sample ID: 24110015-002
Date Collected: 11/18/24 10:32
Date Received: 11/22/24 12:50

Lab Sample ID: 160-56404-2
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	**0.757**		0.273	0.281	1.00	0.284	pCi/L	11/25/24 09:24	12/17/24 08:53	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.7*		*30 - 110*	*11/25/24 09:24*	*12/17/24 08:53*	*1*

Method: EPA 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	0.886	0.887	1.00	1.81	pCi/L	11/25/24 09:29	12/11/24 14:47	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.7*		*30 - 110*	*11/25/24 09:29*	*12/11/24 14:47*	*1*
Y Carrier	*78.5*		*30 - 110*	*11/25/24 09:29*	*12/11/24 14:47*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.757	U	0.927	0.930	5.00	1.81	pCi/L		12/26/24 09:32	1

Client Sample Results

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

Job ID: 160-56404-1
SDG: 24110015

Client Sample ID: 24110015-003
Date Collected: 11/18/24 13:30
Date Received: 11/22/24 12:50

Lab Sample ID: 160-56404-3
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	0.0152	U	0.0747	0.0747	1.00	0.144	pCi/L	11/25/24 09:24	12/17/24 08:53	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.0*		*30 - 110*	*11/25/24 09:24*	*12/17/24 08:53*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0105	U	0.389	0.389	1.00	0.741	pCi/L	11/25/24 09:29	12/11/24 14:47	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.0*		*30 - 110*	*11/25/24 09:29*	*12/11/24 14:47*	*1*
Y Carrier	*80.4*		*30 - 110*	*11/25/24 09:29*	*12/11/24 14:47*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.0257	U	0.396	0.396	5.00	0.741	pCi/L		12/26/24 09:32	1

Client Sample ID: 24110015-004
Date Collected: 11/19/24 11:40
Date Received: 11/22/24 12:50

Lab Sample ID: 160-56404-4
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	0.177	U	0.129	0.130	1.00	0.186	pCi/L	11/25/24 09:24	12/17/24 20:29	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.8*		*30 - 110*	*11/25/24 09:24*	*12/17/24 20:29*	*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	-0.00930	U G	0.655	0.655	1.00	1.22	pCi/L	11/25/24 09:29	12/11/24 14:47	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.8*		*30 - 110*	*11/25/24 09:29*	*12/11/24 14:47*	*1*
Y Carrier	*78.1*		*30 - 110*	*11/25/24 09:29*	*12/11/24 14:47*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.177	U	0.668	0.668	5.00	1.22	pCi/L		12/26/24 09:32	1

Client Sample Results

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

Job ID: 160-56404-1
SDG: 24110015

Client Sample ID: 24110015-005

Date Collected: 11/18/24 11:40
Date Received: 11/22/24 12:50

Lab Sample ID: 160-56404-5

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	0.107	U	0.0964	0.0969	1.00	0.148	pCi/L	11/25/24 09:24	12/17/24 20:30	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.7*		*30 - 110*	*11/25/24 09:24*	*12/17/24 20:30*	*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	-0.190	U	0.466	0.467	1.00	0.938	pCi/L	11/25/24 09:29	12/11/24 14:47	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.7*		*30 - 110*	*11/25/24 09:29*	*12/11/24 14:47*	*1*
Y Carrier	*74.4*		*30 - 110*	*11/25/24 09:29*	*12/11/24 14:47*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.107	U	0.476	0.477	5.00	0.938	pCi/L		12/26/24 09:32	1

Client Sample ID: 24110015-006

Date Collected: 11/18/24 12:21
Date Received: 11/22/24 12:50

Lab Sample ID: 160-56404-6

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	**0.465**		0.196	0.201	1.00	0.235	pCi/L	11/25/24 09:24	12/17/24 20:30	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*79.2*		*30 - 110*	*11/25/24 09:24*	*12/17/24 20:30*	*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	-0.199	U G	0.719	0.719	1.00	1.40	pCi/L	11/25/24 09:29	12/11/24 14:47	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*79.2*		*30 - 110*	*11/25/24 09:29*	*12/11/24 14:47*	*1*
Y Carrier	*72.9*		*30 - 110*	*11/25/24 09:29*	*12/11/24 14:47*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.465	U	0.745	0.747	5.00	1.40	pCi/L		12/26/24 09:32	1

Client Sample Results

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

Job ID: 160-56404-1
SDG: 24110015

Client Sample ID: 24110015-007
Date Collected: 11/18/24 12:41
Date Received: 11/22/24 12:50

Lab Sample ID: 160-56404-7
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	0.168		0.105	0.106	1.00	0.144	pCi/L	11/25/24 09:24	12/17/24 20:30	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.3*		*30 - 110*	*11/25/24 09:24*	*12/17/24 20:30*	*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	-0.154	U G	0.532	0.532	1.00	1.01	pCi/L	11/25/24 09:29	12/11/24 14:47	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.3*		*30 - 110*	*11/25/24 09:29*	*12/11/24 14:47*	*1*
Y Carrier	*79.6*		*30 - 110*	*11/25/24 09:29*	*12/11/24 14:47*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.168	U	0.542	0.542	5.00	1.01	pCi/L		12/26/24 09:32	1

Client Sample ID: 24110015-008
Date Collected: 11/18/24 10:38
Date Received: 11/22/24 12:50

