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**Kincaid Generation, LLC**

Date  
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Project No.  
**1940103649-012**

**2023 40 C.F.R. § 257 ANNUAL  
GROUNDWATER MONITORING AND  
CORRECTIVE ACTION REPORT  
ASH POND  
KINCAID POWER PLANT  
KINCAID, ILLINOIS  
CCR UNIT 141**

**2023 40 C.F.R. § 257 ANNUAL GROUNDWATER  
MONITORING AND CORRECTIVE ACTION REPORT  
KINCAID POWER PLANT ASH POND**

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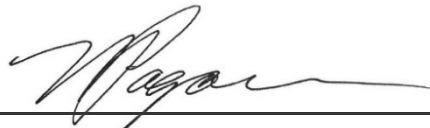
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## ACRONYMS AND ABBREVIATIONS

35 I.A.C.	Title 35 of the Illinois Administrative Code
40 C.F.R.	Title 40 of the Code of Federal Regulations
A6	Quarter 1, 2023 sampling event
A6R	Quarter 2, 2023 resampling event
A6D	Quarter 3, 2023 sampling event
A6DR	Quarter 4, 2023 resampling event
AP	Ash Pond
ASD	Alternative Source Demonstration
CCR	coal combustion residuals
CMA	Corrective Measures Assessment
GWPS	groundwater protection standard
IEPA	Illinois Environmental Protection Agency
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
TBD	to be determined

## EXECUTIVE SUMMARY

This report has been prepared to provide the information required by Title 40 of the Code of Federal Regulations (40 C.F.R.) § 257.90(e) for the 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.

As discussed in **Section 3** of this annual report, the monitoring system was updated in 2023 to use the same monitoring system developed for compliance with Title 35 of the Illinois Administrative Code (35 I.A.C.) § 845, which was submitted to the Illinois Environmental Protection Agency (IEPA) via an operating permit application.

The following statistically significant levels (SSLs) of 40 C.F.R. § 257 Appendix IV parameters above groundwater protection standards (GWPSs) were reported in 2023:

- Arsenic at well PZ-4C
- Lead at well PZ-4C

An Alternative Source Demonstration (ASD) was completed in 2023 for the arsenic and lead SSLs referenced above. Following evaluation of analytical data from the resample event, the arsenic and lead SSLs observed at well PZ-4C were not confirmed.

Since no SSLs of 40 C.F.R. § 257 Appendix IV parameters over groundwater protection standards (GWPSs) were determined in 2023, 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 3**).
5. Other information required to be included in the annual report as specified in §§ 257.90 through 257.98.
6. A section at the beginning of the annual report that provides an overview of the current status of groundwater monitoring and corrective action programs for the CCR unit (see **Executive Summary**). At a minimum, the summary must specify all of the following:
  - i. At the start of the current annual reporting period, whether the CCR unit was operating under the detection monitoring program in §257.94 or the assessment monitoring program in §257.95.
  - ii. At the end of the current annual reporting period, whether the CCR unit was operating under the detection monitoring program in §257.94 or the assessment monitoring program in §257.95.
  - iii. If it was determined that there was a statistically significant increase over background for one or more constituents listed in Appendix III of §257 pursuant to §257.94(e):
    - A. Identify those constituents listed in Appendix III of §257 and the names of the monitoring wells associated with such an increase.

- B. Provide the date when the assessment monitoring program was initiated for the CCR unit.
- iv. If it was determined that there was a statistically significant level above the groundwater protection standard [GWPS] for one or more constituents listed in Appendix IV of §257 pursuant to §257.95(g) include all of the following:
  - A. Identify those constituents listed in Appendix IV of §257 and the names of the monitoring wells associated with such an increase.
  - B. Provide the date when the assessment of corrective measures was initiated for the CCR unit.
  - C. Provide the date when the public meeting was held for the assessment of corrective measures for the CCR unit.
  - D. Provide the date when the assessment of corrective measures was completed for the CCR unit.
- v. Whether a remedy was selected pursuant to §257.97 during the current annual reporting period, and if so, the date of remedy selection.
- vi. Whether remedial activities were initiated or are ongoing pursuant to § 257.98 during the current annual reporting period.

This report provides the required information for the AP for calendar year 2023.

## **2. MONITORING AND CORRECTIVE ACTION PROGRAM STATUS**

No changes have occurred to the monitoring program status in calendar year 2023 and the AP remains in the Assessment Monitoring Program in accordance with 40 C.F.R. § 257.95.



### 3. KEY ACTIONS COMPLETED IN 2023

A summary of the samples collected from background and compliance monitoring wells in 2023 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**. Beginning in 2023, the monitoring system was updated to be consistent with that proposed for compliance with 35 I.A.C. § 845, which includes all of the monitoring wells used in the 2022 40 C.F.R. § 257 monitoring system (Ramboll, 2022a). No wells were installed or decommissioned in 2023 (the wells added from the 35 I.A.C. § 845 monitoring system were installed prior to 2023).

One groundwater sample was collected from each background and compliance well during each monitoring event<sup>1</sup>. The AP is also regulated under 35 I.A.C. § 845, which requires quarterly monitoring. The groundwater monitoring systems for both programs (35 I.A.C. § 845 and 40 C.F.R. § 257) are identical, so all available data from the four quarterly monitoring events in 2023 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. § 257.95(d)(1); however, SSLs are reported semiannually per 40 C.F.R. § 257.

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 2023 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 GWPSs in **Table 5**. A flow chart showing the statistical methodology for determination of background values is included as **Appendix B**. 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**.

Potential alternate sources were evaluated as outlined in the 40 C.F.R. § 257.94(e)(2). An ASD was completed in 2023 for the arsenic and lead SSLs summarized in **Table A**. The date the ASD was completed is also provided in **Table A**. The ASD was certified by a qualified professional engineer and is included in **Appendix D**. Following evaluation of analytical data from the resample event, the arsenic and lead SSLs were not confirmed. The AP remains in the Assessment Monitoring Program.

<sup>1</sup> Compliance monitoring wells MW-27 and MW-31S were indicated as having insufficient water to sample during the June 2023 sampling event. Compliance monitoring wells MW-8S and MW-27 were indicated as having insufficient water to sample during the September 2023 sampling event. Compliance monitoring wells MW-7S, MW-8S, MW-09, and MW-27 were indicated as having insufficient water to sample during the November 2023 sampling event.

**Table A. 2023 Assessment Monitoring Program Summary**

Event ID	Sampling Dates <sup>1, 2, 3</sup>	Analytical Data Receipt Date <sup>4</sup>	SSL(s) Determination Date	SSL(s)	ASD Completion Date
A6	January 30 - February 1, 2023	February 22, 2023	May 23, 2023	Arsenic at PZ-4C; lead at PZ-4C <sup>5</sup>	August 21, 2023
A6R	June 12 - 13, 2023	July 17, 2023	NA	Arsenic and lead at PZ-4C not confirmed by resample <sup>5</sup>	NA
A6D	September 5 - 7, 2023	October 13, 2023	January 11, 2024	None	TBD
A6DR	November 27, 2023	January 3, 2024	NA	NA	NA

**Notes:**

ASD: Alternative Source Demonstration

NA: not applicable

SSL: Statistically Significant Level

TBD: to be determined in 2024

<sup>1</sup> 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).

<sup>2</sup> The following background wells were sampled for each event: MW-1 and MW-2

<sup>3</sup> The following compliance wells were sampled for each event: MW-3, MW-5, MW-6, MW-7, 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

<sup>4</sup> 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.

<sup>5</sup> If an event includes a resample, a statistically significant increase (SSI) is confirmed only if both the sample and the resample exceed the background value.

## **4. PROBLEMS ENCOUNTERED AND ACTIONS TO RESOLVE THE PROBLEMS**

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

## 5. KEY ACTIVITIES PLANNED FOR 2024

The following key activities are planned for 2024:

- Continuation of the Assessment Monitoring Program with semiannual sampling for reporting purposes scheduled for the first and third quarters of 2024 (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 2024 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 2024 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**  
2023 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	01/30/2023	24.20	580.51
MW-1	Background	UA	04/12/2023	15.06	589.65
MW-1	Background	UA	05/12/2023	14.65	590.06
MW-1	Background	UA	06/12/2023	15.57	589.14
MW-1	Background	UA	07/05/2023	15.52	589.19
MW-1	Background	UA	08/05/2023	16.17	588.54
MW-1	Background	UA	09/05/2023	16.39	588.32
MW-1	Background	UA	10/23/2023	16.56	588.15
MW-1	Background	UA	11/27/2023	17.14	587.57
MW-1	Background	UA	12/14/2023	16.89	587.82
MW-2	Background	UA	01/30/2023	7.98	593.12
MW-2	Background	UA	06/12/2023	7.37	593.73
MW-2	Background	UA	08/05/2023	8.69	592.41
MW-2	Background	UA	09/05/2023	8.60	592.50
MW-2	Background	UA	10/23/2023	8.71	592.39
MW-2	Background	UA	11/27/2023	8.90	592.20
MW-2	Background	UA	12/14/2023	7.69	593.41
MW-3	Compliance	UA	01/30/2023	8.85	592.61
MW-3	Compliance	UA	04/12/2023	8.60	592.86
MW-3	Compliance	UA	05/12/2023	8.55	592.91
MW-3	Compliance	UA	06/12/2023	8.84	592.62
MW-3	Compliance	UA	07/05/2023	8.78	592.68
MW-3	Compliance	UA	08/05/2023	9.31	592.15
MW-3	Compliance	UA	09/05/2023	9.05	592.41
MW-3	Compliance	UA	10/23/2023	8.64	592.82
MW-3	Compliance	UA	11/27/2023	8.62	592.84
MW-3	Compliance	UA	12/14/2023	8.65	592.81
MW-5	Compliance	UA	01/30/2023	25.50	593.94
MW-5	Compliance	UA	06/12/2023	26.82	592.62
MW-5	Compliance	UA	08/05/2023	28.15	591.29
MW-5	Compliance	UA	09/05/2023	28.70	590.74
MW-5	Compliance	UA	10/23/2023	28.98	590.46
MW-5	Compliance	UA	11/27/2023	28.57	590.87
MW-5	Compliance	UA	12/14/2023	28.19	591.25
MW-6	Compliance	UA	01/30/2023	8.13	592.33
MW-6	Compliance	UA	06/12/2023	10.19	590.27
MW-6	Compliance	UA	08/05/2023	11.49	588.97
MW-6	Compliance	UA	09/05/2023	11.96	588.50
MW-6	Compliance	UA	10/23/2023	12.15	588.31
MW-6	Compliance	UA	11/27/2023	12.27	588.19
MW-6	Compliance	UA	12/14/2023	12.16	588.30
MW-7	Compliance	UA	01/30/2023	8.31	589.44
MW-7	Compliance	UA	04/12/2023	8.76	588.98
MW-7	Compliance	UA	05/12/2023	8.53	589.21
MW-7	Compliance	UA	06/12/2023	9.45	588.30
MW-7	Compliance	UA	07/05/2023	9.76	587.98

**TABLE 1**  
**GROUNDWATER ELEVATION DATA**  
 2023 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-7	Compliance	UA	08/05/2023	10.02	587.73
MW-7	Compliance	UA	09/05/2023	10.31	587.44
MW-7	Compliance	UA	10/23/2023	9.64	588.11
MW-7	Compliance	UA	11/27/2023	9.53	588.22
MW-7	Compliance	UA	12/14/2023	9.56	588.19
MW-7S	Compliance	USCU	01/30/2023	10.22	587.42
MW-7S	Compliance	USCU	06/12/2023	Dry	Dry
MW-7S	Compliance	USCU	09/05/2023	10.36	587.28
MW-7S	Compliance	USCU	10/23/2023	9.20	588.44
MW-7S	Compliance	USCU	11/27/2023	Dry	Dry
MW-7S	Compliance	USCU	12/14/2023	10.45	587.19
MW-8	Compliance	UA	01/30/2023	8.00	595.14
MW-8	Compliance	UA	04/12/2023	8.92	594.21
MW-8	Compliance	UA	05/12/2023	8.39	594.74
MW-8	Compliance	UA	06/12/2023	9.75	593.39
MW-8	Compliance	UA	07/05/2023	9.11	594.03
MW-8	Compliance	UA	08/05/2023	9.75	593.38
MW-8	Compliance	UA	09/05/2023	9.78	593.36
MW-8	Compliance	UA	10/23/2023	9.70	593.44
MW-8	Compliance	UA	11/27/2023	9.67	593.47
MW-8	Compliance	UA	12/14/2023	9.30	593.84
MW-8S	Compliance	USCU	01/30/2023	8.50	594.80
MW-8S	Compliance	USCU	06/12/2023	Dry	Dry
MW-8S	Compliance	USCU	09/05/2023	Dry	Dry
MW-8S	Compliance	USCU	11/27/2023	Dry	Dry
MW-8S	Compliance	USCU	12/14/2023	9.46	593.84
MW-11	Compliance	UA	01/30/2023	16.28	585.53
MW-11	Compliance	UA	04/12/2023	12.04	589.77
MW-11	Compliance	UA	05/12/2023	11.99	589.81
MW-11	Compliance	UA	06/12/2023	11.73	590.08
MW-11	Compliance	UA	07/05/2023	11.87	589.93
MW-11	Compliance	UA	08/05/2023	11.69	590.11
MW-11	Compliance	UA	09/05/2023	11.79	590.02
MW-11	Compliance	UA	10/23/2023	11.79	590.02
MW-11	Compliance	UA	11/27/2023	11.74	590.07
MW-11	Compliance	UA	12/14/2023	11.79	590.02
MW-12	Compliance	UA	01/30/2023	6.12	585.28
MW-12	Compliance	UA	06/12/2023	6.99	584.41
MW-12	Compliance	UA	08/05/2023	7.13	584.26
MW-12	Compliance	UA	09/05/2023	7.46	583.94
MW-12	Compliance	UA	10/23/2023	7.96	583.44
MW-12	Compliance	UA	11/27/2023	7.22	584.18
MW-12	Compliance	UA	12/14/2023	8.18	583.22
MW-20	Compliance	UA	01/30/2023	5.63	595.14
MW-20	Compliance	UA	04/12/2023	5.85	594.92
MW-20	Compliance	UA	05/12/2023	5.66	595.10



**TABLE 1**  
**GROUNDWATER ELEVATION DATA**  
 2023 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-20	Compliance	UA	06/12/2023	6.40	594.37
MW-20	Compliance	UA	07/05/2023	6.90	593.86
MW-20	Compliance	UA	08/05/2023	8.50	592.26
MW-20	Compliance	UA	09/05/2023	9.72	591.05
MW-20	Compliance	UA	10/23/2023	8.96	591.81
MW-20	Compliance	UA	11/27/2023	8.20	592.57
MW-20	Compliance	UA	12/14/2023	7.06	593.71
MW-20S	Compliance	USCU	01/30/2023	5.72	594.92
MW-20S	Compliance	USCU	04/12/2023	8.68	591.95
MW-20S	Compliance	USCU	05/12/2023	8.33	592.30
MW-20S	Compliance	USCU	06/12/2023	6.38	594.26
MW-20S	Compliance	USCU	07/05/2023	9.13	591.51
MW-20S	Compliance	USCU	08/05/2023	10.67	589.97
MW-20S	Compliance	USCU	09/05/2023	11.64	589.00
MW-20S	Compliance	USCU	10/23/2023	8.80	591.84
MW-20S	Compliance	USCU	11/27/2023	7.92	592.72
MW-20S	Compliance	USCU	12/14/2023	6.97	593.67
MW-23	Compliance	UA	01/30/2023	16.27	594.05
MW-23	Compliance	UA	04/12/2023	16.18	594.14
MW-23	Compliance	UA	05/12/2023	16.28	594.04
MW-23	Compliance	UA	06/12/2023	16.67	593.65
MW-23	Compliance	UA	07/05/2023	16.37	593.95
MW-23	Compliance	UA	08/05/2023	16.37	593.95
MW-23	Compliance	UA	09/05/2023	16.67	593.65
MW-23	Compliance	UA	10/23/2023	16.48	593.84
MW-23	Compliance	UA	11/27/2023	16.61	593.71
MW-23	Compliance	UA	12/14/2023	16.52	593.80
MW-27	Compliance	USCU	01/30/2023	13.31	586.74
MW-27	Compliance	USCU	04/12/2023	10.66	589.39
MW-27	Compliance	USCU	05/12/2023	10.72	589.32
MW-27	Compliance	USCU	06/12/2023	14.45	585.60
MW-27	Compliance	USCU	07/05/2023	15.25	584.80
MW-27	Compliance	USCU	08/05/2023	16.44	583.60
MW-27	Compliance	USCU	09/05/2023	Dry	Dry
MW-27	Compliance	USCU	10/23/2023	17.14	582.91
MW-27	Compliance	USCU	11/27/2023	Dry	Dry
MW-27	Compliance	USCU	12/14/2023	16.54	583.51
MW-28	Compliance	UA	01/30/2023	6.00	595.40
MW-28	Compliance	UA	04/12/2023	6.35	595.05
MW-28	Compliance	UA	05/12/2023	6.14	595.25
MW-28	Compliance	UA	06/12/2023	7.42	593.98
MW-28	Compliance	UA	07/05/2023	7.83	593.57
MW-28	Compliance	UA	08/05/2023	8.05	593.34
MW-28	Compliance	UA	09/05/2023	8.17	593.23
MW-28	Compliance	UA	10/23/2023	8.19	593.21
MW-28	Compliance	UA	11/27/2023	8.15	593.25

**TABLE 1**  
**GROUNDWATER ELEVATION DATA**  
 2023 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	12/14/2023	7.82	593.58
MW-30	Compliance	UA	01/30/2023	24.04	594.43
MW-30	Compliance	UA	04/12/2023	24.13	594.34
MW-30	Compliance	UA	05/12/2023	23.87	594.60
MW-30	Compliance	UA	06/12/2023	25.20	593.27
MW-30	Compliance	UA	07/05/2023	24.77	593.70
MW-30	Compliance	UA	08/05/2023	24.86	593.61
MW-30	Compliance	UA	09/05/2023	25.45	593.02
MW-30	Compliance	UA	10/23/2023	25.54	592.93
MW-30	Compliance	UA	11/27/2023	25.50	592.97
MW-30	Compliance	UA	12/14/2023	25.43	593.04
MW-31	Compliance	UA	01/30/2023	29.55	587.79
MW-31	Compliance	UA	04/12/2023	29.65	587.69
MW-31	Compliance	UA	05/12/2023	29.33	588.01
MW-31	Compliance	UA	06/12/2023	31.22	586.12
MW-31	Compliance	UA	07/05/2023	30.71	586.63
MW-31	Compliance	UA	09/05/2023	32.72	584.62
MW-31	Compliance	UA	10/23/2023	33.10	584.24
MW-31	Compliance	UA	11/27/2023	33.20	584.14
MW-31	Compliance	UA	12/14/2023	32.60	584.74
MW-31S	Compliance	USCU	01/30/2023	18.62	598.92
MW-31S	Compliance	USCU	04/12/2023	29.30	588.23
MW-31S	Compliance	USCU	05/12/2023	25.87	591.67
MW-31S	Compliance	USCU	06/12/2023	23.83	593.71
MW-31S	Compliance	USCU	07/05/2023	26.05	591.48
MW-31S	Compliance	USCU	08/05/2023	23.01	594.53
MW-31S	Compliance	USCU	09/05/2023	21.54	596.00
MW-31S	Compliance	USCU	10/23/2023	22.19	595.35
MW-31S	Compliance	USCU	11/27/2023	20.31	597.23
MW-31S	Compliance	USCU	12/14/2023	23.88	593.66
MW-32	Compliance	UA	01/30/2023	22.73	596.76
MW-32	Compliance	UA	06/12/2023	28.75	590.74
MW-32	Compliance	UA	08/05/2023	25.05	594.44
MW-32	Compliance	UA	09/05/2023	25.44	594.05
MW-32	Compliance	UA	10/23/2023	25.31	594.18
MW-32	Compliance	UA	11/27/2023	25.50	593.99
MW-32	Compliance	UA	12/14/2023	24.72	594.77
PZ-4C	Compliance	UA	01/30/2023	6.60	593.97
PZ-4C	Compliance	UA	04/12/2023	7.02	593.55
PZ-4C	Compliance	UA	05/12/2023	6.86	593.71
PZ-4C	Compliance	UA	06/12/2023	7.15	593.42
PZ-4C	Compliance	UA	07/05/2023	7.21	593.36
PZ-4C	Compliance	UA	08/05/2023	8.24	592.33
PZ-4C	Compliance	UA	09/05/2023	8.79	591.78
PZ-4C	Compliance	UA	10/23/2023	8.03	592.54
PZ-4C	Compliance	UA	11/27/2023	7.56	593.01

**TABLE 1**  
**GROUNDWATER ELEVATION DATA**  
 2023 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)
PZ-4C	Compliance	UA	12/14/2023	7.40	593.17
XSG-01	Water Level	CCR	01/30/2023	12.00	596.43
XSG-01	Water Level	CCR	06/12/2023	3.33	605.10
XSG-01	Water Level	CCR	09/05/2023	2.78	605.65
XSG-01	Water Level	CCR	10/23/2023	5.56	602.87
XSG-01	Water Level	CCR	11/27/2023	5.52	602.91
XSG-01	Water Level	CCR	12/14/2023	5.22	603.21
SG-02	Water Level	SW	01/30/2023	-20.38	585.18
SG-02	Water Level	SW	04/12/2023	-20.39	585.19
SG-02	Water Level	SW	05/12/2023	-21.25	586.05
SG-02	Water Level	SW	06/12/2023	-20.21	585.01
SG-02	Water Level	SW	07/05/2023	-20.25	585.05
SG-02	Water Level	SW	08/05/2023	-19.57	584.37
SG-02	Water Level	SW	09/05/2023	-19.25	584.05
SG-02	Water Level	SW	10/23/2023	-18.48	583.28
SG-02	Water Level	SW	11/27/2023	-18.28	583.08
SG-02	Water Level	SW	12/14/2023	-18.33	583.13