Lab Sample ID: 160-56404-8
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	0.112	U	0.157	0.157	1.00	0.265	pCi/L	11/25/24 09:30	12/17/24 20:34	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.8*		*30 - 110*	*11/25/24 09:30*	*12/17/24 20:34*	*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	0.00447	U	0.324	0.324	1.00	0.600	pCi/L	11/25/24 09:34	12/16/24 12:05	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.8*		*30 - 110*	*11/25/24 09:34*	*12/16/24 12:05*	*1*
Y Carrier	*89.3*		*30 - 110*	*11/25/24 09:34*	*12/16/24 12:05*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.116	U	0.360	0.360	5.00	0.600	pCi/L		12/26/24 09:32	1

Client Sample Results

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

Job ID: 160-56404-1
SDG: 24110015

Client Sample ID: 24110015-010

Lab Sample ID: 160-56404-9
Date Collected: 11/18/24 11:55
Matrix: Water
Date Received: 11/22/24 12:50

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0864	U	0.173	0.173	1.00	0.303	pCi/L	11/25/24 09:30	12/17/24 20:34	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.7*		*30 - 110*	*11/25/24 09:30*	*12/17/24 20:34*	*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	0.419	U	0.337	0.340	1.00	0.523	pCi/L	11/25/24 09:34	12/16/24 12:05	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.7*		*30 - 110*	*11/25/24 09:34*	*12/16/24 12:05*	*1*
Y Carrier	*81.9*		*30 - 110*	*11/25/24 09:34*	*12/16/24 12:05*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.506	U	0.379	0.381	5.00	0.523	pCi/L		12/26/24 09:32	1

Client Sample ID: 24110015-011

Lab Sample ID: 160-56404-10
Date Collected: 11/19/24 13:42
Matrix: Water
Date Received: 11/22/24 12:50

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.184	U	0.148	0.149	1.00	0.211	pCi/L	11/25/24 09:30	12/17/24 20:31	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.0*		*30 - 110*	*11/25/24 09:30*	*12/17/24 20:31*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.0724	U	0.298	0.298	1.00	0.589	pCi/L	11/25/24 09:34	12/16/24 12:05	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.0*		*30 - 110*	*11/25/24 09:34*	*12/16/24 12:05*	*1*
Y Carrier	*80.4*		*30 - 110*	*11/25/24 09:34*	*12/16/24 12:05*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.184	U	0.333	0.333	5.00	0.589	pCi/L		12/26/24 09:32	1

Client Sample Results

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

Job ID: 160-56404-1
SDG: 24110015

Client Sample ID: 24110015-012

Lab Sample ID: 160-56404-11
Date Collected: 11/18/24 14:03
Matrix: Water
Date Received: 11/22/24 12:50

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.216	U	0.194	0.195	1.00	0.301	pCi/L	11/25/24 09:30	12/17/24 20:31	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.1*		*30 - 110*	*11/25/24 09:30*	*12/17/24 20:31*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.423	U	0.323	0.326	1.00	0.490	pCi/L	11/25/24 09:34	12/16/24 12:05	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.1*		*30 - 110*	*11/25/24 09:34*	*12/16/24 12:05*	*1*
Y Carrier	*85.2*		*30 - 110*	*11/25/24 09:34*	*12/16/24 12:05*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.640**		0.377	0.380	5.00	0.490	pCi/L		12/26/24 09:32	1

Client Sample ID: 24110015-013

Lab Sample ID: 160-56404-12
Date Collected: 11/19/24 10:57
Matrix: Water
Date Received: 11/22/24 12:50

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.101	U	0.133	0.133	1.00	0.221	pCi/L	11/25/24 09:30	12/17/24 20:32	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.0*		*30 - 110*	*11/25/24 09:30*	*12/17/24 20:32*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.498	U	0.423	0.425	1.00	0.666	pCi/L	11/25/24 09:34	12/16/24 12:05	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.0*		*30 - 110*	*11/25/24 09:34*	*12/16/24 12:05*	*1*
Y Carrier	*83.0*		*30 - 110*	*11/25/24 09:34*	*12/16/24 12:05*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.600	U	0.443	0.445	5.00	0.666	pCi/L		12/26/24 09:32	1

Client Sample Results

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

Job ID: 160-56404-1
SDG: 24110015

Client Sample ID: 24110015-014
Date Collected: 11/18/24 12:38
Date Received: 11/22/24 12:50

Lab Sample ID: 160-56404-13
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	0.132	U	0.152	0.152	1.00	0.246	pCi/L	11/25/24 09:30	12/17/24 20:32	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*79.7*		*30 - 110*	*11/25/24 09:30*	*12/17/24 20:32*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.0349	U	0.325	0.325	1.00	0.624	pCi/L	11/25/24 09:34	12/16/24 12:06	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*79.7*		*30 - 110*	*11/25/24 09:34*	*12/16/24 12:06*	*1*
Y Carrier	*80.4*		*30 - 110*	*11/25/24 09:34*	*12/16/24 12:06*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.132	U	0.359	0.359	5.00	0.624	pCi/L		12/26/24 09:32	1

Client Sample ID: 24110015-016
Date Collected: 11/19/24 13:12
Date Received: 11/22/24 12:50