**Notes:**  
 Only wells with groundwater elevations measured are included.  
 BMP = below measuring point  
 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**  
2023 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	Background	SSI Type
MW-1	UA	Background	01/30/2023	A6	Boron, total	mg/L	0.200	NA	NA
MW-1	UA	Background	06/12/2023	A6R	Boron, total	mg/L	0.208	NA	NA
MW-1	UA	Background	09/05/2023	A6D	Boron, total	mg/L	0.270	NA	NA
MW-1	UA	Background	11/27/2023	A6DR	Boron, total	mg/L	0.293	NA	NA
MW-1	UA	Background	01/30/2023	A6	Calcium, total	mg/L	58.0	NA	NA
MW-1	UA	Background	06/12/2023	A6R	Calcium, total	mg/L	51.4	NA	NA
MW-1	UA	Background	09/05/2023	A6D	Calcium, total	mg/L	54.3	NA	NA
MW-1	UA	Background	11/27/2023	A6DR	Calcium, total	mg/L	58.2	NA	NA
MW-1	UA	Background	01/30/2023	A6	Chloride, total	mg/L	13.0	NA	NA
MW-1	UA	Background	06/12/2023	A6R	Chloride, total	mg/L	15.0	NA	NA
MW-1	UA	Background	09/05/2023	A6D	Chloride, total	mg/L	13.0	NA	NA
MW-1	UA	Background	11/27/2023	A6DR	Chloride, total	mg/L	14.0	NA	NA
MW-1	UA	Background	01/30/2023	A6	Fluoride, total	mg/L	0.190	NA	NA
MW-1	UA	Background	06/12/2023	A6R	Fluoride, total	mg/L	0.200	NA	NA
MW-1	UA	Background	09/05/2023	A6D	Fluoride, total	mg/L	0.260	NA	NA
MW-1	UA	Background	11/27/2023	A6DR	Fluoride, total	mg/L	0.200	NA	NA
MW-1	UA	Background	01/30/2023	A6	pH (field)	SU	6.5	NA	NA
MW-1	UA	Background	06/12/2023	A6R	pH (field)	SU	6.1	NA	NA
MW-1	UA	Background	09/05/2023	A6D	pH (field)	SU	6.4	NA	NA
MW-1	UA	Background	11/27/2023	A6DR	pH (field)	SU	6.4	NA	NA
MW-1	UA	Background	01/30/2023	A6	Sulfate, total	mg/L	89.0	NA	NA
MW-1	UA	Background	06/12/2023	A6R	Sulfate, total	mg/L	83.0	NA	NA
MW-1	UA	Background	09/05/2023	A6D	Sulfate, total	mg/L	80.0	NA	NA
MW-1	UA	Background	11/27/2023	A6DR	Sulfate, total	mg/L	92.0	NA	NA
MW-1	UA	Background	01/30/2023	A6	Total Dissolved Solids	mg/L	300	NA	NA
MW-1	UA	Background	06/12/2023	A6R	Total Dissolved Solids	mg/L	306	NA	NA
MW-1	UA	Background	09/05/2023	A6D	Total Dissolved Solids	mg/L	352	NA	NA
MW-1	UA	Background	11/27/2023	A6DR	Total Dissolved Solids	mg/L	324	NA	NA
MW-2	UA	Background	01/31/2023	A6	Boron, total	mg/L	0.0751	NA	NA
MW-2	UA	Background	06/12/2023	A6R	Boron, total	mg/L	0.0474	NA	NA
MW-2	UA	Background	09/05/2023	A6D	Boron, total	mg/L	0.0630	NA	NA
MW-2	UA	Background	11/27/2023	A6DR	Boron, total	mg/L	0.0745 J+	NA	NA
MW-2	UA	Background	01/31/2023	A6	Calcium, total	mg/L	291	NA	NA
MW-2	UA	Background	06/12/2023	A6R	Calcium, total	mg/L	225	NA	NA
MW-2	UA	Background	09/05/2023	A6D	Calcium, total	mg/L	104	NA	NA
MW-2	UA	Background	11/27/2023	A6DR	Calcium, total	mg/L	95.0	NA	NA
MW-2	UA	Background	01/31/2023	A6	Chloride, total	mg/L	19.0	NA	NA
MW-2	UA	Background	06/12/2023	A6R	Chloride, total	mg/L	16.0	NA	NA
MW-2	UA	Background	09/05/2023	A6D	Chloride, total	mg/L	14.0	NA	NA
MW-2	UA	Background	11/27/2023	A6DR	Chloride, total	mg/L	15.0	NA	NA
MW-2	UA	Background	01/31/2023	A6	Fluoride, total	mg/L	0.440	NA	NA
MW-2	UA	Background	06/12/2023	A6R	Fluoride, total	mg/L	0.480	NA	NA
MW-2	UA	Background	09/05/2023	A6D	Fluoride, total	mg/L	0.510	NA	NA
MW-2	UA	Background	11/27/2023	A6DR	Fluoride, total	mg/L	0.450	NA	NA
MW-2	UA	Background	01/31/2023	A6	pH (field)	SU	7.0	NA	NA
MW-2	UA	Background	06/12/2023	A6R	pH (field)	SU	7.0	NA	NA

**TABLE 2**  
**ANALYTICAL RESULTS - APPENDIX III PARAMETERS**  
2023 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	Background	SSI Type
MW-2	UA	Background	09/05/2023	A6D	pH (field)	SU	6.8	NA	NA
MW-2	UA	Background	11/27/2023	A6DR	pH (field)	SU	7.0	NA	NA
MW-2	UA	Background	01/31/2023	A6	Sulfate, total	mg/L	153	NA	NA
MW-2	UA	Background	06/12/2023	A6R	Sulfate, total	mg/L	149	NA	NA
MW-2	UA	Background	09/05/2023	A6D	Sulfate, total	mg/L	130	NA	NA
MW-2	UA	Background	11/27/2023	A6DR	Sulfate, total	mg/L	140	NA	NA
MW-2	UA	Background	01/31/2023	A6	Total Dissolved Solids	mg/L	470	NA	NA
MW-2	UA	Background	06/12/2023	A6R	Total Dissolved Solids	mg/L	535	NA	NA
MW-2	UA	Background	09/05/2023	A6D	Total Dissolved Solids	mg/L	495	NA	NA
MW-2	UA	Background	11/27/2023	A6DR	Total Dissolved Solids	mg/L	485	NA	NA
MW-3	UA	Compliance	01/31/2023	A6	Boron, total	mg/L	1.64	0.273	Determined
MW-3	UA	Compliance	06/13/2023	A6R	Boron, total	mg/L	1.51	0.273	Determined
MW-3	UA	Compliance	09/05/2023	A6D	Boron, total	mg/L	1.71	0.273	Determined
MW-3	UA	Compliance	11/28/2023	A6DR	Boron, total	mg/L	1.68	0.273	Determined
MW-3	UA	Compliance	01/31/2023	A6	Calcium, total	mg/L	102	105	No Exceedance
MW-3	UA	Compliance	06/13/2023	A6R	Calcium, total	mg/L	95.8	105	No Exceedance
MW-3	UA	Compliance	09/05/2023	A6D	Calcium, total	mg/L	91.2	105	No Exceedance
MW-3	UA	Compliance	11/28/2023	A6DR	Calcium, total	mg/L	89.8	105	No Exceedance
MW-3	UA	Compliance	01/31/2023	A6	Chloride, total	mg/L	30.0	17.8	Determined
MW-3	UA	Compliance	06/13/2023	A6R	Chloride, total	mg/L	30.0	17.8	Determined
MW-3	UA	Compliance	09/05/2023	A6D	Chloride, total	mg/L	28.0	17.8	Determined
MW-3	UA	Compliance	11/28/2023	A6DR	Chloride, total	mg/L	28.0	17.8	Determined
MW-3	UA	Compliance	01/31/2023	A6	Fluoride, total	mg/L	0.240	0.470	No Exceedance
MW-3	UA	Compliance	06/13/2023	A6R	Fluoride, total	mg/L	0.240	0.470	No Exceedance
MW-3	UA	Compliance	09/05/2023	A6D	Fluoride, total	mg/L	0.290	0.470	No Exceedance
MW-3	UA	Compliance	11/28/2023	A6DR	Fluoride, total	mg/L	0.260	0.470	No Exceedance
MW-3	UA	Compliance	01/31/2023	A6	pH (field)	SU	6.7	6.3/7.7	No Exceedance
MW-3	UA	Compliance	06/13/2023	A6R	pH (field)	SU	6.5	6.3/7.7	No Exceedance
MW-3	UA	Compliance	09/05/2023	A6D	pH (field)	SU	6.8	6.3/7.7	No Exceedance
MW-3	UA	Compliance	11/28/2023	A6DR	pH (field)	SU	7.0	6.3/7.7	No Exceedance
MW-3	UA	Compliance	01/31/2023	A6	Sulfate, total	mg/L	141	202	No Exceedance
MW-3	UA	Compliance	06/13/2023	A6R	Sulfate, total	mg/L	130	202	No Exceedance
MW-3	UA	Compliance	09/05/2023	A6D	Sulfate, total	mg/L	117	202	No Exceedance
MW-3	UA	Compliance	11/28/2023	A6DR	Sulfate, total	mg/L	142	202	No Exceedance
MW-3	UA	Compliance	01/31/2023	A6	Total Dissolved Solids	mg/L	592	685	No Exceedance
MW-3	UA	Compliance	06/13/2023	A6R	Total Dissolved Solids	mg/L	568	685	No Exceedance
MW-3	UA	Compliance	09/05/2023	A6D	Total Dissolved Solids	mg/L	594	685	No Exceedance
MW-3	UA	Compliance	11/28/2023	A6DR	Total Dissolved Solids	mg/L	576	685	No Exceedance
MW-5	UA	Compliance	01/31/2023	A6	Boron, total	mg/L	0.464	0.273	Determined
MW-5	UA	Compliance	06/13/2023	A6R	Boron, total	mg/L	0.532	0.273	Determined
MW-5	UA	Compliance	09/06/2023	A6D	Boron, total	mg/L	0.578	0.273	Determined
MW-5	UA	Compliance	11/27/2023	A6DR	Boron, total	mg/L	0.513	0.273	Determined
MW-5	UA	Compliance	01/31/2023	A6	Calcium, total	mg/L	156	105	Determined
MW-5	UA	Compliance	06/13/2023	A6R	Calcium, total	mg/L	160	105	Determined
MW-5	UA	Compliance	09/06/2023	A6D	Calcium, total	mg/L	147	105	Determined
MW-5	UA	Compliance	11/27/2023	A6DR	Calcium, total	mg/L	146	105	Determined

**TABLE 2**  
**ANALYTICAL RESULTS - APPENDIX III PARAMETERS**  
 2023 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	Background	SSI Type
MW-5	UA	Compliance	01/31/2023	A6	Chloride, total	mg/L	46.0	17.8	Determined
MW-5	UA	Compliance	06/13/2023	A6R	Chloride, total	mg/L	45.0	17.8	Determined
MW-5	UA	Compliance	09/06/2023	A6D	Chloride, total	mg/L	44.0	17.8	Determined
MW-5	UA	Compliance	11/27/2023	A6DR	Chloride, total	mg/L	44.0	17.8	Determined
MW-5	UA	Compliance	01/31/2023	A6	Fluoride, total	mg/L	0.160	0.470	No Exceedance
MW-5	UA	Compliance	06/13/2023	A6R	Fluoride, total	mg/L	0.180	0.470	No Exceedance
MW-5	UA	Compliance	09/06/2023	A6D	Fluoride, total	mg/L	0.200	0.470	No Exceedance
MW-5	UA	Compliance	11/27/2023	A6DR	Fluoride, total	mg/L	0.170	0.470	No Exceedance
MW-5	UA	Compliance	01/31/2023	A6	pH (field)	SU	6.6	6.3/7.7	No Exceedance
MW-5	UA	Compliance	06/13/2023	A6R	pH (field)	SU	6.7	6.3/7.7	No Exceedance
MW-5	UA	Compliance	09/06/2023	A6D	pH (field)	SU	6.7	6.3/7.7	No Exceedance
MW-5	UA	Compliance	11/27/2023	A6DR	pH (field)	SU	6.6	6.3/7.7	No Exceedance
MW-5	UA	Compliance	01/31/2023	A6	Sulfate, total	mg/L	11.0	202	No Exceedance
MW-5	UA	Compliance	06/13/2023	A6R	Sulfate, total	mg/L	10.0 J	202	No Exceedance
MW-5	UA	Compliance	09/06/2023	A6D	Sulfate, total	mg/L	10.0	202	No Exceedance
MW-5	UA	Compliance	11/27/2023	A6DR	Sulfate, total	mg/L	13.0	202	No Exceedance
MW-5	UA	Compliance	01/31/2023	A6	Total Dissolved Solids	mg/L	726	685	Determined
MW-5	UA	Compliance	06/13/2023	A6R	Total Dissolved Solids	mg/L	756	685	Determined
MW-5	UA	Compliance	09/06/2023	A6D	Total Dissolved Solids	mg/L	732	685	Determined
MW-5	UA	Compliance	11/27/2023	A6DR	Total Dissolved Solids	mg/L	760	685	Determined
MW-6	UA	Compliance	02/01/2023	A6	Boron, total	mg/L	0.800	0.273	Determined
MW-6	UA	Compliance	06/13/2023	A6R	Boron, total	mg/L	0.996	0.273	Determined
MW-6	UA	Compliance	09/06/2023	A6D	Boron, total	mg/L	1.47	0.273	Determined
MW-6	UA	Compliance	11/28/2023	A6DR	Boron, total	mg/L	1.44	0.273	Determined
MW-6	UA	Compliance	02/01/2023	A6	Calcium, total	mg/L	85.2	105	No Exceedance
MW-6	UA	Compliance	06/13/2023	A6R	Calcium, total	mg/L	93.2	105	No Exceedance
MW-6	UA	Compliance	09/06/2023	A6D	Calcium, total	mg/L	104	105	No Exceedance
MW-6	UA	Compliance	11/28/2023	A6DR	Calcium, total	mg/L	110	105	Determined
MW-6	UA	Compliance	02/01/2023	A6	Chloride, total	mg/L	2.00	17.8	No Exceedance
MW-6	UA	Compliance	06/13/2023	A6R	Chloride, total	mg/L	2 J	17.8	No Exceedance
MW-6	UA	Compliance	09/06/2023	A6D	Chloride, total	mg/L	5.00	17.8	No Exceedance
MW-6	UA	Compliance	11/28/2023	A6DR	Chloride, total	mg/L	9.00	17.8	No Exceedance
MW-6	UA	Compliance	02/01/2023	A6	Fluoride, total	mg/L	0.180	0.470	No Exceedance
MW-6	UA	Compliance	06/13/2023	A6R	Fluoride, total	mg/L	0.200	0.470	No Exceedance
MW-6	UA	Compliance	09/06/2023	A6D	Fluoride, total	mg/L	0.220	0.470	No Exceedance
MW-6	UA	Compliance	11/28/2023	A6DR	Fluoride, total	mg/L	0.200	0.470	No Exceedance
MW-6	UA	Compliance	02/01/2023	A6	pH (field)	SU	6.5	6.3/7.7	No Exceedance
MW-6	UA	Compliance	06/13/2023	A6R	pH (field)	SU	6.6	6.3/7.7	No Exceedance
MW-6	UA	Compliance	09/06/2023	A6D	pH (field)	SU	6.5	6.3/7.7	No Exceedance
MW-6	UA	Compliance	11/28/2023	A6DR	pH (field)	SU	6.4	6.3/7.7	No Exceedance
MW-6	UA	Compliance	02/01/2023	A6	Sulfate, total	mg/L	127	202	No Exceedance
MW-6	UA	Compliance	06/13/2023	A6R	Sulfate, total	mg/L	126	202	No Exceedance
MW-6	UA	Compliance	09/06/2023	A6D	Sulfate, total	mg/L	151	202	No Exceedance
MW-6	UA	Compliance	11/28/2023	A6DR	Sulfate, total	mg/L	222	202	Determined
MW-6	UA	Compliance	02/01/2023	A6	Total Dissolved Solids	mg/L	430	685	No Exceedance
MW-6	UA	Compliance	06/13/2023	A6R	Total Dissolved Solids	mg/L	462	685	No Exceedance

**TABLE 2**  
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 2023 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	Background	SSI Type
MW-6	UA	Compliance	09/06/2023	A6D	Total Dissolved Solids	mg/L	584	685	No Exceedance
MW-6	UA	Compliance	11/28/2023	A6DR	Total Dissolved Solids	mg/L	670	685	No Exceedance
MW-7	UA	Compliance	02/01/2023	A6	Boron, total	mg/L	0.140	0.273	No Exceedance
MW-7	UA	Compliance	06/12/2023	A6R	Boron, total	mg/L	0.247	0.273	No Exceedance
MW-7	UA	Compliance	09/07/2023	A6D	Boron, total	mg/L	0.450	0.273	Determined
MW-7	UA	Compliance	11/27/2023	A6DR	Boron, total	mg/L	0.563	0.273	Determined
MW-7	UA	Compliance	02/01/2023	A6	Calcium, total	mg/L	130	105	Determined
MW-7	UA	Compliance	06/12/2023	A6R	Calcium, total	mg/L	109	105	Determined
MW-7	UA	Compliance	09/07/2023	A6D	Calcium, total	mg/L	145	105	Determined
MW-7	UA	Compliance	11/27/2023	A6DR	Calcium, total	mg/L	174	105	Determined
MW-7	UA	Compliance	02/01/2023	A6	Chloride, total	mg/L	1.00	17.8	No Exceedance
MW-7	UA	Compliance	06/12/2023	A6R	Chloride, total	mg/L	1 J	17.8	No Exceedance
MW-7	UA	Compliance	09/07/2023	A6D	Chloride, total	mg/L	6.00	17.8	No Exceedance
MW-7	UA	Compliance	11/27/2023	A6DR	Chloride, total	mg/L	8.00	17.8	No Exceedance
MW-7	UA	Compliance	02/01/2023	A6	Fluoride, total	mg/L	0.260	0.470	No Exceedance
MW-7	UA	Compliance	06/12/2023	A6R	Fluoride, total	mg/L	0.270	0.470	No Exceedance
MW-7	UA	Compliance	09/07/2023	A6D	Fluoride, total	mg/L	0.300	0.470	No Exceedance
MW-7	UA	Compliance	11/27/2023	A6DR	Fluoride, total	mg/L	0.280	0.470	No Exceedance
MW-7	UA	Compliance	02/01/2023	A6	pH (field)	SU	7.0	6.3/7.7	No Exceedance
MW-7	UA	Compliance	06/12/2023	A6R	pH (field)	SU	6.9	6.3/7.7	No Exceedance
MW-7	UA	Compliance	09/07/2023	A6D	pH (field)	SU	6.8	6.3/7.7	No Exceedance
MW-7	UA	Compliance	11/27/2023	A6DR	pH (field)	SU	6.8	6.3/7.7	No Exceedance
MW-7	UA	Compliance	02/01/2023	A6	Sulfate, total	mg/L	246	202	Determined
MW-7	UA	Compliance	06/12/2023	A6R	Sulfate, total	mg/L	185	202	No Exceedance
MW-7	UA	Compliance	09/07/2023	A6D	Sulfate, total	mg/L	259	202	Determined
MW-7	UA	Compliance	11/27/2023	A6DR	Sulfate, total	mg/L	360	202	Determined
MW-7	UA	Compliance	02/01/2023	A6	Total Dissolved Solids	mg/L	638 J	685	No Exceedance
MW-7	UA	Compliance	06/12/2023	A6R	Total Dissolved Solids	mg/L	604	685	No Exceedance
MW-7	UA	Compliance	09/07/2023	A6D	Total Dissolved Solids	mg/L	824	685	Determined
MW-7	UA	Compliance	11/27/2023	A6DR	Total Dissolved Solids	mg/L	1,000	685	Determined
MW-7S	USCU	Compliance	02/01/2023	A6	Boron, total	mg/L	4.27	0.273	Determined
MW-7S	USCU	Compliance	--	A6D	Boron, total	mg/L	--	0.273	--
MW-7S	USCU	Compliance	11/27/2023	A6DR	Boron, total	mg/L	4.81	0.273	Determined
MW-7S	USCU	Compliance	02/01/2023	A6	Calcium, total	mg/L	191	105	Determined
MW-7S	USCU	Compliance	--	A6D	Calcium, total	mg/L	--	105	--
MW-7S	USCU	Compliance	11/27/2023	A6DR	Calcium, total	mg/L	180	105	Determined
MW-7S	USCU	Compliance	02/01/2023	A6	Chloride, total	mg/L	11.0	17.8	No Exceedance
MW-7S	USCU	Compliance	--	A6D	Chloride, total	mg/L	--	17.8	--
MW-7S	USCU	Compliance	11/27/2023	A6DR	Chloride, total	mg/L	9.00	17.8	No Exceedance
MW-7S	USCU	Compliance	02/01/2023	A6	Fluoride, total	mg/L	0.310	0.470	No Exceedance
MW-7S	USCU	Compliance	--	A6D	Fluoride, total	mg/L	--	0.470	--
MW-7S	USCU	Compliance	11/27/2023	A6DR	Fluoride, total	mg/L	0.290	0.470	No Exceedance
MW-7S	USCU	Compliance	02/01/2023	A6	pH (field)	SU	6.7	6.3/7.7	No Exceedance
MW-7S	USCU	Compliance	--	A6D	pH (field)	SU	--	6.3/7.7	--
MW-7S	USCU	Compliance	11/27/2023	A6DR	pH (field)	SU	6.7	6.3/7.7	No Exceedance
MW-7S	USCU	Compliance	02/01/2023	A6	Sulfate, total	mg/L	485	202	Determined