Lab Sample ID: 160-56404-14
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	0.0238	U	0.118	0.118	1.00	0.233	pCi/L	11/25/24 09:30	12/17/24 20:32	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.5*		*30 - 110*	*11/25/24 09:30*	*12/17/24 20:32*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.407	U	0.401	0.402	1.00	0.641	pCi/L	11/25/24 09:34	12/16/24 12:06	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.5*		*30 - 110*	*11/25/24 09:34*	*12/16/24 12:06*	*1*
Y Carrier	*76.6*		*30 - 110*	*11/25/24 09:34*	*12/16/24 12:06*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.431	U	0.418	0.419	5.00	0.641	pCi/L		12/26/24 09:32	1

Client Sample Results

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

Job ID: 160-56404-1
SDG: 24110015

Client Sample ID: 24110015-017

Date Collected: 11/19/24 12:30
Date Received: 11/22/24 12:50

Lab Sample ID: 160-56404-15

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	0.300		0.176	0.178	1.00	0.218	pCi/L	11/25/24 09:30	12/17/24 20:33	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*76.6*		*30 - 110*	*11/25/24 09:30*	*12/17/24 20:33*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.350	U	0.537	0.538	1.00	0.909	pCi/L	11/25/24 09:34	12/16/24 12:06	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*76.6*		*30 - 110*	*11/25/24 09:34*	*12/16/24 12:06*	*1*
Y Carrier	*68.8*		*30 - 110*	*11/25/24 09:34*	*12/16/24 12:06*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.650	U	0.565	0.567	5.00	0.909	pCi/L		12/26/24 09:32	1

Client Sample ID: 24110015-018

Date Collected: 11/18/24 13:49
Date Received: 11/22/24 12:50

Lab Sample ID: 160-56404-16

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	0.240		0.152	0.154	1.00	0.194	pCi/L	11/25/24 09:30	12/17/24 20:33	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.3*		*30 - 110*	*11/25/24 09:30*	*12/17/24 20:33*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.233	U	0.361	0.361	1.00	0.613	pCi/L	11/25/24 09:34	12/16/24 12:06	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.3*		*30 - 110*	*11/25/24 09:34*	*12/16/24 12:06*	*1*
Y Carrier	*74.8*		*30 - 110*	*11/25/24 09:34*	*12/16/24 12:06*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.473	U	0.392	0.392	5.00	0.613	pCi/L		12/26/24 09:32	1

Client Sample Results

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

Job ID: 160-56404-1
SDG: 24110015

Client Sample ID: 24110015-019

Lab Sample ID: 160-56404-17
Date Collected: 11/19/24 12:04
Matrix: Water
Date Received: 11/22/24 12:50

Method: EPA 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	U	0.208	0.209	1.00	0.329	pCi/L	11/25/24 09:30	12/17/24 20:33	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*66.5*		*30 - 110*	*11/25/24 09:30*	*12/17/24 20:33*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.351	U G	0.675	0.676	1.00	1.18	pCi/L	11/25/24 09:34	12/16/24 15:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*66.5*		*30 - 110*	*11/25/24 09:34*	*12/16/24 15:08*	*1*
Y Carrier	*86.7*		*30 - 110*	*11/25/24 09:34*	*12/16/24 15:08*	*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	0.542	U	0.706	0.708	5.00	1.18	pCi/L		12/26/24 09:32	1

Client Sample ID: 24110015-020

Lab Sample ID: 160-56404-18
Date Collected: 11/18/24 13:24
Matrix: Water
Date Received: 11/22/24 12:50

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0938	U	0.126	0.127	1.00	0.212	pCi/L	11/25/24 09:30	12/18/24 08:52	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.3*		*30 - 110*	*11/25/24 09:30*	*12/18/24 08:52*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.644	U G	0.665	0.668	1.00	1.08	pCi/L	11/25/24 09:34	12/16/24 15:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.3*		*30 - 110*	*11/25/24 09:34*	*12/16/24 15:08*	*1*
Y Carrier	*71.8*		*30 - 110*	*11/25/24 09:34*	*12/16/24 15:08*	*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	0.738	U	0.677	0.680	5.00	1.08	pCi/L		12/26/24 18:10	1

Client Sample Results

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

Job ID: 160-56404-1
SDG: 24110015

Client Sample ID: 24110015-021

Date Collected: 11/20/24 09:31
Date Received: 11/22/24 12:50

Lab Sample ID: 160-56404-19

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	0.471	U	0.342	0.345	1.00	0.491	pCi/L	11/25/24 09:30	12/18/24 08:52	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.2*		*30 - 110*	*11/25/24 09:30*	*12/18/24 08:52*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**1.76**	**G**	0.897	0.912	1.00	1.27	pCi/L	11/25/24 09:34	12/16/24 12:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.2*		*30 - 110*	*11/25/24 09:34*	*12/16/24 12:08*	*1*
Y Carrier	*84.9*		*30 - 110*	*11/25/24 09:34*	*12/16/24 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	**2.23**		0.960	0.975	5.00	1.27	pCi/L		12/26/24 18:10	1

Client Sample ID: 24110015-022

Date Collected: 11/20/24 10:23
Date Received: 11/22/24 12:50

Lab Sample ID: 160-56404-20

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	**0.223**		0.150	0.151	1.00	0.204	pCi/L	11/25/24 09:30	12/18/24 08:53	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.3*		*30 - 110*	*11/25/24 09:30*	*12/18/24 08:53*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.394	U	0.513	0.514	1.00	0.855	pCi/L	11/25/24 09:34	12/16/24 15:10	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.3*		*30 - 110*	*11/25/24 09:34*	*12/16/24 15:10*	*1*
Y Carrier	*82.6*		*30 - 110*	*11/25/24 09:34*	*12/16/24 15:10*	*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	0.617	U	0.534	0.536	5.00	0.855	pCi/L		12/26/24 18:10	1

Client Sample Results

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

Job ID: 160-56404-1
SDG: 24110015

Client Sample ID: 24110015-023
Date Collected: 11/20/24 09:53
Date Received: 11/22/24 12:50

Lab Sample ID: 160-56404-21
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	0.195	U	0.175	0.176	1.00	0.269	pCi/L	11/25/24 09:30	12/18/24 08:53	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*73.1*		*30 - 110*	*11/25/24 09:30*	*12/18/24 08:53*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.480**		0.321	0.324	1.00	0.471	pCi/L	12/19/24 08:28	12/26/24 12:15	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.7*		*30 - 110*	*12/19/24 08:28*	*12/26/24 12:15*	*1*
Y Carrier	*84.9*		*30 - 110*	*12/19/24 08:28*	*12/26/24 12:15*	*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	**0.675**		0.366	0.369	5.00	0.471	pCi/L		12/26/24 18:10	1

Client Sample ID: 24110015-024
Date Collected: 11/19/24 10:08
Date Received: 11/22/24 12:50

Lab Sample ID: 160-56404-22
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	0.0552	U	0.165	0.165	1.00	0.299	pCi/L	11/25/24 09:30	12/18/24 08:53	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.2*		*30 - 110*	*11/25/24 09:30*	*12/18/24 08:53*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.469	U	0.341	0.344	1.00	0.520	pCi/L	12/19/24 08:28	12/26/24 12:15	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.9*		*30 - 110*	*12/19/24 08:28*	*12/26/24 12:15*	*1*
Y Carrier	*84.1*		*30 - 110*	*12/19/24 08:28*	*12/26/24 12:15*	*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	**0.524**		0.379	0.382	5.00	0.520	pCi/L		12/26/24 18:10	1

Client Sample Results

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

Job ID: 160-56404-1
SDG: 24110015

Client Sample ID: 24110015-025
Date Collected: 11/19/24 09:44
Date Received: 11/22/24 12:50

Lab Sample ID: 160-56404-23
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	0.461		0.257	0.260	1.00	0.344	pCi/L	11/25/24 09:30	12/18/24 08:53	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*74.4*		*30 - 110*	*11/25/24 09:30*	*12/18/24 08:53*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.857	U G	1.22	1.22	1.00	2.05	pCi/L	11/25/24 09:34	12/16/24 18:55	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*74.4*		*30 - 110*	*11/25/24 09:34*	*12/16/24 18:55*	*1*
Y Carrier	*81.5*		*30 - 110*	*11/25/24 09:34*	*12/16/24 18:55*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.32	U	1.25	1.25	5.00	2.05	pCi/L		12/26/24 18:10	1

Client Sample ID: 24110015-026
Date Collected: 11/20/24 10:31
Date Received: 11/22/24 12:50

Lab Sample ID: 160-56404-24
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	0.0586	U	0.150	0.151	1.00	0.273	pCi/L	11/25/24 09:30	12/18/24 08:54	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*74.6*		*30 - 110*	*11/25/24 09:30*	*12/18/24 08:54*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.317	U	0.366	0.367	1.00	0.601	pCi/L	12/19/24 08:28	12/26/24 12:15	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.9*		*30 - 110*	*12/19/24 08:28*	*12/26/24 12:15*	*1*
Y Carrier	*84.9*		*30 - 110*	*12/19/24 08:28*	*12/26/24 12:15*	*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	0.375	U	0.396	0.397	5.00	0.601	pCi/L		12/26/24 18:10	1

Client Sample Results

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

Job ID: 160-56404-1
SDG: 24110015

Client Sample ID: 24110015-027

Lab Sample ID: 160-56404-25
Date Collected: 11/18/24 10:38
Matrix: Water
Date Received: 11/22/24 12:50

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0203	U	0.127	0.127	1.00	0.264	pCi/L	11/25/24 09:30	12/18/24 08:54	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*73.4*		*30 - 110*	*11/25/24 09:30*	*12/18/24 08:54*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.512	U	0.443	0.446	1.00	0.695	pCi/L	11/25/24 09:34	12/16/24 12:09	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*73.4*		*30 - 110*	*11/25/24 09:34*	*12/16/24 12:09*	*1*
Y Carrier	*79.3*		*30 - 110*	*11/25/24 09:34*	*12/16/24 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	0.512	U	0.461	0.464	5.00	0.695	pCi/L		12/26/24 18:10	1

Client Sample ID: 24110015-028

Lab Sample ID: 160-56404-26
Date Collected: 11/18/24 13:24
Matrix: Water
Date Received: 11/22/24 12:50

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0486	U	0.122	0.122	1.00	0.225	pCi/L	11/25/24 09:30	12/18/24 08:54	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.7*		*30 - 110*	*11/25/24 09:30*	*12/18/24 08:54*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.220	U	0.219	0.220	1.00	0.491	pCi/L	11/25/24 09:34	12/16/24 12:09	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.7*		*30 - 110*	*11/25/24 09:34*	*12/16/24 12:09*	*1*
Y Carrier	*95.3*		*30 - 110*	*11/25/24 09:34*	*12/16/24 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	0.0486	U	0.251	0.252	5.00	0.491	pCi/L		12/26/24 18:10	1