**TABLE 2**  
**ANALYTICAL RESULTS - APPENDIX III PARAMETERS**  
2023 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	Background	SSI Type
MW-7S	USCU	Compliance	--	A6D	Sulfate, total	mg/L	--	202	--
MW-7S	USCU	Compliance	11/27/2023	A6DR	Sulfate, total	mg/L	525	202	Determined
MW-7S	USCU	Compliance	02/01/2023	A6	Total Dissolved Solids	mg/L	414	685	No Exceedance
MW-7S	USCU	Compliance	--	A6D	Total Dissolved Solids	mg/L	--	685	--
MW-7S	USCU	Compliance	11/27/2023	A6DR	Total Dissolved Solids	mg/L	1,300	685	Determined
MW-8	UA	Compliance	02/01/2023	A6	Boron, total	mg/L	0.868	0.273	Determined
MW-8	UA	Compliance	06/12/2023	A6R	Boron, total	mg/L	0.889	0.273	Determined
MW-8	UA	Compliance	09/07/2023	A6D	Boron, total	mg/L	0.997	0.273	Determined
MW-8	UA	Compliance	11/28/2023	A6DR	Boron, total	mg/L	1.03	0.273	Determined
MW-8	UA	Compliance	02/01/2023	A6	Calcium, total	mg/L	164	105	Determined
MW-8	UA	Compliance	06/12/2023	A6R	Calcium, total	mg/L	138	105	Determined
MW-8	UA	Compliance	09/07/2023	A6D	Calcium, total	mg/L	151	105	Determined
MW-8	UA	Compliance	11/28/2023	A6DR	Calcium, total	mg/L	147	105	Determined
MW-8	UA	Compliance	02/01/2023	A6	Chloride, total	mg/L	20.0	17.8	Determined
MW-8	UA	Compliance	06/12/2023	A6R	Chloride, total	mg/L	21.0	17.8	Determined
MW-8	UA	Compliance	09/07/2023	A6D	Chloride, total	mg/L	20.0	17.8	Determined
MW-8	UA	Compliance	11/28/2023	A6DR	Chloride, total	mg/L	21.0	17.8	Determined
MW-8	UA	Compliance	02/01/2023	A6	Fluoride, total	mg/L	0.220	0.470	No Exceedance
MW-8	UA	Compliance	06/12/2023	A6R	Fluoride, total	mg/L	0.220	0.470	No Exceedance
MW-8	UA	Compliance	09/07/2023	A6D	Fluoride, total	mg/L	0.230	0.470	No Exceedance
MW-8	UA	Compliance	11/28/2023	A6DR	Fluoride, total	mg/L	0.230	0.470	No Exceedance
MW-8	UA	Compliance	02/01/2023	A6	pH (field)	SU	6.6	6.3/7.7	No Exceedance
MW-8	UA	Compliance	06/12/2023	A6R	pH (field)	SU	6.4	6.3/7.7	No Exceedance
MW-8	UA	Compliance	09/07/2023	A6D	pH (field)	SU	6.6	6.3/7.7	No Exceedance
MW-8	UA	Compliance	11/28/2023	A6DR	pH (field)	SU	6.4	6.3/7.7	No Exceedance
MW-8	UA	Compliance	02/01/2023	A6	Sulfate, total	mg/L	251	202	Determined
MW-8	UA	Compliance	06/12/2023	A6R	Sulfate, total	mg/L	232	202	Determined
MW-8	UA	Compliance	09/07/2023	A6D	Sulfate, total	mg/L	214	202	Determined
MW-8	UA	Compliance	11/28/2023	A6DR	Sulfate, total	mg/L	222	202	Determined
MW-8	UA	Compliance	02/01/2023	A6	Total Dissolved Solids	mg/L	812	685	Determined
MW-8	UA	Compliance	06/12/2023	A6R	Total Dissolved Solids	mg/L	812	685	Determined
MW-8	UA	Compliance	09/07/2023	A6D	Total Dissolved Solids	mg/L	858	685	Determined
MW-8	UA	Compliance	11/28/2023	A6DR	Total Dissolved Solids	mg/L	808	685	Determined
MW-11	UA	Compliance	01/30/2023	A6	Boron, total	mg/L	1.34	0.273	Determined
MW-11	UA	Compliance	06/12/2023	A6R	Boron, total	mg/L	1.41	0.273	Determined
MW-11	UA	Compliance	09/05/2023	A6D	Boron, total	mg/L	1.87	0.273	Determined
MW-11	UA	Compliance	11/28/2023	A6DR	Boron, total	mg/L	1.76	0.273	Determined
MW-11	UA	Compliance	01/30/2023	A6	Calcium, total	mg/L	121	105	Determined
MW-11	UA	Compliance	06/12/2023	A6R	Calcium, total	mg/L	108	105	Determined
MW-11	UA	Compliance	09/05/2023	A6D	Calcium, total	mg/L	115	105	Determined
MW-11	UA	Compliance	11/28/2023	A6DR	Calcium, total	mg/L	115	105	Determined
MW-11	UA	Compliance	01/30/2023	A6	Chloride, total	mg/L	32.0	17.8	Determined
MW-11	UA	Compliance	06/12/2023	A6R	Chloride, total	mg/L	33.0	17.8	Determined
MW-11	UA	Compliance	09/05/2023	A6D	Chloride, total	mg/L	32.0	17.8	Determined
MW-11	UA	Compliance	11/28/2023	A6DR	Chloride, total	mg/L	32.0	17.8	Determined
MW-11	UA	Compliance	01/30/2023	A6	Fluoride, total	mg/L	0.480	0.470	Determined



**TABLE 2**  
**ANALYTICAL RESULTS - APPENDIX III PARAMETERS**  
 2023 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	Background	SSI Type
MW-11	UA	Compliance	06/12/2023	A6R	Fluoride, total	mg/L	0.480	0.470	Determined
MW-11	UA	Compliance	09/05/2023	A6D	Fluoride, total	mg/L	0.560	0.470	Determined
MW-11	UA	Compliance	11/28/2023	A6DR	Fluoride, total	mg/L	0.520	0.470	Determined
MW-11	UA	Compliance	01/30/2023	A6	pH (field)	SU	6.8	6.3/7.7	No Exceedance
MW-11	UA	Compliance	06/12/2023	A6R	pH (field)	SU	6.7	6.3/7.7	No Exceedance
MW-11	UA	Compliance	09/05/2023	A6D	pH (field)	SU	6.7	6.3/7.7	No Exceedance
MW-11	UA	Compliance	11/28/2023	A6DR	pH (field)	SU	6.9	6.3/7.7	No Exceedance
MW-11	UA	Compliance	01/30/2023	A6	Sulfate, total	mg/L	119	202	No Exceedance
MW-11	UA	Compliance	06/12/2023	A6R	Sulfate, total	mg/L	125	202	No Exceedance
MW-11	UA	Compliance	09/05/2023	A6D	Sulfate, total	mg/L	129	202	No Exceedance
MW-11	UA	Compliance	11/28/2023	A6DR	Sulfate, total	mg/L	128	202	No Exceedance
MW-11	UA	Compliance	01/30/2023	A6	Total Dissolved Solids	mg/L	612	685	No Exceedance
MW-11	UA	Compliance	06/12/2023	A6R	Total Dissolved Solids	mg/L	646	685	No Exceedance
MW-11	UA	Compliance	09/05/2023	A6D	Total Dissolved Solids	mg/L	650	685	No Exceedance
MW-11	UA	Compliance	11/28/2023	A6DR	Total Dissolved Solids	mg/L	642	685	No Exceedance
MW-12	UA	Compliance	02/01/2023	A6	Boron, total	mg/L	2.71	0.273	Determined
MW-12	UA	Compliance	06/13/2023	A6R	Boron, total	mg/L	3.39	0.273	Determined
MW-12	UA	Compliance	09/07/2023	A6D	Boron, total	mg/L	3.94	0.273	Determined
MW-12	UA	Compliance	11/28/2023	A6DR	Boron, total	mg/L	2.78	0.273	Determined
MW-12	UA	Compliance	02/01/2023	A6	Calcium, total	mg/L	212	105	Determined
MW-12	UA	Compliance	06/13/2023	A6R	Calcium, total	mg/L	210	105	Determined
MW-12	UA	Compliance	09/07/2023	A6D	Calcium, total	mg/L	204	105	Determined
MW-12	UA	Compliance	11/28/2023	A6DR	Calcium, total	mg/L	191	105	Determined
MW-12	UA	Compliance	02/01/2023	A6	Chloride, total	mg/L	30.0	17.8	Determined
MW-12	UA	Compliance	06/13/2023	A6R	Chloride, total	mg/L	31.0	17.8	Determined
MW-12	UA	Compliance	09/07/2023	A6D	Chloride, total	mg/L	29.0	17.8	Determined
MW-12	UA	Compliance	11/28/2023	A6DR	Chloride, total	mg/L	31.0	17.8	Determined
MW-12	UA	Compliance	02/01/2023	A6	Fluoride, total	mg/L	0.200	0.470	No Exceedance
MW-12	UA	Compliance	06/13/2023	A6R	Fluoride, total	mg/L	0.200	0.470	No Exceedance
MW-12	UA	Compliance	09/07/2023	A6D	Fluoride, total	mg/L	0.200	0.470	No Exceedance
MW-12	UA	Compliance	11/28/2023	A6DR	Fluoride, total	mg/L	0.260	0.470	No Exceedance
MW-12	UA	Compliance	02/01/2023	A6	pH (field)	SU	6.6	6.3/7.7	No Exceedance
MW-12	UA	Compliance	06/13/2023	A6R	pH (field)	SU	6.7	6.3/7.7	No Exceedance
MW-12	UA	Compliance	09/07/2023	A6D	pH (field)	SU	6.5	6.3/7.7	No Exceedance
MW-12	UA	Compliance	11/28/2023	A6DR	pH (field)	SU	6.8	6.3/7.7	No Exceedance
MW-12	UA	Compliance	02/01/2023	A6	Sulfate, total	mg/L	388	202	Determined
MW-12	UA	Compliance	06/13/2023	A6R	Sulfate, total	mg/L	378	202	Determined
MW-12	UA	Compliance	09/07/2023	A6D	Sulfate, total	mg/L	380	202	Determined
MW-12	UA	Compliance	11/28/2023	A6DR	Sulfate, total	mg/L	350	202	Determined
MW-12	UA	Compliance	02/01/2023	A6	Total Dissolved Solids	mg/L	1,060	685	Determined
MW-12	UA	Compliance	06/13/2023	A6R	Total Dissolved Solids	mg/L	1,080	685	Determined
MW-12	UA	Compliance	09/07/2023	A6D	Total Dissolved Solids	mg/L	1,190	685	Determined
MW-12	UA	Compliance	11/28/2023	A6DR	Total Dissolved Solids	mg/L	1,090	685	Determined
MW-20	UA	Compliance	01/31/2023	A6	Boron, total	mg/L	0.550	0.273	Determined
MW-20	UA	Compliance	06/13/2023	A6R	Boron, total	mg/L	0.586	0.273	Determined
MW-20	UA	Compliance	09/06/2023	A6D	Boron, total	mg/L	0.642	0.273	Determined

**TABLE 2**  
**ANALYTICAL RESULTS - APPENDIX III PARAMETERS**  
 2023 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	Background	SSI Type
MW-20	UA	Compliance	11/28/2023	A6DR	Boron, total	mg/L	0.592	0.273	Determined
MW-20	UA	Compliance	01/31/2023	A6	Calcium, total	mg/L	132	105	Determined
MW-20	UA	Compliance	06/13/2023	A6R	Calcium, total	mg/L	133	105	Determined
MW-20	UA	Compliance	09/06/2023	A6D	Calcium, total	mg/L	122	105	Determined
MW-20	UA	Compliance	11/28/2023	A6DR	Calcium, total	mg/L	120	105	Determined
MW-20	UA	Compliance	01/31/2023	A6	Chloride, total	mg/L	23.0	17.8	Determined
MW-20	UA	Compliance	06/13/2023	A6R	Chloride, total	mg/L	22.0	17.8	Determined
MW-20	UA	Compliance	09/06/2023	A6D	Chloride, total	mg/L	20.0	17.8	Determined
MW-20	UA	Compliance	11/28/2023	A6DR	Chloride, total	mg/L	20.0	17.8	Determined
MW-20	UA	Compliance	01/31/2023	A6	Fluoride, total	mg/L	0.340	0.470	No Exceedance
MW-20	UA	Compliance	06/13/2023	A6R	Fluoride, total	mg/L	0.360	0.470	No Exceedance
MW-20	UA	Compliance	09/06/2023	A6D	Fluoride, total	mg/L	0.390	0.470	No Exceedance
MW-20	UA	Compliance	11/28/2023	A6DR	Fluoride, total	mg/L	0.380	0.470	No Exceedance
MW-20	UA	Compliance	01/31/2023	A6	pH (field)	SU	7.0	6.3/7.7	No Exceedance
MW-20	UA	Compliance	06/13/2023	A6R	pH (field)	SU	7.0	6.3/7.7	No Exceedance
MW-20	UA	Compliance	09/06/2023	A6D	pH (field)	SU	6.9	6.3/7.7	No Exceedance
MW-20	UA	Compliance	11/28/2023	A6DR	pH (field)	SU	7.1	6.3/7.7	No Exceedance
MW-20	UA	Compliance	01/31/2023	A6	Sulfate, total	mg/L	180	202	No Exceedance
MW-20	UA	Compliance	06/13/2023	A6R	Sulfate, total	mg/L	180	202	No Exceedance
MW-20	UA	Compliance	09/06/2023	A6D	Sulfate, total	mg/L	140	202	No Exceedance
MW-20	UA	Compliance	11/28/2023	A6DR	Sulfate, total	mg/L	149	202	No Exceedance
MW-20	UA	Compliance	01/31/2023	A6	Total Dissolved Solids	mg/L	648	685	No Exceedance
MW-20	UA	Compliance	06/13/2023	A6R	Total Dissolved Solids	mg/L	666	685	No Exceedance
MW-20	UA	Compliance	09/06/2023	A6D	Total Dissolved Solids	mg/L	642	685	No Exceedance
MW-20	UA	Compliance	11/28/2023	A6DR	Total Dissolved Solids	mg/L	656	685	No Exceedance
MW-20S	USCU	Compliance	01/31/2023	A6	Boron, total	mg/L	1.81	0.273	Determined
MW-20S	USCU	Compliance	06/13/2023	A6R	Boron, total	mg/L	2.19	0.273	Determined
MW-20S	USCU	Compliance	09/06/2023	A6D	Boron, total	mg/L	2.13	0.273	Determined
MW-20S	USCU	Compliance	11/28/2023	A6DR	Boron, total	mg/L	1.64	0.273	Determined
MW-20S	USCU	Compliance	01/31/2023	A6	Calcium, total	mg/L	202	105	Determined
MW-20S	USCU	Compliance	06/13/2023	A6R	Calcium, total	mg/L	204	105	Determined
MW-20S	USCU	Compliance	09/06/2023	A6D	Calcium, total	mg/L	180	105	Determined
MW-20S	USCU	Compliance	11/28/2023	A6DR	Calcium, total	mg/L	168	105	Determined
MW-20S	USCU	Compliance	01/31/2023	A6	Chloride, total	mg/L	15.0	17.8	No Exceedance
MW-20S	USCU	Compliance	06/13/2023	A6R	Chloride, total	mg/L	14.0	17.8	No Exceedance
MW-20S	USCU	Compliance	09/06/2023	A6D	Chloride, total	mg/L	18.0	17.8	Determined
MW-20S	USCU	Compliance	11/28/2023	A6DR	Chloride, total	mg/L	19.0	17.8	Determined
MW-20S	USCU	Compliance	01/31/2023	A6	Fluoride, total	mg/L	0.170	0.470	No Exceedance
MW-20S	USCU	Compliance	06/13/2023	A6R	Fluoride, total	mg/L	0.190	0.470	No Exceedance
MW-20S	USCU	Compliance	09/06/2023	A6D	Fluoride, total	mg/L	0.220	0.470	No Exceedance
MW-20S	USCU	Compliance	11/28/2023	A6DR	Fluoride, total	mg/L	0.210	0.470	No Exceedance
MW-20S	USCU	Compliance	01/31/2023	A6	pH (field)	SU	6.7	6.3/7.7	No Exceedance
MW-20S	USCU	Compliance	06/13/2023	A6R	pH (field)	SU	6.8	6.3/7.7	No Exceedance
MW-20S	USCU	Compliance	09/06/2023	A6D	pH (field)	SU	6.7	6.3/7.7	No Exceedance
MW-20S	USCU	Compliance	11/28/2023	A6DR	pH (field)	SU	7.0	6.3/7.7	No Exceedance
MW-20S	USCU	Compliance	01/31/2023	A6	Sulfate, total	mg/L	441	202	Determined

**TABLE 2**  
**ANALYTICAL RESULTS - APPENDIX III PARAMETERS**  
2023 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	Background	SSI Type
MW-20S	USCU	Compliance	06/13/2023	A6R	Sulfate, total	mg/L	519	202	Determined
MW-20S	USCU	Compliance	09/06/2023	A6D	Sulfate, total	mg/L	352	202	Determined
MW-20S	USCU	Compliance	11/28/2023	A6DR	Sulfate, total	mg/L	356	202	Determined
MW-20S	USCU	Compliance	01/31/2023	A6	Total Dissolved Solids	mg/L	1,130	685	Determined
MW-20S	USCU	Compliance	06/13/2023	A6R	Total Dissolved Solids	mg/L	1,250	685	Determined
MW-20S	USCU	Compliance	09/06/2023	A6D	Total Dissolved Solids	mg/L	1,030	685	Determined
MW-20S	USCU	Compliance	11/28/2023	A6DR	Total Dissolved Solids	mg/L	925	685	Determined
MW-23	UA	Compliance	01/31/2023	A6	Boron, total	mg/L	2.13	0.273	Determined
MW-23	UA	Compliance	06/12/2023	A6R	Boron, total	mg/L	1.99	0.273	Determined
MW-23	UA	Compliance	09/05/2023	A6D	Boron, total	mg/L	2.39	0.273	Determined
MW-23	UA	Compliance	11/28/2023	A6DR	Boron, total	mg/L	2.10	0.273	Determined
MW-23	UA	Compliance	01/31/2023	A6	Calcium, total	mg/L	117	105	Determined
MW-23	UA	Compliance	06/12/2023	A6R	Calcium, total	mg/L	103	105	No Exceedance
MW-23	UA	Compliance	09/05/2023	A6D	Calcium, total	mg/L	109	105	Determined
MW-23	UA	Compliance	11/28/2023	A6DR	Calcium, total	mg/L	106	105	Determined
MW-23	UA	Compliance	01/31/2023	A6	Chloride, total	mg/L	30.0	17.8	Determined
MW-23	UA	Compliance	06/12/2023	A6R	Chloride, total	mg/L	28.0	17.8	Determined
MW-23	UA	Compliance	09/05/2023	A6D	Chloride, total	mg/L	26.0	17.8	Determined
MW-23	UA	Compliance	11/28/2023	A6DR	Chloride, total	mg/L	25.0	17.8	Determined
MW-23	UA	Compliance	01/31/2023	A6	Fluoride, total	mg/L	0.330	0.470	No Exceedance
MW-23	UA	Compliance	06/12/2023	A6R	Fluoride, total	mg/L	0.360	0.470	No Exceedance
MW-23	UA	Compliance	09/05/2023	A6D	Fluoride, total	mg/L	0.400	0.470	No Exceedance
MW-23	UA	Compliance	11/28/2023	A6DR	Fluoride, total	mg/L	0.390	0.470	No Exceedance
MW-23	UA	Compliance	01/31/2023	A6	pH (field)	SU	6.9	6.3/7.7	No Exceedance
MW-23	UA	Compliance	06/12/2023	A6R	pH (field)	SU	6.4	6.3/7.7	No Exceedance
MW-23	UA	Compliance	09/05/2023	A6D	pH (field)	SU	6.8	6.3/7.7	No Exceedance
MW-23	UA	Compliance	11/28/2023	A6DR	pH (field)	SU	7.0	6.3/7.7	No Exceedance
MW-23	UA	Compliance	01/31/2023	A6	Sulfate, total	mg/L	48.0	202	No Exceedance
MW-23	UA	Compliance	06/12/2023	A6R	Sulfate, total	mg/L	47.0	202	No Exceedance
MW-23	UA	Compliance	09/05/2023	A6D	Sulfate, total	mg/L	48.0	202	No Exceedance
MW-23	UA	Compliance	11/28/2023	A6DR	Sulfate, total	mg/L	33.0	202	No Exceedance
MW-23	UA	Compliance	01/31/2023	A6	Total Dissolved Solids	mg/L	602	685	No Exceedance
MW-23	UA	Compliance	06/12/2023	A6R	Total Dissolved Solids	mg/L	634	685	No Exceedance
MW-23	UA	Compliance	09/05/2023	A6D	Total Dissolved Solids	mg/L	634	685	No Exceedance
MW-23	UA	Compliance	11/28/2023	A6DR	Total Dissolved Solids	mg/L	604	685	No Exceedance
MW-27	USCU	Compliance	02/01/2023	A6	Boron, total	mg/L	1.29	0.273	Determined
MW-27	USCU	Compliance	02/01/2023	A6	Calcium, total	mg/L	184	105	Determined
MW-27	USCU	Compliance	02/01/2023	A6	Chloride, total	mg/L	14.0	17.8	No Exceedance
MW-27	USCU	Compliance	02/01/2023	A6	Fluoride, total	mg/L	0.220	0.470	No Exceedance
MW-27	USCU	Compliance	02/01/2023	A6	pH (field)	SU	6.8	6.3/7.7	No Exceedance
MW-27	USCU	Compliance	06/12/2023	A6R	pH (field)	SU	6.7	6.3/7.7	No Exceedance
MW-27	USCU	Compliance	02/01/2023	A6	Sulfate, total	mg/L	308	202	Determined
MW-27	USCU	Compliance	02/01/2023	A6	Total Dissolved Solids	mg/L	990	685	Determined
MW-28	UA	Compliance	02/01/2023	A6	Boron, total	mg/L	7.96	0.273	Determined
MW-28	UA	Compliance	06/13/2023	A6R	Boron, total	mg/L	9.00	0.273	Determined
MW-28	UA	Compliance	09/06/2023	A6D	Boron, total	mg/L	9.88	0.273	Determined