Client Sample Results

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

Job ID: 160-56404-1
SDG: 24110015

Client Sample ID: 24110015-029
Date Collected: 11/20/24 09:53
Date Received: 11/22/24 12:50

Lab Sample ID: 160-56404-27
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	**0.280**		0.172	0.174	1.00	0.234	pCi/L	11/25/24 09:30	12/18/24 08:54	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.7*		*30 - 110*	*11/25/24 09:30*	*12/18/24 08:54*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.460	U	0.369	0.372	1.00	0.571	pCi/L	11/25/24 09:34	12/16/24 12:09	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.7*		*30 - 110*	*11/25/24 09:34*	*12/16/24 12:09*	*1*
Y Carrier	*86.4*		*30 - 110*	*11/25/24 09:34*	*12/16/24 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	**0.740**		0.407	0.411	5.00	0.571	pCi/L		12/26/24 18:10	1

QC Sample Results

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

Job ID: 160-56404-1
SDG: 24110015

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-690421/1-A
Matrix: Water
Analysis Batch: 694195

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 690421

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.01276	U	0.0736	0.0736	1.00	0.147	pCi/L	11/25/24 09:24	12/17/24 08:54	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*71.1*		*30 - 110*	*11/25/24 09:24*	*12/17/24 08:54*	*1*

Lab Sample ID: LCS 160-690421/2-A
Matrix: Water
Analysis Batch: 694195

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 690421

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226	9.58	9.716		1.05	1.00	0.123	pCi/L	101	75 - 125

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*90.9*		*30 - 110*

Lab Sample ID: MB 160-690423/1-A
Matrix: Water
Analysis Batch: 694195

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 690423

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.1009	U	0.150	0.151	1.00	0.257	pCi/L	11/25/24 09:30	12/17/24 20:34	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.1*		*30 - 110*	*11/25/24 09:30*	*12/17/24 20:34*	*1*

Lab Sample ID: LCS 160-690423/2-A
Matrix: Water
Analysis Batch: 694195

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 690423

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226	9.58	8.204		1.03	1.00	0.220	pCi/L	86	75 - 125

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*89.1*		*30 - 110*

Lab Sample ID: 160-56404-27 DU
Matrix: Water
Analysis Batch: 694358

Client Sample ID: 24110015-029
Prep Type: Total/NA
Prep Batch: 690423

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Radium-226	0.280		0.5863		0.218	1.00	0.220	pCi/L	0.78	1

QC Sample Results

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

Job ID: 160-56404-1
SDG: 24110015

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

Lab Sample ID: 160-56404-27 DU
Matrix: Water
Analysis Batch: 694358

Client Sample ID: 24110015-029
Prep Type: Total/NA
Prep Batch: 690423

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	83.8		30 - 110

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-690422/1-A
Matrix: Water
Analysis Batch: 693093

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 690422

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.2614	U	0.461	0.461	1.00	0.939	pCi/L	11/25/24 09:29	12/11/24 12:55	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	71.1		30 - 110	11/25/24 09:29	12/11/24 12:55	1
Y Carrier	71.8		30 - 110	11/25/24 09:29	12/11/24 12:55	1

Lab Sample ID: LCS 160-690422/2-A
Matrix: Water
Analysis Batch: 693093

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 690422

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228	8.27	8.356		1.27	1.00	0.676	pCi/L	101	75 - 125

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	90.9		30 - 110
Y Carrier	78.1		30 - 110

Lab Sample ID: MB 160-690425/1-A
Matrix: Water
Analysis Batch: 693993

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 690425

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.3401	U	0.303	0.304	1.00	0.474	pCi/L	11/25/24 09:34	12/16/24 12:05	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	93.1		30 - 110	11/25/24 09:34	12/16/24 12:05	1
Y Carrier	85.2		30 - 110	11/25/24 09:34	12/16/24 12:05	1

Lab Sample ID: LCS 160-690425/2-A
Matrix: Water
Analysis Batch: 693993

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 690425

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228	8.26	7.545		1.14	1.00	0.576	pCi/L	91	75 - 125

QC Sample Results

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

Job ID: 160-56404-1
SDG: 24110015

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

Lab Sample ID: LCS 160-690425/2-A
Matrix: Water
Analysis Batch: 693993

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 690425

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	89.1		30 - 110
Y Carrier	80.0		30 - 110

Lab Sample ID: 160-56404-27 DU
Matrix: Water
Analysis Batch: 693927

Client Sample ID: 24110015-029
Prep Type: Total/NA
Prep Batch: 690425

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Radium-228	0.460	U	0.6966		0.383	1.00	0.537	pCi/L	0.31	1

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	83.8		30 - 110
Y Carrier	92.0		30 - 110

Lab Sample ID: MB 160-694543/1-A
Matrix: Water
Analysis Batch: 695352

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 694543

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.5759	U	0.389	0.393	1.00	0.581	pCi/L	12/19/24 08:28	12/26/24 12:15	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	84.1		30 - 110	12/19/24 08:28	12/26/24 12:15	1
Y Carrier	81.5		30 - 110	12/19/24 08:28	12/26/24 12:15	1

Lab Sample ID: LCS 160-694543/2-A
Matrix: Water
Analysis Batch: 695352

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 694543

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228	8.23	8.423		1.16	1.00	0.463	pCi/L	102	75 - 125

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	95.4		30 - 110
Y Carrier	87.9		30 - 110

QC Association Summary

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

Job ID: 160-56404-1
SDG: 24110015

Rad

Prep Batch: 690421

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-56404-1	24110015-001	Total/NA	Water	PrecSep-21	
160-56404-2	24110015-002	Total/NA	Water	PrecSep-21	
160-56404-3	24110015-003	Total/NA	Water	PrecSep-21	
160-56404-4	24110015-004	Total/NA	Water	PrecSep-21	
160-56404-5	24110015-005	Total/NA	Water	PrecSep-21	
160-56404-6	24110015-006	Total/NA	Water	PrecSep-21	
160-56404-7	24110015-007	Total/NA	Water	PrecSep-21	
MB 160-690421/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-690421/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 690422

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-56404-1	24110015-001	Total/NA	Water	PrecSep_0	
160-56404-2	24110015-002	Total/NA	Water	PrecSep_0	
160-56404-3	24110015-003	Total/NA	Water	PrecSep_0	
160-56404-4	24110015-004	Total/NA	Water	PrecSep_0	
160-56404-5	24110015-005	Total/NA	Water	PrecSep_0	
160-56404-6	24110015-006	Total/NA	Water	PrecSep_0	
160-56404-7	24110015-007	Total/NA	Water	PrecSep_0	
MB 160-690422/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-690422/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 690423

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-56404-8	24110015-008	Total/NA	Water	PrecSep-21	
160-56404-9	24110015-010	Total/NA	Water	PrecSep-21	
160-56404-10	24110015-011	Total/NA	Water	PrecSep-21	
160-56404-11	24110015-012	Total/NA	Water	PrecSep-21	
160-56404-12	24110015-013	Total/NA	Water	PrecSep-21	
160-56404-13	24110015-014	Total/NA	Water	PrecSep-21	
160-56404-14	24110015-016	Total/NA	Water	PrecSep-21	
160-56404-15	24110015-017	Total/NA	Water	PrecSep-21	
160-56404-16	24110015-018	Total/NA	Water	PrecSep-21	
160-56404-17	24110015-019	Total/NA	Water	PrecSep-21	
160-56404-18	24110015-020	Total/NA	Water	PrecSep-21	
160-56404-19	24110015-021	Total/NA	Water	PrecSep-21	
160-56404-20	24110015-022	Total/NA	Water	PrecSep-21	
160-56404-21	24110015-023	Total/NA	Water	PrecSep-21	
160-56404-22	24110015-024	Total/NA	Water	PrecSep-21	
160-56404-23	24110015-025	Total/NA	Water	PrecSep-21	
160-56404-24	24110015-026	Total/NA	Water	PrecSep-21	
160-56404-25	24110015-027	Total/NA	Water	PrecSep-21	
160-56404-26	24110015-028	Total/NA	Water	PrecSep-21	
160-56404-27	24110015-029	Total/NA	Water	PrecSep-21	
MB 160-690423/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-690423/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
160-56404-27 DU	24110015-029	Total/NA	Water	PrecSep-21	

Prep Batch: 690425

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-56404-8	24110015-008	Total/NA	Water	PrecSep_0	

QC Association Summary

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

Job ID: 160-56404-1
SDG: 24110015

Rad (Continued)

Prep Batch: 690425 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-56404-9	24110015-010	Total/NA	Water	PrecSep_0	
160-56404-10	24110015-011	Total/NA	Water	PrecSep_0	
160-56404-11	24110015-012	Total/NA	Water	PrecSep_0	
160-56404-12	24110015-013	Total/NA	Water	PrecSep_0	
160-56404-13	24110015-014	Total/NA	Water	PrecSep_0	
160-56404-14	24110015-016	Total/NA	Water	PrecSep_0	
160-56404-15	24110015-017	Total/NA	Water	PrecSep_0	
160-56404-16	24110015-018	Total/NA	Water	PrecSep_0	
160-56404-17	24110015-019	Total/NA	Water	PrecSep_0	
160-56404-18	24110015-020	Total/NA	Water	PrecSep_0	
160-56404-19	24110015-021	Total/NA	Water	PrecSep_0	
160-56404-20	24110015-022	Total/NA	Water	PrecSep_0	
160-56404-23	24110015-025	Total/NA	Water	PrecSep_0	
160-56404-25	24110015-027	Total/NA	Water	PrecSep_0	
160-56404-26	24110015-028	Total/NA	Water	PrecSep_0	
160-56404-27	24110015-029	Total/NA	Water	PrecSep_0	
MB 160-690425/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-690425/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
160-56404-27 DU	24110015-029	Total/NA	Water	PrecSep_0	

Prep Batch: 694543

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-56404-21	24110015-023	Total/NA	Water	PrecSep_0	
160-56404-22	24110015-024	Total/NA	Water	PrecSep_0	
160-56404-24	24110015-026	Total/NA	Water	PrecSep_0	
MB 160-694543/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-694543/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Tracer/Carrier Summary

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

Job ID: 160-56404-1
SDG: 24110015

Method: 903.0 - Radium-226 (GFPC)