**TABLE 2**  
**ANALYTICAL RESULTS - APPENDIX III PARAMETERS**  
 2023 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	Background	SSI Type
MW-28	UA	Compliance	11/28/2023	A6DR	Boron, total	mg/L	8.20	0.273	Determined
MW-28	UA	Compliance	02/01/2023	A6	Calcium, total	mg/L	270	105	Determined
MW-28	UA	Compliance	06/13/2023	A6R	Calcium, total	mg/L	286	105	Determined
MW-28	UA	Compliance	09/06/2023	A6D	Calcium, total	mg/L	264	105	Determined
MW-28	UA	Compliance	11/28/2023	A6DR	Calcium, total	mg/L	251	105	Determined
MW-28	UA	Compliance	02/01/2023	A6	Chloride, total	mg/L	13.0	17.8	No Exceedance
MW-28	UA	Compliance	06/13/2023	A6R	Chloride, total	mg/L	15.0	17.8	No Exceedance
MW-28	UA	Compliance	09/06/2023	A6D	Chloride, total	mg/L	14.0	17.8	No Exceedance
MW-28	UA	Compliance	11/28/2023	A6DR	Chloride, total	mg/L	13.0	17.8	No Exceedance
MW-28	UA	Compliance	02/01/2023	A6	Fluoride, total	mg/L	0.140	0.470	No Exceedance
MW-28	UA	Compliance	06/13/2023	A6R	Fluoride, total	mg/L	0.130	0.470	No Exceedance
MW-28	UA	Compliance	09/06/2023	A6D	Fluoride, total	mg/L	0.150	0.470	No Exceedance
MW-28	UA	Compliance	11/28/2023	A6DR	Fluoride, total	mg/L	0.150	0.470	No Exceedance
MW-28	UA	Compliance	02/01/2023	A6	pH (field)	SU	6.7	6.3/7.7	No Exceedance
MW-28	UA	Compliance	06/13/2023	A6R	pH (field)	SU	6.8	6.3/7.7	No Exceedance
MW-28	UA	Compliance	09/06/2023	A6D	pH (field)	SU	6.8	6.3/7.7	No Exceedance
MW-28	UA	Compliance	11/28/2023	A6DR	pH (field)	SU	6.6	6.3/7.7	No Exceedance
MW-28	UA	Compliance	02/01/2023	A6	Sulfate, total	mg/L	801	202	Determined
MW-28	UA	Compliance	06/13/2023	A6R	Sulfate, total	mg/L	951	202	Determined
MW-28	UA	Compliance	09/06/2023	A6D	Sulfate, total	mg/L	920	202	Determined
MW-28	UA	Compliance	11/28/2023	A6DR	Sulfate, total	mg/L	891	202	Determined
MW-28	UA	Compliance	02/01/2023	A6	Total Dissolved Solids	mg/L	1,620	685	Determined
MW-28	UA	Compliance	06/13/2023	A6R	Total Dissolved Solids	mg/L	1,770	685	Determined
MW-28	UA	Compliance	09/06/2023	A6D	Total Dissolved Solids	mg/L	1,860	685	Determined
MW-28	UA	Compliance	11/28/2023	A6DR	Total Dissolved Solids	mg/L	1,780	685	Determined
MW-30	UA	Compliance	01/31/2023	A6	Boron, total	mg/L	1.10	0.273	Determined
MW-30	UA	Compliance	06/13/2023	A6R	Boron, total	mg/L	1.15	0.273	Determined
MW-30	UA	Compliance	09/06/2023	A6D	Boron, total	mg/L	1.20	0.273	Determined
MW-30	UA	Compliance	11/28/2023	A6DR	Boron, total	mg/L	1.09	0.273	Determined
MW-30	UA	Compliance	01/31/2023	A6	Calcium, total	mg/L	124	105	Determined
MW-30	UA	Compliance	06/13/2023	A6R	Calcium, total	mg/L	121	105	Determined
MW-30	UA	Compliance	09/06/2023	A6D	Calcium, total	mg/L	111	105	Determined
MW-30	UA	Compliance	11/28/2023	A6DR	Calcium, total	mg/L	108	105	Determined
MW-30	UA	Compliance	01/31/2023	A6	Chloride, total	mg/L	47.0	17.8	Determined
MW-30	UA	Compliance	06/13/2023	A6R	Chloride, total	mg/L	44.0	17.8	Determined
MW-30	UA	Compliance	09/06/2023	A6D	Chloride, total	mg/L	41.0	17.8	Determined
MW-30	UA	Compliance	11/28/2023	A6DR	Chloride, total	mg/L	41.0	17.8	Determined
MW-30	UA	Compliance	01/31/2023	A6	Fluoride, total	mg/L	0.310	0.470	No Exceedance
MW-30	UA	Compliance	06/13/2023	A6R	Fluoride, total	mg/L	0.300	0.470	No Exceedance
MW-30	UA	Compliance	09/06/2023	A6D	Fluoride, total	mg/L	0.330	0.470	No Exceedance
MW-30	UA	Compliance	11/28/2023	A6DR	Fluoride, total	mg/L	0.350	0.470	No Exceedance
MW-30	UA	Compliance	01/31/2023	A6	pH (field)	SU	6.6	6.3/7.7	No Exceedance
MW-30	UA	Compliance	06/13/2023	A6R	pH (field)	SU	6.7	6.3/7.7	No Exceedance
MW-30	UA	Compliance	09/06/2023	A6D	pH (field)	SU	6.7	6.3/7.7	No Exceedance
MW-30	UA	Compliance	11/28/2023	A6DR	pH (field)	SU	6.6	6.3/7.7	No Exceedance
MW-30	UA	Compliance	01/31/2023	A6	Sulfate, total	mg/L	6 U	202	No Exceedance

**TABLE 2**  
**ANALYTICAL RESULTS - APPENDIX III PARAMETERS**  
 2023 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	Background	SSI Type
MW-30	UA	Compliance	06/13/2023	A6R	Sulfate, total	mg/L	7 J	202	No Exceedance
MW-30	UA	Compliance	09/06/2023	A6D	Sulfate, total	mg/L	6 J	202	No Exceedance
MW-30	UA	Compliance	11/28/2023	A6DR	Sulfate, total	mg/L	6 U	202	No Exceedance
MW-30	UA	Compliance	01/31/2023	A6	Total Dissolved Solids	mg/L	642	685	No Exceedance
MW-30	UA	Compliance	06/13/2023	A6R	Total Dissolved Solids	mg/L	612	685	No Exceedance
MW-30	UA	Compliance	09/06/2023	A6D	Total Dissolved Solids	mg/L	565	685	No Exceedance
MW-30	UA	Compliance	11/28/2023	A6DR	Total Dissolved Solids	mg/L	635	685	No Exceedance
MW-31	UA	Compliance	01/31/2023	A6	Boron, total	mg/L	0.236	0.273	No Exceedance
MW-31	UA	Compliance	06/13/2023	A6R	Boron, total	mg/L	0.292	0.273	Determined
MW-31	UA	Compliance	09/06/2023	A6D	Boron, total	mg/L	0.224	0.273	No Exceedance
MW-31	UA	Compliance	11/27/2023	A6DR	Boron, total	mg/L	0.210	0.273	No Exceedance
MW-31	UA	Compliance	01/31/2023	A6	Calcium, total	mg/L	141	105	Determined
MW-31	UA	Compliance	06/13/2023	A6R	Calcium, total	mg/L	142	105	Determined
MW-31	UA	Compliance	09/06/2023	A6D	Calcium, total	mg/L	123	105	Determined
MW-31	UA	Compliance	11/27/2023	A6DR	Calcium, total	mg/L	121	105	Determined
MW-31	UA	Compliance	01/31/2023	A6	Chloride, total	mg/L	55.0	17.8	Determined
MW-31	UA	Compliance	06/13/2023	A6R	Chloride, total	mg/L	50.0	17.8	Determined
MW-31	UA	Compliance	09/06/2023	A6D	Chloride, total	mg/L	44.0	17.8	Determined
MW-31	UA	Compliance	11/27/2023	A6DR	Chloride, total	mg/L	41.0	17.8	Determined
MW-31	UA	Compliance	01/31/2023	A6	Fluoride, total	mg/L	0.170	0.470	No Exceedance
MW-31	UA	Compliance	06/13/2023	A6R	Fluoride, total	mg/L	0.160	0.470	No Exceedance
MW-31	UA	Compliance	09/06/2023	A6D	Fluoride, total	mg/L	0.180	0.470	No Exceedance
MW-31	UA	Compliance	11/27/2023	A6DR	Fluoride, total	mg/L	0.170	0.470	No Exceedance
MW-31	UA	Compliance	01/31/2023	A6	pH (field)	SU	6.7	6.3/7.7	No Exceedance
MW-31	UA	Compliance	06/13/2023	A6R	pH (field)	SU	6.8	6.3/7.7	No Exceedance
MW-31	UA	Compliance	09/06/2023	A6D	pH (field)	SU	6.7	6.3/7.7	No Exceedance
MW-31	UA	Compliance	11/27/2023	A6DR	pH (field)	SU	6.7	6.3/7.7	No Exceedance
MW-31	UA	Compliance	01/31/2023	A6	Sulfate, total	mg/L	6 U	202	No Exceedance
MW-31	UA	Compliance	06/13/2023	A6R	Sulfate, total	mg/L	6 U	202	No Exceedance
MW-31	UA	Compliance	09/06/2023	A6D	Sulfate, total	mg/L	6 U	202	No Exceedance
MW-31	UA	Compliance	11/27/2023	A6DR	Sulfate, total	mg/L	6 U	202	No Exceedance
MW-31	UA	Compliance	01/31/2023	A6	Total Dissolved Solids	mg/L	580	685	No Exceedance
MW-31	UA	Compliance	06/13/2023	A6R	Total Dissolved Solids	mg/L	600	685	No Exceedance
MW-31	UA	Compliance	09/06/2023	A6D	Total Dissolved Solids	mg/L	565	685	No Exceedance
MW-31	UA	Compliance	11/27/2023	A6DR	Total Dissolved Solids	mg/L	580	685	No Exceedance
MW-31S	USCU	Compliance	01/31/2023	A6	Boron, total	mg/L	0.0340	0.273	No Exceedance
MW-31S	USCU	Compliance	09/06/2023	A6D	Boron, total	mg/L	0.0362	0.273	No Exceedance
MW-31S	USCU	Compliance	11/27/2023	A6DR	Boron, total	mg/L	0.0555 J+	0.273	No Exceedance
MW-31S	USCU	Compliance	01/31/2023	A6	Calcium, total	mg/L	163	105	Determined
MW-31S	USCU	Compliance	09/06/2023	A6D	Calcium, total	mg/L	155	105	Determined
MW-31S	USCU	Compliance	11/27/2023	A6DR	Calcium, total	mg/L	143	105	Determined
MW-31S	USCU	Compliance	01/31/2023	A6	Chloride, total	mg/L	15.0	17.8	No Exceedance
MW-31S	USCU	Compliance	--	A6D	Chloride, total	mg/L	--	17.8	--
MW-31S	USCU	Compliance	11/27/2023	A6DR	Chloride, total	mg/L	15.0	17.8	No Exceedance
MW-31S	USCU	Compliance	01/31/2023	A6	Fluoride, total	mg/L	0.300	0.470	No Exceedance
MW-31S	USCU	Compliance	--	A6D	Fluoride, total	mg/L	--	0.470	--

**TABLE 2**  
**ANALYTICAL RESULTS - APPENDIX III PARAMETERS**  
2023 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	Background	SSI Type
MW-31S	USCU	Compliance	11/27/2023	A6DR	Fluoride, total	mg/L	0.310	0.470	No Exceedance
MW-31S	USCU	Compliance	01/31/2023	A6	pH (field)	SU	6.8	6.3/7.7	No Exceedance
MW-31S	USCU	Compliance	06/13/2023	A6R	pH (field)	SU	6.7	6.3/7.7	No Exceedance
MW-31S	USCU	Compliance	09/06/2023	A6D	pH (field)	SU	6.7	6.3/7.7	No Exceedance
MW-31S	USCU	Compliance	11/27/2023	A6DR	pH (field)	SU	6.5	6.3/7.7	No Exceedance
MW-31S	USCU	Compliance	01/31/2023	A6	Sulfate, total	mg/L	29.0	202	No Exceedance
MW-31S	USCU	Compliance	--	A6D	Sulfate, total	mg/L	--	202	--
MW-31S	USCU	Compliance	11/27/2023	A6DR	Sulfate, total	mg/L	6 U	202	No Exceedance
MW-31S	USCU	Compliance	01/31/2023	A6	Total Dissolved Solids	mg/L	635	685	No Exceedance
MW-31S	USCU	Compliance	--	A6D	Total Dissolved Solids	mg/L	--	685	--
MW-31S	USCU	Compliance	11/27/2023	A6DR	Total Dissolved Solids	mg/L	730	685	Determined
MW-32	UA	Compliance	01/31/2023	A6	Boron, total	mg/L	1.38	0.273	Determined
MW-32	UA	Compliance	06/13/2023	A6R	Boron, total	mg/L	1.67	0.273	Determined
MW-32	UA	Compliance	09/06/2023	A6D	Boron, total	mg/L	1.81	0.273	Determined
MW-32	UA	Compliance	11/27/2023	A6DR	Boron, total	mg/L	1.61	0.273	Determined
MW-32	UA	Compliance	01/31/2023	A6	Calcium, total	mg/L	188	105	Determined
MW-32	UA	Compliance	06/13/2023	A6R	Calcium, total	mg/L	180	105	Determined
MW-32	UA	Compliance	09/06/2023	A6D	Calcium, total	mg/L	165	105	Determined
MW-32	UA	Compliance	11/27/2023	A6DR	Calcium, total	mg/L	163	105	Determined
MW-32	UA	Compliance	01/31/2023	A6	Chloride, total	mg/L	12.0	17.8	No Exceedance
MW-32	UA	Compliance	06/13/2023	A6R	Chloride, total	mg/L	11.0	17.8	No Exceedance
MW-32	UA	Compliance	09/06/2023	A6D	Chloride, total	mg/L	10.0	17.8	No Exceedance
MW-32	UA	Compliance	11/27/2023	A6DR	Chloride, total	mg/L	11.0	17.8	No Exceedance
MW-32	UA	Compliance	01/31/2023	A6	Fluoride, total	mg/L	0.170	0.470	No Exceedance
MW-32	UA	Compliance	06/13/2023	A6R	Fluoride, total	mg/L	0.170	0.470	No Exceedance
MW-32	UA	Compliance	09/06/2023	A6D	Fluoride, total	mg/L	0.190	0.470	No Exceedance
MW-32	UA	Compliance	11/27/2023	A6DR	Fluoride, total	mg/L	0.170	0.470	No Exceedance
MW-32	UA	Compliance	01/31/2023	A6	pH (field)	SU	6.4	6.3/7.7	No Exceedance
MW-32	UA	Compliance	06/13/2023	A6R	pH (field)	SU	6.6	6.3/7.7	No Exceedance
MW-32	UA	Compliance	09/06/2023	A6D	pH (field)	SU	6.6	6.3/7.7	No Exceedance
MW-32	UA	Compliance	11/27/2023	A6DR	pH (field)	SU	6.4	6.3/7.7	No Exceedance
MW-32	UA	Compliance	01/31/2023	A6	Sulfate, total	mg/L	418	202	Determined
MW-32	UA	Compliance	06/13/2023	A6R	Sulfate, total	mg/L	414	202	Determined
MW-32	UA	Compliance	09/06/2023	A6D	Sulfate, total	mg/L	340	202	Determined
MW-32	UA	Compliance	11/27/2023	A6DR	Sulfate, total	mg/L	356	202	Determined
MW-32	UA	Compliance	01/31/2023	A6	Total Dissolved Solids	mg/L	1,100	685	Determined
MW-32	UA	Compliance	06/13/2023	A6R	Total Dissolved Solids	mg/L	1,050	685	Determined
MW-32	UA	Compliance	09/06/2023	A6D	Total Dissolved Solids	mg/L	1,050	685	Determined
MW-32	UA	Compliance	11/27/2023	A6DR	Total Dissolved Solids	mg/L	1,060	685	Determined
PZ-4C	UA	Compliance	01/31/2023	A6	Boron, total	mg/L	1.15	0.273	Determined
PZ-4C	UA	Compliance	06/13/2023	A6R	Boron, total	mg/L	1.59	0.273	Determined
PZ-4C	UA	Compliance	--	A6D	Boron, total	mg/L	--	0.273	--
PZ-4C	UA	Compliance	11/28/2023	A6DR	Boron, total	mg/L	1.59	0.273	Determined
PZ-4C	UA	Compliance	01/31/2023	A6	Calcium, total	mg/L	775	105	Determined
PZ-4C	UA	Compliance	06/13/2023	A6R	Calcium, total	mg/L	114	105	Determined
PZ-4C	UA	Compliance	--	A6D	Calcium, total	mg/L	--	105	--

**TABLE 2**  
**ANALYTICAL RESULTS - APPENDIX III PARAMETERS**  
 2023 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	Background	SSI Type
PZ-4C	UA	Compliance	11/28/2023	A6DR	Calcium, total	mg/L	106	105	Determined
PZ-4C	UA	Compliance	01/31/2023	A6	Chloride, total	mg/L	37.0	17.8	Determined
PZ-4C	UA	Compliance	06/13/2023	A6R	Chloride, total	mg/L	34.0	17.8	Determined
PZ-4C	UA	Compliance	--	A6D	Chloride, total	mg/L	--	17.8	--
PZ-4C	UA	Compliance	11/28/2023	A6DR	Chloride, total	mg/L	35.0	17.8	Determined
PZ-4C	UA	Compliance	01/31/2023	A6	Fluoride, total	mg/L	0.430	0.470	No Exceedance
PZ-4C	UA	Compliance	06/13/2023	A6R	Fluoride, total	mg/L	0.380	0.470	No Exceedance
PZ-4C	UA	Compliance	--	A6D	Fluoride, total	mg/L	--	0.470	--
PZ-4C	UA	Compliance	11/28/2023	A6DR	Fluoride, total	mg/L	0.400	0.470	No Exceedance
PZ-4C	UA	Compliance	01/31/2023	A6	pH (field)	SU	7.0	6.3/7.7	No Exceedance
PZ-4C	UA	Compliance	06/13/2023	A6R	pH (field)	SU	6.8	6.3/7.7	No Exceedance
PZ-4C	UA	Compliance	--	A6D	pH (field)	SU	--	6.3/7.7	--
PZ-4C	UA	Compliance	11/28/2023	A6DR	pH (field)	SU	7.4	6.3/7.7	No Exceedance
PZ-4C	UA	Compliance	01/31/2023	A6	Sulfate, total	mg/L	69.0	202	No Exceedance
PZ-4C	UA	Compliance	06/13/2023	A6R	Sulfate, total	mg/L	67.0	202	No Exceedance
PZ-4C	UA	Compliance	--	A6D	Sulfate, total	mg/L	--	202	--
PZ-4C	UA	Compliance	11/28/2023	A6DR	Sulfate, total	mg/L	38.0	202	No Exceedance
PZ-4C	UA	Compliance	01/31/2023	A6	Total Dissolved Solids	mg/L	500	685	No Exceedance
PZ-4C	UA	Compliance	06/13/2023	A6R	Total Dissolved Solids	mg/L	546	685	No Exceedance
PZ-4C	UA	Compliance	--	A6D	Total Dissolved Solids	mg/L	--	685	--
PZ-4C	UA	Compliance	11/28/2023	A6DR	Total Dissolved Solids	mg/L	535	685	No Exceedance

**Notes:**

-- = no data available

HSU = hydrostratigraphic unit:

UA = Uppermost Aquifer

USCU = Upper Semi-Confining Unit

ID = identification

mg/L = milligrams per liter

NA = not applicable

R = resample

Statistically Significant Increase (SSI) Type:

No Exceedance: No exceedance of the background.