Matrix: Water — **Prep Type: Total/NA**

		Percent Yield (Acceptance Limits)
		Ba
Lab Sample ID	Client Sample ID	(30-110)
160-56404-1	24110015-001	87.1
160-56404-2	24110015-002	81.7
160-56404-3	24110015-003	86.0
160-56404-4	24110015-004	86.8
160-56404-5	24110015-005	80.7
160-56404-6	24110015-006	79.2
160-56404-7	24110015-007	88.3
160-56404-8	24110015-008	85.8
160-56404-9	24110015-010	93.7
160-56404-10	24110015-011	82.0
160-56404-11	24110015-012	87.1
160-56404-12	24110015-013	84.0
160-56404-13	24110015-014	79.7
160-56404-14	24110015-016	80.5
160-56404-15	24110015-017	76.6
160-56404-16	24110015-018	88.3
160-56404-17	24110015-019	66.5
160-56404-18	24110015-020	84.3
160-56404-19	24110015-021	80.2
160-56404-20	24110015-022	86.3
160-56404-21	24110015-023	73.1
160-56404-22	24110015-024	82.2
160-56404-23	24110015-025	74.4
160-56404-24	24110015-026	74.6
160-56404-25	24110015-027	73.4
160-56404-26	24110015-028	82.7
160-56404-27	24110015-029	81.7
160-56404-27 DU	24110015-029	83.8
LCS 160-690421/2-A	Lab Control Sample	90.9
LCS 160-690423/2-A	Lab Control Sample	89.1
MB 160-690421/1-A	Method Blank	71.1
MB 160-690423/1-A	Method Blank	93.1

Tracer/Carrier Legend

Ba = Ba Carrier

Method: 904.0 - Radium-228 (GFPC)

Matrix: Water — **Prep Type: Total/NA**

		Percent Yield (Acceptance Limits)	
		Ba	Y
Lab Sample ID	Client Sample ID	(30-110)	(30-110)
160-56404-1	24110015-001	87.1	78.1
160-56404-2	24110015-002	81.7	78.5
160-56404-3	24110015-003	86.0	80.4
160-56404-4	24110015-004	86.8	78.1
160-56404-5	24110015-005	80.7	74.4
160-56404-6	24110015-006	79.2	72.9
160-56404-7	24110015-007	88.3	79.6
160-56404-8	24110015-008	85.8	89.3

Tracer/Carrier Summary

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

Job ID: 160-56404-1
SDG: 24110015

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

Matrix: Water **Prep Type: Total/NA**

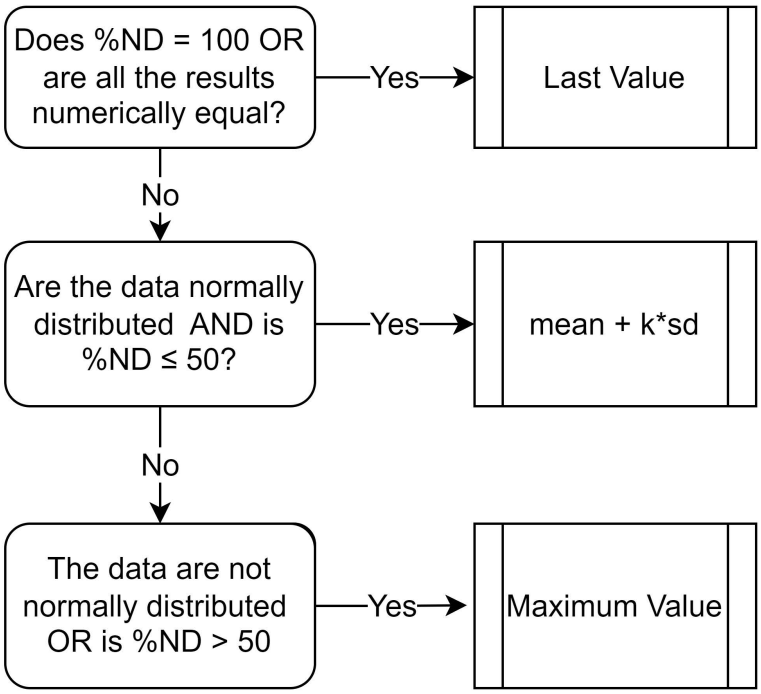
		Percent Yield (Acceptance Limits)	
Lab Sample ID	Client Sample ID	Ba (30-110)	Y (30-110)
160-56404-9	24110015-010	93.7	81.9
160-56404-10	24110015-011	82.0	80.4
160-56404-11	24110015-012	87.1	85.2
160-56404-12	24110015-013	84.0	83.0
160-56404-13	24110015-014	79.7	80.4
160-56404-14	24110015-016	80.5	76.6
160-56404-15	24110015-017	76.6	68.8
160-56404-16	24110015-018	88.3	74.8
160-56404-17	24110015-019	66.5	86.7
160-56404-18	24110015-020	84.3	71.8
160-56404-19	24110015-021	80.2	84.9
160-56404-20	24110015-022	86.3	82.6
160-56404-21	24110015-023	89.7	84.9
160-56404-22	24110015-024	95.9	84.1
160-56404-23	24110015-025	74.4	81.5
160-56404-24	24110015-026	87.9	84.9
160-56404-25	24110015-027	73.4	79.3
160-56404-26	24110015-028	82.7	95.3
160-56404-27	24110015-029	81.7	86.4
160-56404-27 DU	24110015-029	83.8	92.0
LCS 160-690422/2-A	Lab Control Sample	90.9	78.1
LCS 160-690425/2-A	Lab Control Sample	89.1	80.0
LCS 160-694543/2-A	Lab Control Sample	95.4	87.9
MB 160-690422/1-A	Method Blank	71.1	71.8
MB 160-690425/1-A	Method Blank	93.1	85.2
MB 160-694543/1-A	Method Blank	84.1	81.5

Tracer/Carrier Legend

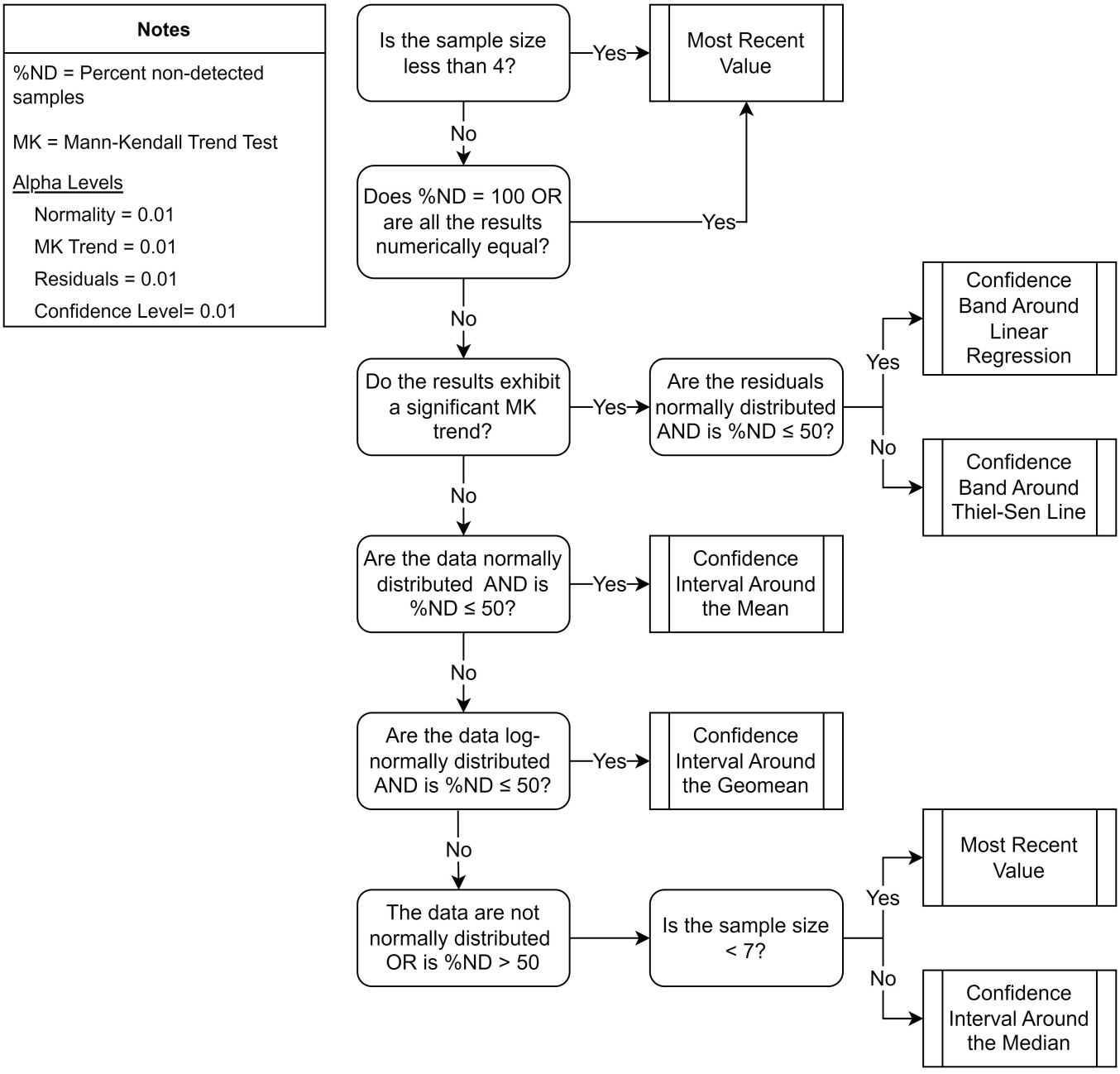
Ba = Ba Carrier
Y = Y Carrier

APPENDIX B
STATISTICAL METHODOLOGY FOR DETERMINATION OF BACKGROUND VALUES

Notes
%ND = Percent non-detected samples sd = standard deviation k = kappa for tolerance limit (95% confidence/95% coverage)



APPENDIX C
STATISTICAL METHODOLGY FOR DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS


Notes
%ND = Percent non-detected samples
MK = Mann-Kendall Trend Test
Alpha Levels
Normality = 0.01
MK Trend = 0.01
Residuals = 0.01
Confidence Level= 0.01
Is the sample size less than 4?
Yes
Most Recent Value
No
Does %ND = 100 OR are all the results numerically equal?
Yes
No
Do the results exhibit a significant MK trend?
Yes
Are the residuals normally distributed AND is %ND ≤ 50?
Yes
Confidence Band Around Linear Regression
No
Confidence Band Around Thiel-Sen Line
No
Are the data normally distributed AND is %ND ≤ 50?
Yes
Confidence Interval Around the Mean
No
Are the data log-normally distributed AND is %ND ≤ 50?
Yes
Confidence Interval Around the Geomean
No
The data are not normally distributed OR is %ND > 50
Is the sample size < 7?
Yes
Most Recent Value
No
Confidence Interval Around the Median