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

SU = Standard Units

J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

J+ = The result is an estimated quantity, but the result may be biased high.

U = The analyte was analyzed for, but was not detected above the level of the adjusted detection limit or quantitation limit, as appropriate.

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**TABLE 3**  
**ANALYTICAL RESULTS - APPENDIX IV PARAMETERS**  
2023 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	01/30/2023	A6	0.0004 U	0.0004 U	0.0432	0.0002 U	0.0002 U	0.0007 U	0.0001 U	0.190	0.0006 U	0.0014 U	0.00006 U	0.0006 U	0.425	0.0006 U	0.001 U
MW-1	B	06/12/2023	A6R	0.0004 U	0.0087 U	0.0431	0.0002 U	0.0005 U	0.0028 U	0.0001 U	0.200	0.004 U	0.0015 U	0.00006 U	0.0037 U	0.279	0.0006 U	0.001 U
MW-1	B	09/05/2023	A6D	0.0004 U	0.0004 U	0.0417	0.0002 U	0.0002 U	0.001 U	0.0001 U	0.260	0.0006 U	0.0017 J	0.00006 U	0.0006 U	0.603	0.0006 U	0.001 U
MW-1	B	11/27/2023	A6DR	0.00160	0.0004 U	0.0453	0.0002 U	0.0002 U	0.0007 U	0.0001 U	0.200	0.0006 U	0.0016 J	0.00006 J	0.0006 U	--	0.0006 U	0.001 U
MW-2	B	01/31/2023	A6	0.0004 U	0.0217	0.326	0.00190	0.0002 U	0.0738	0.0274	0.440	0.0363	0.0595	0.00006 U	0.00850	2.43	0.00140	0.001 U
MW-2	B	06/12/2023	A6R	0.0004 U	0.0103	0.315	0.00130	0.0009 J	0.0242	0.0185	0.480	0.0272	0.0241	0.00006 U	0.0037 U	9.33	0.0006 U	0.001 U
MW-2	B	09/05/2023	A6D	0.0004 U	0.00310	0.138	0.0004 J	0.0002 U	0.00730	0.00290	0.510	0.00370	0.00960	0.00006 U	0.00460	1.94	0.0006 U	0.001 U
MW-2	B	11/27/2023	A6DR	0.0009 U	0.00230	0.123	0.0002 U	0.0002 U	0.00200	0.0006 J	0.450	0.0007 J	0.00560	0.00006 J	0.00750	--	0.0006 U	0.001 U
MW-3	C	01/31/2023	A6	0.0004 U	0.0004 U	0.0467	0.0002 U	0.0002 U	0.0007 U	0.00140	0.240	0.0006 U	0.0014 U	0.00006 U	0.0006 U	1.63	0.0006 U	0.001 U
MW-3	C	06/13/2023	A6R	0.0004 U	0.0087 U	0.0451	0.0002 U	0.0005 U	0.0028 U	0.0005 U	0.240	0.004 U	0.0021 J	0.00006 U	0.0037 U	2.75	0.0008 J	0.001 U
MW-3	C	09/05/2023	A6D	0.0004 U	0.0004 J	0.0431	0.0002 U	0.0002 U	0.001 U	0.001 UJ	0.290	0.0006 U	0.0018 J	0.00006 U	0.002 UJ	0.762	0.0006 U	0.001 U
MW-3	C	11/28/2023	A6DR	0.00180	0.0004 J	0.0461	0.0002 U	0.0002 U	0.0007 U	0.0009 J	0.260	0.0006 U	0.0017 J	0.00006 U	0.001 J	--	0.0006 U	0.001 U
MW-5	C	01/31/2023	A6	0.0004 U	0.00100	0.135	0.0002 U	0.0002 U	0.0007 U	0.0001 U	0.160	0.0006 U	0.0014 U	0.00006 U	0.0006 U	0.230	0.0006 U	0.001 U
MW-5	C	06/13/2023	A6R	0.0004 U	0.0087 U	0.160	0.0002 U	0.0005 U	0.0028 U	0.0007 J	0.180	0.004 U	0.00300 J	0.00006 U	0.0037 U	2.29	0.0006 J	0.001 U
MW-5	C	09/06/2023	A6D	0.0004 U	0.0006 J	0.151	0.0002 U	0.0002 U	0.0007 U	0.001 UJ	0.200	0.0006 U	0.0027 J	0.00006 U	0.002 UJ	0.624	0.0006 U	0.001 U
MW-5	C	11/27/2023	A6DR	0.0004 U	0.00150	0.162	0.0002 U	0.0002 U	0.001 J	0.0009 J	0.170	0.0006 U	0.0029 J	0.00006 U	0.0009 J	--	0.0006 U	0.001 U
MW-6	C	02/01/2023	A6	0.0004 U	0.0004 U	0.0341	0.0002 U	0.0002 U	0.0007 U	0.0001 U	0.180	0.0006 U	0.0014 U	0.00006 U	0.0006 U	0.920	0.0006 U	0.001 U
MW-6	C	06/13/2023	A6R	0.0004 U	0.0087 U	0.0431	0.0002 U	0.0005 U	0.0028 U	0.0005 U	0.200	0.004 U	0.0015 U	0.00006 U	0.0037 U	1.49	0.0006 J	0.001 U
MW-6	C	09/06/2023	A6D	0.0004 U	0.0004 U	0.0476	0.0002 U	0.0002 U	0.00190	0.001 UJ	0.220	0.0006 U	0.0015 U	0.00006 U	0.0006 U	0.527	0.0006 U	0.001 U
MW-6	C	11/28/2023	A6DR	0.0004 U	0.0004 J	0.0503	0.0002 U	0.0002 U	0.0013 J	0.0002 J	0.200	0.0006 U	0.0018 J	0.00006 U	0.0006 U	--	0.0006 U	0.001 U
MW-7	C	02/01/2023	A6	0.0004 U	0.00110	0.0318	0.0002 U	0.0002 U	0.0007 U	0.0001 U	0.260	0.0006 U	0.0014 U	0.00006 U	0.00190	0.298	0.0006 U	0.001 U
MW-7	C	06/12/2023	A6R	0.0004 U	0.0087 U	0.0347	0.0002 U	0.0005 U	0.0028 U	0.0009 J	0.270	0.004 U	0.0023 J	0.00006 U	0.0045 J	0.296	0.0006 U	0.001 U
MW-7	C	09/07/2023	A6D	0.0004 U	0.0006 J	0.0388	0.0002 U	0.0002 U	0.0007 U	0.001 UJ	0.300	0.0006 U	0.0023 J	0.00006 U	0.00350	0.733	0.0006 U	0.001 U
MW-7	C	11/27/2023	A6DR	0.0004 U	0.00100	0.0605	0.0002 U	0.0002 U	0.0007 U	0.00120	0.280	0.0006 U	0.0028 J	0.00006 U	0.00230	--	0.0006 U	0.001 U
MW-7S	C	02/01/2023	A6	0.0004 U	0.0100	0.0471	0.0002 U	0.0002 U	0.0007 U	0.00120	0.310	0.0006 U	0.0014 U	0.00006 U	0.0006 U	1.19	0.0006 U	0.001 U
MW-7S	C	--	A6D	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7S	C	11/27/2023	A6DR	0.0004 U	0.00950	0.0359	0.0002 U	0.0002 U	0.0007 U	0.00120	0.290	0.0006 U	0.0015 U	0.00006 U	0.0014 J	--	0.0006 U	0.001 U



**TABLE 3**  
**ANALYTICAL RESULTS - APPENDIX IV PARAMETERS**  
 2023 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-8	C	02/01/2023	A6	0.0004 U	0.0004 U	0.0170	0.0002 U	0.0002 U	0.0007 U	0.0001 U	0.220	0.0006 U	0.0014 U	0.00006 U	0.0006 U	0.219	0.0006 U	0.001 U
MW-8	C	06/12/2023	A6R	0.0004 U	0.0087 U	0.0264	0.0002 U	0.0005 U	0.0028 U	0.00120 J	0.220	0.004 U	0.0017 J	0.00006 U	0.0037 U	0.990	0.0006 U	0.001 U
MW-8	C	09/07/2023	A6D	0.0004 U	0.0004 U	0.0278	0.0002 U	0.0002 U	0.0007 UJ	0.00120	0.230	0.0006 U	0.0017 J	0.00006 U	0.0006 U	0.438	0.0006 U	0.001 U
MW-8	C	11/28/2023	A6DR	0.0004 U	0.0004 U	0.0311	0.0002 U	0.0002 U	0.0007 U	0.00130	0.230	0.0006 U	0.0019 J	0.00006 U	0.0006 U	--	0.0006 U	0.001 U
MW-11	C	01/30/2023	A6	0.0004 U	0.00320	0.102	0.0002 U	0.0002 U	0.0007 U	0.0001 U	0.480	0.0006 U	0.0014 U	0.00006 U	0.00210	0.831	0.0006 U	0.001 U
MW-11	C	06/12/2023	A6R	0.0004 U	0.0087 U	0.126	0.0002 U	0.0005 U	0.0028 U	0.0005 J	0.480	0.004 U	0.0022 J	0.00006 U	0.0037 U	1.54	0.00110	0.001 U
MW-11	C	09/05/2023	A6D	0.0004 U	0.00170	0.128	0.0002 U	0.0002 U	0.001 U	0.001 UJ	0.560	0.0006 U	0.0024 J	0.00006 U	0.00480	0.645	0.0006 U	0.001 U
MW-11	C	11/28/2023	A6DR	0.00260	0.00220	0.137	0.0002 U	0.0002 U	0.0007 U	0.0006 J	0.520	0.0006 U	0.0025 J	0.00006 U	0.00310	--	0.0009 J	0.001 U
MW-12	C	02/01/2023	A6	0.0004 U	0.0004 U	0.0708	0.0002 U	0.0002 U	0.0007 U	0.0001 U	0.200	0.0006 U	0.00780	0.00006 U	0.0006 U	2.31	0.0006 U	0.001 U
MW-12	C	06/13/2023	A6R	0.0004 U	0.0087 U	0.0944	0.0002 U	0.0005 U	0.0028 U	0.0005 U	0.200	0.004 U	0.0102	0.00006 U	0.0037 U	1.52	0.0006 U	0.001 U
MW-12	C	09/07/2023	A6D	0.0004 U	0.0004 U	0.0866	0.0002 U	0.0002 U	0.0007 U	0.001 UJ	0.200	0.0006 U	0.00890	0.00006 U	0.0006 U	0.764	0.0006 U	0.001 U
MW-12	C	11/28/2023	A6DR	0.00220	0.00110	0.0889	0.0002 U	0.0002 U	0.0007 J	0.0002 J	0.260	0.0006 U	0.0100	0.00006 U	0.00170	--	0.0006 U	0.001 U
MW-20	C	01/31/2023	A6	0.0004 U	0.0004 U	0.0773	0.0002 U	0.0002 U	0.0007 U	0.0001 U	0.340	0.0006 U	0.00400	0.00006 U	0.00310	0.317	0.0006 U	0.001 U
MW-20	C	06/13/2023	A6R	0.0004 U	0.0087 U	0.121	0.0002 U	0.0005 U	0.0028 U	0.00110	0.360	0.004 U	0.00500	0.00006 U	0.0041 J	0.742	0.0006 U	0.001 U
MW-20	C	09/06/2023	A6D	0.0004 U	0.0006 J	0.105	0.0002 U	0.0002 U	0.0007 U	0.001 UJ	0.390	0.0006 U	0.00460	0.00006 U	0.00430	0.490	0.0006 U	0.001 U
MW-20	C	11/28/2023	A6DR	0.00220	0.00170	0.103	0.0002 U	0.0002 U	0.0011 J	0.0006 J	0.380	0.0006 U	0.00490	0.00006 U	0.00340	--	0.0006 U	0.001 U
MW-20S	C	01/31/2023	A6	0.0004 U	0.0004 U	0.0352	0.0002 U	0.0002 U	0.0007 U	0.0001 U	0.170	0.0006 U	0.0014 U	0.00006 U	0.0006 U	0.601	0.0006 U	0.001 U
MW-20S	C	06/13/2023	A6R	0.0004 U	0.0087 U	0.0370	0.0002 U	0.0005 U	0.0028 U	0.0005 U	0.190	0.004 U	0.0015 U	0.00006 U	0.0037 U	0	0.0006 U	0.001 U
MW-20S	C	09/06/2023	A6D	0.0004 U	0.0006 J	0.0346	0.0002 U	0.0002 U	0.0007 UJ	0.001 UJ	0.220	0.0006 U	0.0015 U	0.00006 U	0.0006 U	0.623	0.0006 U	0.001 U
MW-20S	C	11/28/2023	A6DR	0.00110	0.0004 J	0.0438	0.0002 U	0.0002 U	0.00150	0.0003 J	0.210	0.0006 U	0.0015 U	0.00006 U	0.0009 J	--	0.0006 U	0.001 U
MW-23	C	01/31/2023	A6	0.0004 U	0.0004 U	0.0951	0.0002 U	0.0002 U	0.0007 U	0.00100	0.330	0.0006 U	0.0014 U	0.00006 U	0.0006 U	0.164	0.0006 U	0.001 U
MW-23	C	06/12/2023	A6R	0.0004 U	0.0087 U	0.102	0.0002 U	0.0005 U	0.0028 U	0.0008 J	0.360	0.004 U	0.0015 U	0.00006 U	0.0037 U	0.923	0.0006 U	0.001 U
MW-23	C	09/05/2023	A6D	0.0004 U	0.00140	0.0980	0.0002 U	0.0002 U	0.001 U	0.001 UJ	0.400	0.0006 U	0.0015 U	0.00006 U	0.002 UJ	0.593	0.0006 U	0.001 U
MW-23	C	11/28/2023	A6DR	0.0007 J	0.00210	0.0985	0.0002 U	0.0002 U	0.0007 U	0.00130	0.390	0.0006 U	0.0015 U	0.00006 U	0.0012 J	--	0.0006 U	0.001 U
MW-27	C	02/01/2023	A6	0.0004 U	0.00290	0.0539	0.0002 U	0.0002 U	0.0007 U	0.00140	0.220	0.0006 U	0.0014 U	0.00006 U	0.0006 U	0.738	0.0006 U	0.001 U
MW-28	C	02/01/2023	A6	0.0004 U	0.0004 U	0.0243	0.0002 U	0.0002 U	0.0007 U	0.0001 U	0.140	0.0006 U	0.00570	0.00008 U	0.0006 U	0.186	0.0006 U	0.001 U
MW-28	C	06/13/2023	A6R	0.0004 U	0.0087 U	0.0271	0.0002 U	0.0005 U	0.0028 U	0.0007 J	0.130	0.004 U	0.00610	0.00006 U	0.0037 U	0.494	0.0006 U	0.001 U

**TABLE 3**  
**ANALYTICAL RESULTS - APPENDIX IV PARAMETERS**  
 2023 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-28	C	09/06/2023	A6D	0.0004 U	0.0004 J	0.0233	0.0002 U	0.0002 U	0.0007 U	0.001 UJ	0.150	0.0006 U	0.00630	0.00006 U	0.00450	0.558	0.0006 U	0.001 U
MW-28	C	11/28/2023	A6DR	0.0005 J	0.0005 J	0.0282	0.0002 U	0.0002 U	0.0007 U	0.0007 J	0.150	0.0006 U	0.00610	0.00006 U	0.0006 U	--	0.0006 U	0.001 U
MW-30	C	01/31/2023	A6	0.0004 U	0.00270	0.151	0.0002 U	0.0002 U	0.0007 U	0.00200	0.310	0.0006 U	0.0014 U	0.00006 U	0.00180	1.31	0.0006 U	0.001 U
MW-30	C	06/13/2023	A6R	0.0004 U	0.0087 U	0.170	0.0002 U	0.0005 U	0.0028 U	0.00270	0.300	0.004 U	0.0015 U	0.00006 U	0.0037 U	0.453	0.0006 U	0.001 U
MW-30	C	09/06/2023	A6D	0.0004 U	0.00680	0.164	0.0002 U	0.0002 U	0.0007 U	0.00210	0.330	0.0006 U	0.0015 U	0.00006 U	0.00220	0.585	0.0006 U	0.001 U
MW-30	C	11/28/2023	A6DR	0.00100	0.00480	0.163	0.0002 U	0.0002 U	0.0007 J	0.00210	0.350	0.0006 U	0.0015 U	0.00006 U	0.00180	--	0.0006 U	0.001 U
MW-31	C	01/31/2023	A6	0.0004 U	0.00220	0.202	0.0002 U	0.0002 U	0.0007 U	0.0001 U	0.170	0.0006 U	0.00470	0.00006 U	0.0006 U	1.06	0.0006 U	0.001 U
MW-31	C	06/13/2023	A6R	0.0004 U	0.0087 U	0.230	0.0002 U	0.0005 U	0.0028 U	0.00100 J	0.160	0.004 U	0.00520	0.00006 U	0.0037 U	0.568	0.0006 U	0.001 U
MW-31	C	09/06/2023	A6D	0.0004 U	0.00230	0.206	0.0002 U	0.0002 U	0.0007 UJ	0.001 UJ	0.180	0.0006 U	0.00370	0.00006 U	0.002 UJ	0.656	0.0006 U	0.001 U
MW-31	C	11/27/2023	A6DR	0.0006 J	0.00270	0.269	0.0002 U	0.0002 U	0.0007 U	0.0008 J	0.170	0.0006 U	0.00590	0.00006 UJ	0.0006 J	--	0.0006 U	0.001 U
MW-31S	C	01/31/2023	A6	0.0004 U	0.00500	0.155	0.0002 U	0.0002 U	0.0007 U	0.00210	0.300	0.0006 U	0.0014 U	0.00006 U	0.0006 U	0.408	0.0006 U	0.001 U
MW-31S	C	09/06/2023	A6D	0.0004 U	0.0182	0.254	0.0002 U	0.0002 U	0.0007 UJ	0.00410	--	0.00240	0.0015 U	0.00006 U	0.002 UJ	--	0.0006 U	0.001 U
MW-31S	C	11/27/2023	A6DR	0.0005 J	0.0147	0.373	0.0002 U	0.0002 U	0.0007 U	0.00420	0.310	0.00100	0.0015 U	0.00006 U	0.0009 J	--	0.0009 J	0.001 U
MW-32	C	01/31/2023	A6	0.0004 U	0.0004 U	0.0474	0.0002 U	0.0002 U	0.0007 U	0.0001 U	0.170	0.0006 U	0.0014 U	0.00006 U	0.0006 U	0	0.0006 U	0.001 U
MW-32	C	06/13/2023	A6R	0.0004 U	0.0087 U	0.0570	0.0002 U	0.0005 U	0.0028 U	0.0009 J	0.170	0.004 U	0.0015 J	0.00006 U	0.0037 U	0.243	0.0006 U	0.001 U
MW-32	C	09/06/2023	A6D	0.0004 U	0.0005 J	0.0518	0.0002 U	0.0002 U	0.0007 U	0.001 UJ	0.190	0.0006 U	0.0015 U	0.00006 U	0.0006 U	0.704	0.0006 U	0.001 U
MW-32	C	11/27/2023	A6DR	0.0004 U	0.0004 U	0.0505	0.0002 U	0.0002 U	0.0007 U	0.0005 J	0.170	0.0006 U	0.0015 U	0.00006 U	0.0006 U	--	0.0006 U	0.001 U
PZ-4C	C	01/31/2023	A6	0.0018 U	0.0304	1.82	0.00420	0.00150	0.158	0.0719	0.430	0.195	0.141	0.000240	0.0195	5.06	0.0024 U	0.0038 U
PZ-4C	C	06/13/2023	A6R	0.0005 J	0.0087 U	0.274	0.0002 U	0.0005 U	0.0028 U	0.0005 U	0.380	0.004 U	0.00640	0.00006 U	0.0037 U	0.426	0.0006 U	0.001 U
PZ-4C	C	--	A6D	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PZ-4C	C	11/28/2023	A6DR	0.00140	0.00130	0.277	0.0002 U	0.0002 U	0.0011 J	0.0003 J	0.400	0.0006 U	0.00770	0.00006 U	0.0009 J	--	0.0006 U	0.001 U

**TABLE 3**  
**ANALYTICAL RESULTS - APPENDIX IV PARAMETERS**  
2023 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT  
KINCAID POWER PLANT  
ASH POND  
KINCAID, IL

**Notes:**

- = no data available

ID = identification

mg/L = milligrams per liter

pCi/L = picoCuries per liter

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.

Well Type:

B = Background

C = Compliance

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**TABLE 4**  
**STATISTICAL BACKGROUND VALUES**  
 2023 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**  
 2023 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**  
 2023 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	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-3	UA	A6	Antimony, total	mg/L	12/15/2015 - 01/31/2023	23	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-3	UA	A6R	Antimony, total	mg/L	12/15/2015 - 06/13/2023	24	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-3	UA	A6D	Antimony, total	mg/L	12/15/2015 - 09/05/2023	25	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-3	UA	A6DR	Antimony, total	mg/L	12/15/2015 - 11/28/2023	26	96	CI around median	0.001	0.006	MCL/HBL	No Exceedance
MW-3	UA	A6	Arsenic, total	mg/L	12/15/2015 - 01/31/2023	23	100	All ND - Last	0.001	0.010	MCL/HBL	No Exceedance
MW-3	UA	A6R	Arsenic, total	mg/L	12/15/2015 - 06/13/2023	24	100	All ND - Last	0.01	0.010	MCL/HBL	No Exceedance
MW-3	UA	A6D	Arsenic, total	mg/L	12/15/2015 - 09/05/2023	25	100	All ND - Last	0.001	0.010	MCL/HBL	No Exceedance
MW-3	UA	A6DR	Arsenic, total	mg/L	12/15/2015 - 11/28/2023	26	100	All ND - Last	0.001	0.010	MCL/HBL	No Exceedance
MW-3	UA	A6	Barium, total	mg/L	12/15/2015 - 01/31/2023	23	0	CI around median	0.0461	2.0	MCL/HBL	No Exceedance
MW-3	UA	A6R	Barium, total	mg/L	12/15/2015 - 06/13/2023	24	0	CI around median	0.0461	2.0	MCL/HBL	No Exceedance
MW-3	UA	A6D	Barium, total	mg/L	12/15/2015 - 09/05/2023	25	0	CI around median	0.0453	2.0	MCL/HBL	No Exceedance
MW-3	UA	A6DR	Barium, total	mg/L	12/15/2015 - 11/28/2023	26	0	CI around median	0.0461	2.0	MCL/HBL	No Exceedance
MW-3	UA	A6	Beryllium, total	mg/L	12/15/2015 - 01/31/2023	23	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-3	UA	A6R	Beryllium, total	mg/L	12/15/2015 - 06/13/2023	24	100	All ND - Last	0.0005	0.004	MCL/HBL	No Exceedance
MW-3	UA	A6D	Beryllium, total	mg/L	12/15/2015 - 09/05/2023	25	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-3	UA	A6DR	Beryllium, total	mg/L	12/15/2015 - 11/28/2023	26	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-3	UA	A6	Cadmium, total	mg/L	12/15/2015 - 01/31/2023	23	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-3	UA	A6R	Cadmium, total	mg/L	12/15/2015 - 06/13/2023	24	100	All ND - Last	0.002	0.005	MCL/HBL	No Exceedance
MW-3	UA	A6D	Cadmium, total	mg/L	12/15/2015 - 09/05/2023	25	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-3	UA	A6DR	Cadmium, total	mg/L	12/15/2015 - 11/28/2023	26	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-3	UA	A6	Chromium, total	mg/L	12/15/2015 - 01/31/2023	23	96	CB around T-S line	0.0015	0.1	MCL/HBL	No Exceedance
MW-3	UA	A6R	Chromium, total	mg/L	12/15/2015 - 06/13/2023	24	96	CB around T-S line	0.0015	0.1	MCL/HBL	No Exceedance
MW-3	UA	A6D	Chromium, total	mg/L	12/15/2015 - 09/05/2023	25	96	CB around T-S line	0.0015	0.1	MCL/HBL	No Exceedance
MW-3	UA	A6DR	Chromium, total	mg/L	12/15/2015 - 11/28/2023	26	96	CB around T-S line	0.0015	0.1	MCL/HBL	No Exceedance
MW-3	UA	A6	Cobalt, total	mg/L	12/15/2015 - 01/31/2023	23	87	CI around median	0.001	0.006	MCL/HBL	No Exceedance
MW-3	UA	A6R	Cobalt, total	mg/L	12/15/2015 - 06/13/2023	24	88	CI around median	0.001	0.006	MCL/HBL	No Exceedance
MW-3	UA	A6D	Cobalt, total	mg/L	12/15/2015 - 09/05/2023	25	88	CI around median	0.001	0.006	MCL/HBL	No Exceedance

**TABLE 6**  
**DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS**  
 2023 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	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-3	UA	A6DR	Cobalt, total	mg/L	12/15/2015 - 11/28/2023	26	88	CI around median	0.001	0.006	MCL/HBL	No Exceedance
MW-3	UA	A6	Fluoride, total	mg/L	12/15/2015 - 01/31/2023	23	0	CI around mean	0.242	4.0	MCL/HBL	No Exceedance
MW-3	UA	A6R	Fluoride, total	mg/L	12/15/2015 - 06/13/2023	24	0	CI around mean	0.242	4.0	MCL/HBL	No Exceedance
MW-3	UA	A6D	Fluoride, total	mg/L	12/15/2015 - 09/05/2023	25	0	CI around mean	0.243	4.0	MCL/HBL	No Exceedance
MW-3	UA	A6DR	Fluoride, total	mg/L	12/15/2015 - 11/28/2023	26	0	CI around mean	0.243	4.0	MCL/HBL	No Exceedance
MW-3	UA	A6	Lead, total	mg/L	12/15/2015 - 01/31/2023	23	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
MW-3	UA	A6R	Lead, total	mg/L	12/15/2015 - 06/13/2023	24	100	All ND - Last	0.0075	0.015	MCL/HBL	No Exceedance
MW-3	UA	A6D	Lead, total	mg/L	12/15/2015 - 09/05/2023	25	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
MW-3	UA	A6DR	Lead, total	mg/L	12/15/2015 - 11/28/2023	26	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
MW-3	UA	A6	Lithium, total	mg/L	02/25/2021 - 01/31/2023	9	89	CI around median	0.003	0.04	MCL/HBL	No Exceedance
MW-3	UA	A6R	Lithium, total	mg/L	02/25/2021 - 06/13/2023	10	90	CI around median	0.003	0.04	MCL/HBL	No Exceedance
MW-3	UA	A6D	Lithium, total	mg/L	02/25/2021 - 09/05/2023	11	91	CI around median	0.003	0.04	MCL/HBL	No Exceedance
MW-3	UA	A6DR	Lithium, total	mg/L	02/25/2021 - 11/28/2023	12	92	CI around median	0.003	0.04	MCL/HBL	No Exceedance
MW-3	UA	A6	Mercury, total	mg/L	12/15/2015 - 01/31/2023	23	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-3	UA	A6R	Mercury, total	mg/L	12/15/2015 - 06/13/2023	24	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-3	UA	A6D	Mercury, total	mg/L	12/15/2015 - 09/05/2023	25	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-3	UA	A6DR	Mercury, total	mg/L	12/15/2015 - 11/28/2023	26	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-3	UA	A6	Molybdenum, total	mg/L	02/25/2021 - 01/31/2023	9	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
MW-3	UA	A6R	Molybdenum, total	mg/L	02/25/2021 - 06/13/2023	10	100	All ND - Last	0.01	0.1	MCL/HBL	No Exceedance
MW-3	UA	A6D	Molybdenum, total	mg/L	02/25/2021 - 09/05/2023	11	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
MW-3	UA	A6DR	Molybdenum, total	mg/L	02/25/2021 - 11/28/2023	12	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
MW-3	UA	A6	Radium 226 + Radium 228, total	pCi/L	11/06/2017 - 01/31/2023	19	0	CI around mean	0.256	5	MCL/HBL	No Exceedance
MW-3	UA	A6R	Radium 226 + Radium 228, total	pCi/L	11/06/2017 - 06/13/2023	20	0	CI around median	0.195	5	MCL/HBL	No Exceedance
MW-3	UA	A6D	Radium 226 + Radium 228, total	pCi/L	11/06/2017 - 09/05/2023	21	0	CI around median	0.271	5	MCL/HBL	No Exceedance
MW-3	UA	A6DR	Radium 226 + Radium 228, total	pCi/L	11/06/2017 - 11/28/2023	22	0	CI around median	0.271	5	MCL/HBL	No Exceedance
MW-3	UA	A6	Selenium, total	mg/L	12/15/2015 - 01/31/2023	23	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-3	UA	A6R	Selenium, total	mg/L	12/15/2015 - 06/13/2023	24	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance

**TABLE 6**  
**DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS**  
 2023 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	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-3	UA	A6D	Selenium, total	mg/L	12/15/2015 - 09/05/2023	25	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-3	UA	A6DR	Selenium, total	mg/L	12/15/2015 - 11/28/2023	26	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-3	UA	A6	Thallium, total	mg/L	12/15/2015 - 01/31/2023	23	96	CB around T-S line	0.002	0.002	MCL/HBL	No Exceedance
MW-3	UA	A6R	Thallium, total	mg/L	12/15/2015 - 06/13/2023	24	96	CB around T-S line	0.002	0.002	MCL/HBL	No Exceedance
MW-3	UA	A6D	Thallium, total	mg/L	12/15/2015 - 09/05/2023	25	96	CB around T-S line	0.002	0.002	MCL/HBL	No Exceedance
MW-3	UA	A6DR	Thallium, total	mg/L	12/15/2015 - 11/28/2023	26	96	CB around T-S line	0.002	0.002	MCL/HBL	No Exceedance
MW-5	UA	A6	Antimony, total	mg/L	12/15/2015 - 01/31/2023	25	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-5	UA	A6R	Antimony, total	mg/L	12/15/2015 - 06/13/2023	26	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-5	UA	A6D	Antimony, total	mg/L	12/15/2015 - 09/06/2023	27	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-5	UA	A6DR	Antimony, total	mg/L	12/15/2015 - 11/27/2023	28	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-5	UA	A6	Arsenic, total	mg/L	12/15/2015 - 01/31/2023	27	89	CI around median	0.001	0.010	MCL/HBL	No Exceedance
MW-5	UA	A6R	Arsenic, total	mg/L	12/15/2015 - 06/13/2023	28	89	CI around median	0.001	0.010	MCL/HBL	No Exceedance
MW-5	UA	A6D	Arsenic, total	mg/L	12/15/2015 - 09/06/2023	29	90	CI around median	0.001	0.010	MCL/HBL	No Exceedance
MW-5	UA	A6DR	Arsenic, total	mg/L	12/15/2015 - 11/27/2023	30	87	CB around T-S line	0.001	0.010	MCL/HBL	No Exceedance
MW-5	UA	A6	Barium, total	mg/L	12/15/2015 - 01/31/2023	27	0	CI around mean	0.142	2.0	MCL/HBL	No Exceedance
MW-5	UA	A6R	Barium, total	mg/L	12/15/2015 - 06/13/2023	28	0	CI around mean	0.142	2.0	MCL/HBL	No Exceedance
MW-5	UA	A6D	Barium, total	mg/L	12/15/2015 - 09/06/2023	29	0	CI around mean	0.142	2.0	MCL/HBL	No Exceedance
MW-5	UA	A6DR	Barium, total	mg/L	12/15/2015 - 11/27/2023	30	0	CI around mean	0.143	2.0	MCL/HBL	No Exceedance
MW-5	UA	A6	Beryllium, total	mg/L	12/15/2015 - 01/31/2023	25	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-5	UA	A6R	Beryllium, total	mg/L	12/15/2015 - 06/13/2023	26	100	All ND - Last	0.0005	0.004	MCL/HBL	No Exceedance
MW-5	UA	A6D	Beryllium, total	mg/L	12/15/2015 - 09/06/2023	27	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-5	UA	A6DR	Beryllium, total	mg/L	12/15/2015 - 11/27/2023	28	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-5	UA	A6	Cadmium, total	mg/L	12/15/2015 - 01/31/2023	24	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-5	UA	A6R	Cadmium, total	mg/L	12/15/2015 - 06/13/2023	25	100	All ND - Last	0.002	0.005	MCL/HBL	No Exceedance
MW-5	UA	A6D	Cadmium, total	mg/L	12/15/2015 - 09/06/2023	26	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-5	UA	A6DR	Cadmium, total	mg/L	12/15/2015 - 11/27/2023	27	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-5	UA	A6	Chromium, total	mg/L	12/15/2015 - 01/31/2023	27	96	CB around T-S line	0.00145	0.1	MCL/HBL	No Exceedance



**TABLE 6**  
**DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS**  
2023 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	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-5	UA	A6R	Chromium, total	mg/L	12/15/2015 - 06/13/2023	28	96	CB around T-S line	0.0015	0.1	MCL/HBL	No Exceedance
MW-5	UA	A6D	Chromium, total	mg/L	12/15/2015 - 09/06/2023	29	97	CB around T-S line	0.0015	0.1	MCL/HBL	No Exceedance
MW-5	UA	A6DR	Chromium, total	mg/L	12/15/2015 - 11/27/2023	30	97	CB around T-S line	0.0015	0.1	MCL/HBL	No Exceedance
MW-5	UA	A6	Cobalt, total	mg/L	12/15/2015 - 01/31/2023	27	89	CI around median	0.001	0.006	MCL/HBL	No Exceedance
MW-5	UA	A6R	Cobalt, total	mg/L	12/15/2015 - 06/13/2023	28	89	CI around median	0.001	0.006	MCL/HBL	No Exceedance
MW-5	UA	A6D	Cobalt, total	mg/L	12/15/2015 - 09/06/2023	29	90	CI around median	0.001	0.006	MCL/HBL	No Exceedance
MW-5	UA	A6DR	Cobalt, total	mg/L	12/15/2015 - 11/27/2023	30	90	CI around median	0.001	0.006	MCL/HBL	No Exceedance
MW-5	UA	A6	Fluoride, total	mg/L	12/15/2015 - 01/31/2023	27	3.7	CI around median	0.16	4.0	MCL/HBL	No Exceedance
MW-5	UA	A6R	Fluoride, total	mg/L	12/15/2015 - 06/13/2023	28	3.6	CB around T-S line	0.16	4.0	MCL/HBL	No Exceedance
MW-5	UA	A6D	Fluoride, total	mg/L	12/15/2015 - 09/06/2023	29	3.4	CB around T-S line	0.16	4.0	MCL/HBL	No Exceedance
MW-5	UA	A6DR	Fluoride, total	mg/L	12/15/2015 - 11/27/2023	30	3.3	CB around T-S line	0.16	4.0	MCL/HBL	No Exceedance
MW-5	UA	A6	Lead, total	mg/L	12/15/2015 - 01/31/2023	27	96	CI around median	0.001	0.015	MCL/HBL	No Exceedance
MW-5	UA	A6R	Lead, total	mg/L	12/15/2015 - 06/13/2023	28	96	CI around median	0.001	0.015	MCL/HBL	No Exceedance
MW-5	UA	A6D	Lead, total	mg/L	12/15/2015 - 09/06/2023	29	97	CI around median	0.001	0.015	MCL/HBL	No Exceedance
MW-5	UA	A6DR	Lead, total	mg/L	12/15/2015 - 11/27/2023	30	97	CI around median	0.001	0.015	MCL/HBL	No Exceedance
MW-5	UA	A6	Lithium, total	mg/L	12/15/2015 - 01/31/2023	19	32	CB around linear reg	0.0029	0.04	MCL/HBL	No Exceedance
MW-5	UA	A6R	Lithium, total	mg/L	12/15/2015 - 06/13/2023	20	30	CB around linear reg	0.0029	0.04	MCL/HBL	No Exceedance
MW-5	UA	A6D	Lithium, total	mg/L	12/15/2015 - 09/06/2023	21	33	CI around mean	0.00269	0.04	MCL/HBL	No Exceedance
MW-5	UA	A6DR	Lithium, total	mg/L	12/15/2015 - 11/27/2023	22	36	CI around median	0.0029	0.04	MCL/HBL	No Exceedance
MW-5	UA	A6	Mercury, total	mg/L	12/15/2015 - 01/31/2023	24	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-5	UA	A6R	Mercury, total	mg/L	12/15/2015 - 06/13/2023	25	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-5	UA	A6D	Mercury, total	mg/L	12/15/2015 - 09/06/2023	26	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-5	UA	A6DR	Mercury, total	mg/L	12/15/2015 - 11/27/2023	27	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-5	UA	A6	Molybdenum, total	mg/L	12/15/2015 - 01/31/2023	19	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
MW-5	UA	A6R	Molybdenum, total	mg/L	12/15/2015 - 06/13/2023	20	100	All ND - Last	0.01	0.1	MCL/HBL	No Exceedance
MW-5	UA	A6D	Molybdenum, total	mg/L	12/15/2015 - 09/06/2023	21	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
MW-5	UA	A6DR	Molybdenum, total	mg/L	12/15/2015 - 11/27/2023	22	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance

**TABLE 6**  
**DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS**  
 2023 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	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-5	UA	A6	Radium 226 + Radium 228, total	pCi/L	12/15/2015 - 01/31/2023	28	0	CI around median	0.23	5	MCL/HBL	No Exceedance
MW-5	UA	A6R	Radium 226 + Radium 228, total	pCi/L	12/15/2015 - 06/13/2023	29	0	CI around median	0.265	5	MCL/HBL	No Exceedance
MW-5	UA	A6D	Radium 226 + Radium 228, total	pCi/L	12/15/2015 - 09/06/2023	30	0	CI around median	0.265	5	MCL/HBL	No Exceedance
MW-5	UA	A6DR	Radium 226 + Radium 228, total	pCi/L	12/15/2015 - 11/27/2023	31	0	CI around median	0.3	5	MCL/HBL	No Exceedance
MW-5	UA	A6	Selenium, total	mg/L	12/15/2015 - 01/31/2023	27	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-5	UA	A6R	Selenium, total	mg/L	12/15/2015 - 06/13/2023	28	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-5	UA	A6D	Selenium, total	mg/L	12/15/2015 - 09/06/2023	29	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-5	UA	A6DR	Selenium, total	mg/L	12/15/2015 - 11/27/2023	30	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-5	UA	A6	Thallium, total	mg/L	12/15/2015 - 01/31/2023	24	96	CB around T-S line	0.0018	0.002	MCL/HBL	No Exceedance
MW-5	UA	A6R	Thallium, total	mg/L	12/15/2015 - 06/13/2023	25	96	CB around T-S line	0.0018	0.002	MCL/HBL	No Exceedance
MW-5	UA	A6D	Thallium, total	mg/L	12/15/2015 - 09/06/2023	26	96	CB around T-S line	0.00183	0.002	MCL/HBL	No Exceedance
MW-5	UA	A6DR	Thallium, total	mg/L	12/15/2015 - 11/27/2023	27	96	CB around T-S line	0.00184	0.002	MCL/HBL	No Exceedance
MW-6	UA	A6	Antimony, total	mg/L	12/15/2015 - 02/01/2023	25	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-6	UA	A6R	Antimony, total	mg/L	12/15/2015 - 06/13/2023	26	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-6	UA	A6D	Antimony, total	mg/L	12/15/2015 - 09/06/2023	27	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-6	UA	A6DR	Antimony, total	mg/L	12/15/2015 - 11/28/2023	28	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-6	UA	A6	Arsenic, total	mg/L	12/15/2015 - 02/01/2023	27	100	All ND - Last	0.001	0.010	MCL/HBL	No Exceedance
MW-6	UA	A6R	Arsenic, total	mg/L	12/15/2015 - 06/13/2023	28	100	All ND - Last	0.01	0.010	MCL/HBL	No Exceedance
MW-6	UA	A6D	Arsenic, total	mg/L	12/15/2015 - 09/06/2023	29	100	All ND - Last	0.001	0.010	MCL/HBL	No Exceedance
MW-6	UA	A6DR	Arsenic, total	mg/L	12/15/2015 - 11/28/2023	30	100	All ND - Last	0.001	0.010	MCL/HBL	No Exceedance
MW-6	UA	A6	Barium, total	mg/L	12/15/2015 - 02/01/2023	27	0	CI around mean	0.0335	2.0	MCL/HBL	No Exceedance
MW-6	UA	A6R	Barium, total	mg/L	12/15/2015 - 06/13/2023	28	0	CI around mean	0.0338	2.0	MCL/HBL	No Exceedance
MW-6	UA	A6D	Barium, total	mg/L	12/15/2015 - 09/06/2023	29	0	CB around T-S line	0.0362	2.0	MCL/HBL	No Exceedance
MW-6	UA	A6DR	Barium, total	mg/L	12/15/2015 - 11/28/2023	30	0	CB around T-S line	0.036	2.0	MCL/HBL	No Exceedance
MW-6	UA	A6	Beryllium, total	mg/L	12/15/2015 - 02/01/2023	25	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-6	UA	A6R	Beryllium, total	mg/L	12/15/2015 - 06/13/2023	26	100	All ND - Last	0.0005	0.004	MCL/HBL	No Exceedance
MW-6	UA	A6D	Beryllium, total	mg/L	12/15/2015 - 09/06/2023	27	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance

**TABLE 6**  
**DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS**  
 2023 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	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-6	UA	A6DR	Beryllium, total	mg/L	12/15/2015 - 11/28/2023	28	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-6	UA	A6	Cadmium, total	mg/L	12/15/2015 - 02/01/2023	24	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-6	UA	A6R	Cadmium, total	mg/L	12/15/2015 - 06/13/2023	25	100	All ND - Last	0.002	0.005	MCL/HBL	No Exceedance
MW-6	UA	A6D	Cadmium, total	mg/L	12/15/2015 - 09/06/2023	26	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-6	UA	A6DR	Cadmium, total	mg/L	12/15/2015 - 11/28/2023	27	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-6	UA	A6	Chromium, total	mg/L	12/15/2015 - 02/01/2023	27	89	CB around T-S line	0.00143	0.1	MCL/HBL	No Exceedance
MW-6	UA	A6R	Chromium, total	mg/L	12/15/2015 - 06/13/2023	28	89	CB around T-S line	0.00149	0.1	MCL/HBL	No Exceedance
MW-6	UA	A6D	Chromium, total	mg/L	12/15/2015 - 09/06/2023	29	86	CB around T-S line	0.0015	0.1	MCL/HBL	No Exceedance
MW-6	UA	A6DR	Chromium, total	mg/L	12/15/2015 - 11/28/2023	30	87	CB around T-S line	0.0015	0.1	MCL/HBL	No Exceedance
MW-6	UA	A6	Cobalt, total	mg/L	12/15/2015 - 02/01/2023	27	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-6	UA	A6R	Cobalt, total	mg/L	12/15/2015 - 06/13/2023	28	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-6	UA	A6D	Cobalt, total	mg/L	12/15/2015 - 09/06/2023	29	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-6	UA	A6DR	Cobalt, total	mg/L	12/15/2015 - 11/28/2023	30	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-6	UA	A6	Fluoride, total	mg/L	12/15/2015 - 02/01/2023	27	0	CI around mean	0.184	4.0	MCL/HBL	No Exceedance
MW-6	UA	A6R	Fluoride, total	mg/L	12/15/2015 - 06/13/2023	28	0	CB around linear reg	0.19	4.0	MCL/HBL	No Exceedance
MW-6	UA	A6D	Fluoride, total	mg/L	12/15/2015 - 09/06/2023	29	0	CB around linear reg	0.194	4.0	MCL/HBL	No Exceedance
MW-6	UA	A6DR	Fluoride, total	mg/L	12/15/2015 - 11/28/2023	30	0	CB around linear reg	0.194	4.0	MCL/HBL	No Exceedance
MW-6	UA	A6	Lead, total	mg/L	12/15/2015 - 02/01/2023	27	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
MW-6	UA	A6R	Lead, total	mg/L	12/15/2015 - 06/13/2023	28	100	All ND - Last	0.0075	0.015	MCL/HBL	No Exceedance
MW-6	UA	A6D	Lead, total	mg/L	12/15/2015 - 09/06/2023	29	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
MW-6	UA	A6DR	Lead, total	mg/L	12/15/2015 - 11/28/2023	30	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
MW-6	UA	A6	Lithium, total	mg/L	12/15/2015 - 02/01/2023	19	84	CB around T-S line	0.00233	0.04	MCL/HBL	No Exceedance
MW-6	UA	A6R	Lithium, total	mg/L	12/15/2015 - 06/13/2023	20	85	CB around T-S line	0.00223	0.04	MCL/HBL	No Exceedance
MW-6	UA	A6D	Lithium, total	mg/L	12/15/2015 - 09/06/2023	21	86	CB around T-S line	0.00266	0.04	MCL/HBL	No Exceedance
MW-6	UA	A6DR	Lithium, total	mg/L	12/15/2015 - 11/28/2023	22	86	CB around T-S line	0.00212	0.04	MCL/HBL	No Exceedance
MW-6	UA	A6	Mercury, total	mg/L	12/15/2015 - 02/01/2023	24	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-6	UA	A6R	Mercury, total	mg/L	12/15/2015 - 06/13/2023	25	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance

**TABLE 6**  
**DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS**  
 2023 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	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-6	UA	A6D	Mercury, total	mg/L	12/15/2015 - 09/06/2023	26	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-6	UA	A6DR	Mercury, total	mg/L	12/15/2015 - 11/28/2023	27	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-6	UA	A6	Molybdenum, total	mg/L	12/15/2015 - 02/01/2023	19	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
MW-6	UA	A6R	Molybdenum, total	mg/L	12/15/2015 - 06/13/2023	20	100	All ND - Last	0.01	0.1	MCL/HBL	No Exceedance
MW-6	UA	A6D	Molybdenum, total	mg/L	12/15/2015 - 09/06/2023	21	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
MW-6	UA	A6DR	Molybdenum, total	mg/L	12/15/2015 - 11/28/2023	22	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
MW-6	UA	A6	Radium 226 + Radium 228, total	pCi/L	12/15/2015 - 02/01/2023	28	0	CI around geomean	0.226	5	MCL/HBL	No Exceedance
MW-6	UA	A6R	Radium 226 + Radium 228, total	pCi/L	12/15/2015 - 06/13/2023	29	0	CI around median	0.35	5	MCL/HBL	No Exceedance
MW-6	UA	A6D	Radium 226 + Radium 228, total	pCi/L	12/15/2015 - 09/06/2023	30	0	CI around median	0.35	5	MCL/HBL	No Exceedance
MW-6	UA	A6DR	Radium 226 + Radium 228, total	pCi/L	12/15/2015 - 11/28/2023	31	0	CI around median	0.37	5	MCL/HBL	No Exceedance
MW-6	UA	A6	Selenium, total	mg/L	12/15/2015 - 02/01/2023	27	93	CI around median	0.001	0.05	MCL/HBL	No Exceedance
MW-6	UA	A6R	Selenium, total	mg/L	12/15/2015 - 06/13/2023	28	93	CI around median	0.001	0.05	MCL/HBL	No Exceedance
MW-6	UA	A6D	Selenium, total	mg/L	12/15/2015 - 09/06/2023	29	93	CI around median	0.001	0.05	MCL/HBL	No Exceedance
MW-6	UA	A6DR	Selenium, total	mg/L	12/15/2015 - 11/28/2023	30	93	CI around median	0.001	0.05	MCL/HBL	No Exceedance
MW-6	UA	A6	Thallium, total	mg/L	12/15/2015 - 02/01/2023	24	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-6	UA	A6R	Thallium, total	mg/L	12/15/2015 - 06/13/2023	25	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-6	UA	A6D	Thallium, total	mg/L	12/15/2015 - 09/06/2023	26	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-6	UA	A6DR	Thallium, total	mg/L	12/15/2015 - 11/28/2023	27	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-7	UA	A6	Antimony, total	mg/L	12/15/2015 - 02/01/2023	25	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-7	UA	A6R	Antimony, total	mg/L	12/15/2015 - 06/12/2023	26	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-7	UA	A6D	Antimony, total	mg/L	12/15/2015 - 09/07/2023	27	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-7	UA	A6DR	Antimony, total	mg/L	12/15/2015 - 11/27/2023	28	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-7	UA	A6	Arsenic, total	mg/L	12/15/2015 - 02/01/2023	27	70	CI around median	0.001	0.010	MCL/HBL	No Exceedance
MW-7	UA	A6R	Arsenic, total	mg/L	12/15/2015 - 06/12/2023	28	71	CI around median	0.001	0.010	MCL/HBL	No Exceedance
MW-7	UA	A6D	Arsenic, total	mg/L	12/15/2015 - 09/07/2023	29	72	CI around median	0.001	0.010	MCL/HBL	No Exceedance
MW-7	UA	A6DR	Arsenic, total	mg/L	12/15/2015 - 11/27/2023	30	70	CI around median	0.001	0.010	MCL/HBL	No Exceedance
MW-7	UA	A6	Barium, total	mg/L	12/15/2015 - 02/01/2023	27	0	CI around mean	0.0479	2.0	MCL/HBL	No Exceedance

**TABLE 6**  
**DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS**  
 2023 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	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-7	UA	A6R	Barium, total	mg/L	12/15/2015 - 06/12/2023	28	0	CI around mean	0.0472	2.0	MCL/HBL	No Exceedance
MW-7	UA	A6D	Barium, total	mg/L	12/15/2015 - 09/07/2023	29	0	CB around linear reg	0.03	2.0	MCL/HBL	No Exceedance
MW-7	UA	A6DR	Barium, total	mg/L	12/15/2015 - 11/27/2023	30	0	CI around mean	0.0472	2.0	MCL/HBL	No Exceedance
MW-7	UA	A6	Beryllium, total	mg/L	12/15/2015 - 02/01/2023	25	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-7	UA	A6R	Beryllium, total	mg/L	12/15/2015 - 06/12/2023	26	100	All ND - Last	0.0005	0.004	MCL/HBL	No Exceedance
MW-7	UA	A6D	Beryllium, total	mg/L	12/15/2015 - 09/07/2023	27	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-7	UA	A6DR	Beryllium, total	mg/L	12/15/2015 - 11/27/2023	28	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-7	UA	A6	Cadmium, total	mg/L	12/15/2015 - 02/01/2023	24	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-7	UA	A6R	Cadmium, total	mg/L	12/15/2015 - 06/12/2023	25	100	All ND - Last	0.002	0.005	MCL/HBL	No Exceedance
MW-7	UA	A6D	Cadmium, total	mg/L	12/15/2015 - 09/07/2023	26	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-7	UA	A6DR	Cadmium, total	mg/L	12/15/2015 - 11/27/2023	27	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-7	UA	A6	Chromium, total	mg/L	12/15/2015 - 02/01/2023	27	93	CB around T-S line	0.00145	0.1	MCL/HBL	No Exceedance
MW-7	UA	A6R	Chromium, total	mg/L	12/15/2015 - 06/12/2023	28	93	CB around T-S line	0.0015	0.1	MCL/HBL	No Exceedance
MW-7	UA	A6D	Chromium, total	mg/L	12/15/2015 - 09/07/2023	29	93	CB around T-S line	0.0015	0.1	MCL/HBL	No Exceedance
MW-7	UA	A6DR	Chromium, total	mg/L	12/15/2015 - 11/27/2023	30	93	CB around T-S line	0.0015	0.1	MCL/HBL	No Exceedance
MW-7	UA	A6	Cobalt, total	mg/L	12/15/2015 - 02/01/2023	27	85	CI around median	0.001	0.006	MCL/HBL	No Exceedance
MW-7	UA	A6R	Cobalt, total	mg/L	12/15/2015 - 06/12/2023	28	86	CI around median	0.001	0.006	MCL/HBL	No Exceedance
MW-7	UA	A6D	Cobalt, total	mg/L	12/15/2015 - 09/07/2023	29	86	CI around median	0.001	0.006	MCL/HBL	No Exceedance
MW-7	UA	A6DR	Cobalt, total	mg/L	12/15/2015 - 11/27/2023	30	83	CI around median	0.001	0.006	MCL/HBL	No Exceedance
MW-7	UA	A6	Fluoride, total	mg/L	12/15/2015 - 02/01/2023	27	0	CI around mean	0.25	4.0	MCL/HBL	No Exceedance
MW-7	UA	A6R	Fluoride, total	mg/L	12/15/2015 - 06/12/2023	28	0	CI around mean	0.251	4.0	MCL/HBL	No Exceedance
MW-7	UA	A6D	Fluoride, total	mg/L	12/15/2015 - 09/07/2023	29	0	CI around mean	0.253	4.0	MCL/HBL	No Exceedance
MW-7	UA	A6DR	Fluoride, total	mg/L	12/15/2015 - 11/27/2023	30	0	CI around mean	0.254	4.0	MCL/HBL	No Exceedance
MW-7	UA	A6	Lead, total	mg/L	12/15/2015 - 02/01/2023	27	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
MW-7	UA	A6R	Lead, total	mg/L	12/15/2015 - 06/12/2023	28	100	All ND - Last	0.0075	0.015	MCL/HBL	No Exceedance
MW-7	UA	A6D	Lead, total	mg/L	12/15/2015 - 09/07/2023	29	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
MW-7	UA	A6DR	Lead, total	mg/L	12/15/2015 - 11/27/2023	30	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance

**TABLE 6**  
**DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS**  
 2023 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	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-7	UA	A6	Lithium, total	mg/L	12/15/2015 - 02/01/2023	19	26	CI around mean	0.00267	0.04	MCL/HBL	No Exceedance
MW-7	UA	A6R	Lithium, total	mg/L	12/15/2015 - 06/12/2023	20	30	CI around mean	0.00265	0.04	MCL/HBL	No Exceedance
MW-7	UA	A6D	Lithium, total	mg/L	12/15/2015 - 09/07/2023	21	33	CI around geomean	0.00263	0.04	MCL/HBL	No Exceedance
MW-7	UA	A6DR	Lithium, total	mg/L	12/15/2015 - 11/27/2023	22	36	CI around median	0.003	0.04	MCL/HBL	No Exceedance
MW-7	UA	A6	Mercury, total	mg/L	12/15/2015 - 02/01/2023	24	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-7	UA	A6R	Mercury, total	mg/L	12/15/2015 - 06/12/2023	25	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-7	UA	A6D	Mercury, total	mg/L	12/15/2015 - 09/07/2023	26	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-7	UA	A6DR	Mercury, total	mg/L	12/15/2015 - 11/27/2023	27	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-7	UA	A6	Molybdenum, total	mg/L	12/15/2015 - 02/01/2023	19	0	CI around mean	0.00254	0.1	MCL/HBL	No Exceedance
MW-7	UA	A6R	Molybdenum, total	mg/L	12/15/2015 - 06/12/2023	20	5.0	CI around mean	0.00258	0.1	MCL/HBL	No Exceedance
MW-7	UA	A6D	Molybdenum, total	mg/L	12/15/2015 - 09/07/2023	21	4.8	CI around mean	0.00262	0.1	MCL/HBL	No Exceedance
MW-7	UA	A6DR	Molybdenum, total	mg/L	12/15/2015 - 11/27/2023	22	4.5	CI around mean	0.0026	0.1	MCL/HBL	No Exceedance
MW-7	UA	A6	Radium 226 + Radium 228, total	pCi/L	12/15/2015 - 02/01/2023	28	0	CI around geomean	0.451	5	MCL/HBL	No Exceedance
MW-7	UA	A6R	Radium 226 + Radium 228, total	pCi/L	12/15/2015 - 06/12/2023	29	0	CI around geomean	0.442	5	MCL/HBL	No Exceedance
MW-7	UA	A6D	Radium 226 + Radium 228, total	pCi/L	12/15/2015 - 09/07/2023	30	0	CI around geomean	0.45	5	MCL/HBL	No Exceedance
MW-7	UA	A6DR	Radium 226 + Radium 228, total	pCi/L	12/15/2015 - 11/27/2023	31	0	CI around geomean	0.463	5	MCL/HBL	No Exceedance
MW-7	UA	A6	Selenium, total	mg/L	12/15/2015 - 02/01/2023	27	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-7	UA	A6R	Selenium, total	mg/L	12/15/2015 - 06/12/2023	28	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-7	UA	A6D	Selenium, total	mg/L	12/15/2015 - 09/07/2023	29	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-7	UA	A6DR	Selenium, total	mg/L	12/15/2015 - 11/27/2023	30	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-7	UA	A6	Thallium, total	mg/L	12/15/2015 - 02/01/2023	24	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-7	UA	A6R	Thallium, total	mg/L	12/15/2015 - 06/12/2023	25	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-7	UA	A6D	Thallium, total	mg/L	12/15/2015 - 09/07/2023	26	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-7	UA	A6DR	Thallium, total	mg/L	12/15/2015 - 11/27/2023	27	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-7S	USCU	A6	Antimony, total	mg/L	02/24/2021 - 02/01/2023	9	89	CI around median	0.001	0.006	MCL/HBL	No Exceedance
MW-7S	USCU	A6D	Antimony, total	mg/L	--	--	--	--	--	0.006	MCL/HBL	--
MW-7S	USCU	A6DR	Antimony, total	mg/L	02/24/2021 - 11/27/2023	10	90	CI around median	0.001	0.006	MCL/HBL	No Exceedance

**TABLE 6**  
**DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS**  
 2023 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	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-7S	USCU	A6	Arsenic, total	mg/L	02/24/2021 - 02/01/2023	9	0	CI around geomean	0.00411	0.010	MCL/HBL	No Exceedance
MW-7S	USCU	A6D	Arsenic, total	mg/L	--	--	--	--	--	0.010	MCL/HBL	--
MW-7S	USCU	A6DR	Arsenic, total	mg/L	02/24/2021 - 11/27/2023	10	0	CI around geomean	0.0046	0.010	MCL/HBL	No Exceedance
MW-7S	USCU	A6	Barium, total	mg/L	02/24/2021 - 02/01/2023	9	0	CI around median	0.0421	2.0	MCL/HBL	No Exceedance
MW-7S	USCU	A6D	Barium, total	mg/L	--	--	--	--	--	2.0	MCL/HBL	--
MW-7S	USCU	A6DR	Barium, total	mg/L	02/24/2021 - 11/27/2023	10	0	CI around median	0.0402	2.0	MCL/HBL	No Exceedance
MW-7S	USCU	A6	Beryllium, total	mg/L	02/24/2021 - 02/01/2023	9	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-7S	USCU	A6D	Beryllium, total	mg/L	--	--	--	--	--	0.004	MCL/HBL	--
MW-7S	USCU	A6DR	Beryllium, total	mg/L	02/24/2021 - 11/27/2023	10	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-7S	USCU	A6	Cadmium, total	mg/L	02/24/2021 - 02/01/2023	9	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-7S	USCU	A6D	Cadmium, total	mg/L	--	--	--	--	--	0.005	MCL/HBL	--
MW-7S	USCU	A6DR	Cadmium, total	mg/L	02/24/2021 - 11/27/2023	10	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-7S	USCU	A6	Chromium, total	mg/L	02/24/2021 - 02/01/2023	9	56	CI around median	0.0015	0.1	MCL/HBL	No Exceedance
MW-7S	USCU	A6D	Chromium, total	mg/L	--	--	--	--	--	0.1	MCL/HBL	--
MW-7S	USCU	A6DR	Chromium, total	mg/L	02/24/2021 - 11/27/2023	10	60	CI around median	0.0015	0.1	MCL/HBL	No Exceedance
MW-7S	USCU	A6	Cobalt, total	mg/L	02/24/2021 - 02/01/2023	9	11	CI around geomean	0.00108	0.006	MCL/HBL	No Exceedance
MW-7S	USCU	A6D	Cobalt, total	mg/L	--	--	--	--	--	0.006	MCL/HBL	--
MW-7S	USCU	A6DR	Cobalt, total	mg/L	02/24/2021 - 11/27/2023	10	10	CI around median	0.0012	0.006	MCL/HBL	No Exceedance
MW-7S	USCU	A6	Fluoride, total	mg/L	02/24/2021 - 02/01/2023	9	0	CI around mean	0.305	4.0	MCL/HBL	No Exceedance
MW-7S	USCU	A6D	Fluoride, total	mg/L	--	--	--	--	--	4.0	MCL/HBL	--
MW-7S	USCU	A6DR	Fluoride, total	mg/L	02/24/2021 - 11/27/2023	10	0	CI around mean	0.302	4.0	MCL/HBL	No Exceedance
MW-7S	USCU	A6	Lead, total	mg/L	02/24/2021 - 02/01/2023	9	67	CI around median	0.001	0.015	MCL/HBL	No Exceedance
MW-7S	USCU	A6D	Lead, total	mg/L	--	--	--	--	--	0.015	MCL/HBL	--
MW-7S	USCU	A6DR	Lead, total	mg/L	02/24/2021 - 11/27/2023	10	70	CI around median	0.001	0.015	MCL/HBL	No Exceedance
MW-7S	USCU	A6	Lithium, total	mg/L	02/24/2021 - 02/01/2023	9	89	CI around median	0.003	0.04	MCL/HBL	No Exceedance
MW-7S	USCU	A6D	Lithium, total	mg/L	--	--	--	--	--	0.04	MCL/HBL	--
MW-7S	USCU	A6DR	Lithium, total	mg/L	02/24/2021 - 11/27/2023	10	90	CI around median	0.003	0.04	MCL/HBL	No Exceedance

**TABLE 6**  
**DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS**  
2023 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	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-7S	USCU	A6	Mercury, total	mg/L	02/24/2021 - 02/01/2023	9	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-7S	USCU	A6D	Mercury, total	mg/L	--	--	--	--	--	0.002	MCL/HBL	--
MW-7S	USCU	A6DR	Mercury, total	mg/L	02/24/2021 - 11/27/2023	10	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-7S	USCU	A6	Molybdenum, total	mg/L	02/24/2021 - 02/01/2023	9	67	CI around median	0.0015	0.1	MCL/HBL	No Exceedance
MW-7S	USCU	A6D	Molybdenum, total	mg/L	--	--	--	--	--	0.1	MCL/HBL	--
MW-7S	USCU	A6DR	Molybdenum, total	mg/L	02/24/2021 - 11/27/2023	10	70	CI around median	0.0015	0.1	MCL/HBL	No Exceedance
MW-7S	USCU	A6	Radium 226 + Radium 228, total	pCi/L	02/24/2021 - 02/01/2023	9	0	CI around mean	0.0158	5	MCL/HBL	No Exceedance
MW-7S	USCU	A6D	Radium 226 + Radium 228, total	pCi/L	--	--	--	--	--	5	MCL/HBL	--
MW-7S	USCU	A6DR	Radium 226 + Radium 228, total	pCi/L	02/24/2021 - 11/27/2023	10	0	CI around mean	0.0731	5	MCL/HBL	No Exceedance
MW-7S	USCU	A6	Selenium, total	mg/L	02/24/2021 - 02/01/2023	9	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-7S	USCU	A6D	Selenium, total	mg/L	--	--	--	--	--	0.05	MCL/HBL	--
MW-7S	USCU	A6DR	Selenium, total	mg/L	02/24/2021 - 11/27/2023	10	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-7S	USCU	A6	Thallium, total	mg/L	02/24/2021 - 02/01/2023	9	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-7S	USCU	A6D	Thallium, total	mg/L	--	--	--	--	--	0.002	MCL/HBL	--
MW-7S	USCU	A6DR	Thallium, total	mg/L	02/24/2021 - 11/27/2023	10	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-8	UA	A6	Antimony, total	mg/L	12/15/2015 - 02/01/2023	25	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-8	UA	A6R	Antimony, total	mg/L	12/15/2015 - 06/12/2023	26	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-8	UA	A6D	Antimony, total	mg/L	12/15/2015 - 09/07/2023	27	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-8	UA	A6DR	Antimony, total	mg/L	12/15/2015 - 11/28/2023	28	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-8	UA	A6	Arsenic, total	mg/L	12/15/2015 - 02/01/2023	27	100	All ND - Last	0.001	0.010	MCL/HBL	No Exceedance
MW-8	UA	A6R	Arsenic, total	mg/L	12/15/2015 - 06/12/2023	28	100	All ND - Last	0.01	0.010	MCL/HBL	No Exceedance
MW-8	UA	A6D	Arsenic, total	mg/L	12/15/2015 - 09/07/2023	29	100	All ND - Last	0.001	0.010	MCL/HBL	No Exceedance
MW-8	UA	A6DR	Arsenic, total	mg/L	12/15/2015 - 11/28/2023	30	100	All ND - Last	0.001	0.010	MCL/HBL	No Exceedance
MW-8	UA	A6	Barium, total	mg/L	12/15/2015 - 02/01/2023	27	0	CB around linear reg	0.0192	2.0	MCL/HBL	No Exceedance
MW-8	UA	A6R	Barium, total	mg/L	12/15/2015 - 06/12/2023	28	0	CB around linear reg	0.0193	2.0	MCL/HBL	No Exceedance
MW-8	UA	A6D	Barium, total	mg/L	12/15/2015 - 09/07/2023	29	0	CB around linear reg	0.0197	2.0	MCL/HBL	No Exceedance
MW-8	UA	A6DR	Barium, total	mg/L	12/15/2015 - 11/28/2023	30	0	CB around linear reg	0.0204	2.0	MCL/HBL	No Exceedance



**TABLE 6**  
**DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS**  
 2023 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	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-8	UA	A6	Beryllium, total	mg/L	12/15/2015 - 02/01/2023	25	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-8	UA	A6R	Beryllium, total	mg/L	12/15/2015 - 06/12/2023	26	100	All ND - Last	0.0005	0.004	MCL/HBL	No Exceedance
MW-8	UA	A6D	Beryllium, total	mg/L	12/15/2015 - 09/07/2023	27	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-8	UA	A6DR	Beryllium, total	mg/L	12/15/2015 - 11/28/2023	28	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-8	UA	A6	Cadmium, total	mg/L	12/15/2015 - 02/01/2023	24	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-8	UA	A6R	Cadmium, total	mg/L	12/15/2015 - 06/12/2023	25	100	All ND - Last	0.002	0.005	MCL/HBL	No Exceedance
MW-8	UA	A6D	Cadmium, total	mg/L	12/15/2015 - 09/07/2023	26	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-8	UA	A6DR	Cadmium, total	mg/L	12/15/2015 - 11/28/2023	27	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-8	UA	A6	Chromium, total	mg/L	12/15/2015 - 02/01/2023	27	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
MW-8	UA	A6R	Chromium, total	mg/L	12/15/2015 - 06/12/2023	28	100	All ND - Last	0.005	0.1	MCL/HBL	No Exceedance
MW-8	UA	A6D	Chromium, total	mg/L	12/15/2015 - 09/07/2023	29	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
MW-8	UA	A6DR	Chromium, total	mg/L	12/15/2015 - 11/28/2023	30	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
MW-8	UA	A6	Cobalt, total	mg/L	12/15/2015 - 02/01/2023	27	19	CB around linear reg	0.000823	0.006	MCL/HBL	No Exceedance
MW-8	UA	A6R	Cobalt, total	mg/L	12/15/2015 - 06/12/2023	28	18	CB around linear reg	0.000827	0.006	MCL/HBL	No Exceedance
MW-8	UA	A6D	Cobalt, total	mg/L	12/15/2015 - 09/07/2023	29	17	CB around linear reg	0.000844	0.006	MCL/HBL	No Exceedance
MW-8	UA	A6DR	Cobalt, total	mg/L	12/15/2015 - 11/28/2023	30	17	CB around linear reg	0.000869	0.006	MCL/HBL	No Exceedance
MW-8	UA	A6	Fluoride, total	mg/L	12/15/2015 - 02/01/2023	27	0	CB around linear reg	0.223	4.0	MCL/HBL	No Exceedance
MW-8	UA	A6R	Fluoride, total	mg/L	12/15/2015 - 06/12/2023	28	0	CB around linear reg	0.222	4.0	MCL/HBL	No Exceedance
MW-8	UA	A6D	Fluoride, total	mg/L	12/15/2015 - 09/07/2023	29	0	CB around T-S line	0.219	4.0	MCL/HBL	No Exceedance
MW-8	UA	A6DR	Fluoride, total	mg/L	12/15/2015 - 11/28/2023	30	0	CB around T-S line	0.22	4.0	MCL/HBL	No Exceedance
MW-8	UA	A6	Lead, total	mg/L	12/15/2015 - 02/01/2023	27	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
MW-8	UA	A6R	Lead, total	mg/L	12/15/2015 - 06/12/2023	28	100	All ND - Last	0.0075	0.015	MCL/HBL	No Exceedance
MW-8	UA	A6D	Lead, total	mg/L	12/15/2015 - 09/07/2023	29	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
MW-8	UA	A6DR	Lead, total	mg/L	12/15/2015 - 11/28/2023	30	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
MW-8	UA	A6	Lithium, total	mg/L	12/15/2015 - 02/01/2023	19	42	CB around linear reg	0.00291	0.04	MCL/HBL	No Exceedance
MW-8	UA	A6R	Lithium, total	mg/L	12/15/2015 - 06/12/2023	20	45	CB around linear reg	0.00293	0.04	MCL/HBL	No Exceedance
MW-8	UA	A6D	Lithium, total	mg/L	12/15/2015 - 09/07/2023	21	48	CB around linear reg	0.00293	0.04	MCL/HBL	No Exceedance

**TABLE 6**  
**DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS**  
 2023 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	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-8	UA	A6DR	Lithium, total	mg/L	12/15/2015 - 11/28/2023	22	50	CB around linear reg	0.00294	0.04	MCL/HBL	No Exceedance
MW-8	UA	A6	Mercury, total	mg/L	12/15/2015 - 02/01/2023	24	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-8	UA	A6R	Mercury, total	mg/L	12/15/2015 - 06/12/2023	25	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-8	UA	A6D	Mercury, total	mg/L	12/15/2015 - 09/07/2023	26	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-8	UA	A6DR	Mercury, total	mg/L	12/15/2015 - 11/28/2023	27	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-8	UA	A6	Molybdenum, total	mg/L	12/15/2015 - 02/01/2023	19	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
MW-8	UA	A6R	Molybdenum, total	mg/L	12/15/2015 - 06/12/2023	20	100	All ND - Last	0.01	0.1	MCL/HBL	No Exceedance
MW-8	UA	A6D	Molybdenum, total	mg/L	12/15/2015 - 09/07/2023	21	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
MW-8	UA	A6DR	Molybdenum, total	mg/L	12/15/2015 - 11/28/2023	22	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
MW-8	UA	A6	Radium 226 + Radium 228, total	pCi/L	12/15/2015 - 02/01/2023	28	0	CI around median	0.15	5	MCL/HBL	No Exceedance
MW-8	UA	A6R	Radium 226 + Radium 228, total	pCi/L	12/15/2015 - 06/12/2023	29	0	CI around median	0.2	5	MCL/HBL	No Exceedance
MW-8	UA	A6D	Radium 226 + Radium 228, total	pCi/L	12/15/2015 - 09/07/2023	30	0	CI around median	0.2	5	MCL/HBL	No Exceedance
MW-8	UA	A6DR	Radium 226 + Radium 228, total	pCi/L	12/15/2015 - 11/28/2023	31	0	CI around median	0.21	5	MCL/HBL	No Exceedance
MW-8	UA	A6	Selenium, total	mg/L	12/15/2015 - 02/01/2023	27	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-8	UA	A6R	Selenium, total	mg/L	12/15/2015 - 06/12/2023	28	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-8	UA	A6D	Selenium, total	mg/L	12/15/2015 - 09/07/2023	29	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-8	UA	A6DR	Selenium, total	mg/L	12/15/2015 - 11/28/2023	30	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-8	UA	A6	Thallium, total	mg/L	12/15/2015 - 02/01/2023	24	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-8	UA	A6R	Thallium, total	mg/L	12/15/2015 - 06/12/2023	25	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-8	UA	A6D	Thallium, total	mg/L	12/15/2015 - 09/07/2023	26	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-8	UA	A6DR	Thallium, total	mg/L	12/15/2015 - 11/28/2023	27	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-11	UA	A6	Antimony, total	mg/L	12/15/2015 - 01/30/2023	25	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-11	UA	A6R	Antimony, total	mg/L	12/15/2015 - 06/12/2023	26	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-11	UA	A6D	Antimony, total	mg/L	12/15/2015 - 09/05/2023	27	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-11	UA	A6DR	Antimony, total	mg/L	12/15/2015 - 11/28/2023	28	96	CI around median	0.001	0.006	MCL/HBL	No Exceedance
MW-11	UA	A6	Arsenic, total	mg/L	12/15/2015 - 01/30/2023	27	19	CI around median	0.0012	0.010	MCL/HBL	No Exceedance
MW-11	UA	A6R	Arsenic, total	mg/L	12/15/2015 - 06/12/2023	28	21	CI around median	0.0012	0.010	MCL/HBL	No Exceedance

**TABLE 6**  
**DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS**  
 2023 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	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-11	UA	A6D	Arsenic, total	mg/L	12/15/2015 - 09/05/2023	29	21	CI around median	0.0012	0.010	MCL/HBL	No Exceedance
MW-11	UA	A6DR	Arsenic, total	mg/L	12/15/2015 - 11/28/2023	30	20	CI around median	0.0012	0.010	MCL/HBL	No Exceedance
MW-11	UA	A6	Barium, total	mg/L	12/15/2015 - 01/30/2023	27	0	CI around mean	0.129	2.0	MCL/HBL	No Exceedance
MW-11	UA	A6R	Barium, total	mg/L	12/15/2015 - 06/12/2023	28	0	CI around mean	0.129	2.0	MCL/HBL	No Exceedance
MW-11	UA	A6D	Barium, total	mg/L	12/15/2015 - 09/05/2023	29	0	CB around linear reg	0.112	2.0	MCL/HBL	No Exceedance
MW-11	UA	A6DR	Barium, total	mg/L	12/15/2015 - 11/28/2023	30	0	CI around mean	0.129	2.0	MCL/HBL	No Exceedance
MW-11	UA	A6	Beryllium, total	mg/L	12/15/2015 - 01/30/2023	25	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-11	UA	A6R	Beryllium, total	mg/L	12/15/2015 - 06/12/2023	26	100	All ND - Last	0.0005	0.004	MCL/HBL	No Exceedance
MW-11	UA	A6D	Beryllium, total	mg/L	12/15/2015 - 09/05/2023	27	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-11	UA	A6DR	Beryllium, total	mg/L	12/15/2015 - 11/28/2023	28	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-11	UA	A6	Cadmium, total	mg/L	12/15/2015 - 01/30/2023	24	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-11	UA	A6R	Cadmium, total	mg/L	12/15/2015 - 06/12/2023	25	100	All ND - Last	0.002	0.005	MCL/HBL	No Exceedance
MW-11	UA	A6D	Cadmium, total	mg/L	12/15/2015 - 09/05/2023	26	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-11	UA	A6DR	Cadmium, total	mg/L	12/15/2015 - 11/28/2023	27	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-11	UA	A6	Chromium, total	mg/L	12/15/2015 - 01/30/2023	27	96	CB around T-S line	0.00143	0.1	MCL/HBL	No Exceedance
MW-11	UA	A6R	Chromium, total	mg/L	12/15/2015 - 06/12/2023	28	96	CB around T-S line	0.00147	0.1	MCL/HBL	No Exceedance
MW-11	UA	A6D	Chromium, total	mg/L	12/15/2015 - 09/05/2023	29	97	CB around T-S line	0.00149	0.1	MCL/HBL	No Exceedance
MW-11	UA	A6DR	Chromium, total	mg/L	12/15/2015 - 11/28/2023	30	97	CB around T-S line	0.0015	0.1	MCL/HBL	No Exceedance
MW-11	UA	A6	Cobalt, total	mg/L	12/15/2015 - 01/30/2023	27	93	CI around median	0.001	0.006	MCL/HBL	No Exceedance
MW-11	UA	A6R	Cobalt, total	mg/L	12/15/2015 - 06/12/2023	28	93	CI around median	0.001	0.006	MCL/HBL	No Exceedance
MW-11	UA	A6D	Cobalt, total	mg/L	12/15/2015 - 09/05/2023	29	93	CI around median	0.001	0.006	MCL/HBL	No Exceedance
MW-11	UA	A6DR	Cobalt, total	mg/L	12/15/2015 - 11/28/2023	30	93	CI around median	0.001	0.006	MCL/HBL	No Exceedance
MW-11	UA	A6	Fluoride, total	mg/L	12/15/2015 - 01/30/2023	27	0	CI around mean	0.493	4.0	MCL/HBL	No Exceedance
MW-11	UA	A6R	Fluoride, total	mg/L	12/15/2015 - 06/12/2023	28	0	CI around mean	0.492	4.0	MCL/HBL	No Exceedance
MW-11	UA	A6D	Fluoride, total	mg/L	12/15/2015 - 09/05/2023	29	0	CI around mean	0.494	4.0	MCL/HBL	No Exceedance
MW-11	UA	A6DR	Fluoride, total	mg/L	12/15/2015 - 11/28/2023	30	0	CI around mean	0.495	4.0	MCL/HBL	No Exceedance
MW-11	UA	A6	Lead, total	mg/L	12/15/2015 - 01/30/2023	27	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance

**TABLE 6**  
**DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS**  
 2023 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	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-11	UA	A6R	Lead, total	mg/L	12/15/2015 - 06/12/2023	28	100	All ND - Last	0.0075	0.015	MCL/HBL	No Exceedance
MW-11	UA	A6D	Lead, total	mg/L	12/15/2015 - 09/05/2023	29	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
MW-11	UA	A6DR	Lead, total	mg/L	12/15/2015 - 11/28/2023	30	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
MW-11	UA	A6	Lithium, total	mg/L	12/15/2015 - 01/30/2023	19	37	CB around linear reg	0.00275	0.04	MCL/HBL	No Exceedance
MW-11	UA	A6R	Lithium, total	mg/L	12/15/2015 - 06/12/2023	20	40	CB around linear reg	0.00277	0.04	MCL/HBL	No Exceedance
MW-11	UA	A6D	Lithium, total	mg/L	12/15/2015 - 09/05/2023	21	43	CB around linear reg	0.00279	0.04	MCL/HBL	No Exceedance
MW-11	UA	A6DR	Lithium, total	mg/L	12/15/2015 - 11/28/2023	22	45	CB around linear reg	0.00281	0.04	MCL/HBL	No Exceedance
MW-11	UA	A6	Mercury, total	mg/L	12/15/2015 - 01/30/2023	24	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-11	UA	A6R	Mercury, total	mg/L	12/15/2015 - 06/12/2023	25	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-11	UA	A6D	Mercury, total	mg/L	12/15/2015 - 09/05/2023	26	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-11	UA	A6DR	Mercury, total	mg/L	12/15/2015 - 11/28/2023	27	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-11	UA	A6	Molybdenum, total	mg/L	12/15/2015 - 01/30/2023	19	0	CB around T-S line	0.00168	0.1	MCL/HBL	No Exceedance
MW-11	UA	A6R	Molybdenum, total	mg/L	12/15/2015 - 06/12/2023	20	5.0	CI around median	0.0021	0.1	MCL/HBL	No Exceedance
MW-11	UA	A6D	Molybdenum, total	mg/L	12/15/2015 - 09/05/2023	21	4.8	CI around median	0.0021	0.1	MCL/HBL	No Exceedance
MW-11	UA	A6DR	Molybdenum, total	mg/L	12/15/2015 - 11/28/2023	22	4.5	CI around median	0.0021	0.1	MCL/HBL	No Exceedance
MW-11	UA	A6	Radium 226 + Radium 228, total	pCi/L	12/15/2015 - 01/30/2023	28	0	CI around mean	0.506	5	MCL/HBL	No Exceedance
MW-11	UA	A6R	Radium 226 + Radium 228, total	pCi/L	12/15/2015 - 06/12/2023	29	0	CI around mean	0.531	5	MCL/HBL	No Exceedance
MW-11	UA	A6D	Radium 226 + Radium 228, total	pCi/L	12/15/2015 - 09/05/2023	30	0	CI around mean	0.535	5	MCL/HBL	No Exceedance
MW-11	UA	A6DR	Radium 226 + Radium 228, total	pCi/L	12/15/2015 - 11/28/2023	31	0	CI around mean	0.549	5	MCL/HBL	No Exceedance
MW-11	UA	A6	Selenium, total	mg/L	12/15/2015 - 01/30/2023	27	63	CI around median	0.001	0.05	MCL/HBL	No Exceedance
MW-11	UA	A6R	Selenium, total	mg/L	12/15/2015 - 06/12/2023	28	61	CI around median	0.001	0.05	MCL/HBL	No Exceedance
MW-11	UA	A6D	Selenium, total	mg/L	12/15/2015 - 09/05/2023	29	62	CI around median	0.001	0.05	MCL/HBL	No Exceedance
MW-11	UA	A6DR	Selenium, total	mg/L	12/15/2015 - 11/28/2023	30	63	CI around median	0.001	0.05	MCL/HBL	No Exceedance
MW-11	UA	A6	Thallium, total	mg/L	12/15/2015 - 01/30/2023	24	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-11	UA	A6R	Thallium, total	mg/L	12/15/2015 - 06/12/2023	25	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-11	UA	A6D	Thallium, total	mg/L	12/15/2015 - 09/05/2023	26	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-11	UA	A6DR	Thallium, total	mg/L	12/15/2015 - 11/28/2023	27	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance

**TABLE 6**  
**DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS**  
 2023 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	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-12	UA	A6	Antimony, total	mg/L	12/15/2015 - 02/01/2023	25	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-12	UA	A6R	Antimony, total	mg/L	12/15/2015 - 06/13/2023	26	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-12	UA	A6D	Antimony, total	mg/L	12/15/2015 - 09/07/2023	27	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-12	UA	A6DR	Antimony, total	mg/L	12/15/2015 - 11/28/2023	28	96	CI around median	0.001	0.006	MCL/HBL	No Exceedance
MW-12	UA	A6	Arsenic, total	mg/L	12/15/2015 - 02/01/2023	27	96	CI around median	0.001	0.010	MCL/HBL	No Exceedance
MW-12	UA	A6R	Arsenic, total	mg/L	12/15/2015 - 06/13/2023	28	96	CI around median	0.001	0.010	MCL/HBL	No Exceedance
MW-12	UA	A6D	Arsenic, total	mg/L	12/15/2015 - 09/07/2023	29	97	CI around median	0.001	0.010	MCL/HBL	No Exceedance
MW-12	UA	A6DR	Arsenic, total	mg/L	12/15/2015 - 11/28/2023	30	93	CI around median	0.001	0.010	MCL/HBL	No Exceedance
MW-12	UA	A6	Barium, total	mg/L	12/15/2015 - 02/01/2023	27	0	CB around linear reg	0.0514	2.0	MCL/HBL	No Exceedance
MW-12	UA	A6R	Barium, total	mg/L	12/15/2015 - 06/13/2023	28	0	CB around linear reg	0.0531	2.0	MCL/HBL	No Exceedance
MW-12	UA	A6D	Barium, total	mg/L	12/15/2015 - 09/07/2023	29	0	CB around linear reg	0.0549	2.0	MCL/HBL	No Exceedance
MW-12	UA	A6DR	Barium, total	mg/L	12/15/2015 - 11/28/2023	30	0	CB around linear reg	0.0569	2.0	MCL/HBL	No Exceedance
MW-12	UA	A6	Beryllium, total	mg/L	12/15/2015 - 02/01/2023	25	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-12	UA	A6R	Beryllium, total	mg/L	12/15/2015 - 06/13/2023	26	100	All ND - Last	0.0005	0.004	MCL/HBL	No Exceedance
MW-12	UA	A6D	Beryllium, total	mg/L	12/15/2015 - 09/07/2023	27	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-12	UA	A6DR	Beryllium, total	mg/L	12/15/2015 - 11/28/2023	28	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-12	UA	A6	Cadmium, total	mg/L	12/15/2015 - 02/01/2023	24	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-12	UA	A6R	Cadmium, total	mg/L	12/15/2015 - 06/13/2023	25	100	All ND - Last	0.002	0.005	MCL/HBL	No Exceedance
MW-12	UA	A6D	Cadmium, total	mg/L	12/15/2015 - 09/07/2023	26	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-12	UA	A6DR	Cadmium, total	mg/L	12/15/2015 - 11/28/2023	27	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-12	UA	A6	Chromium, total	mg/L	12/15/2015 - 02/01/2023	27	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
MW-12	UA	A6R	Chromium, total	mg/L	12/15/2015 - 06/13/2023	28	100	All ND - Last	0.005	0.1	MCL/HBL	No Exceedance
MW-12	UA	A6D	Chromium, total	mg/L	12/15/2015 - 09/07/2023	29	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
MW-12	UA	A6DR	Chromium, total	mg/L	12/15/2015 - 11/28/2023	30	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
MW-12	UA	A6	Cobalt, total	mg/L	12/15/2015 - 02/01/2023	27	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-12	UA	A6R	Cobalt, total	mg/L	12/15/2015 - 06/13/2023	28	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-12	UA	A6D	Cobalt, total	mg/L	12/15/2015 - 09/07/2023	29	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance

**TABLE 6**  
**DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS**  
 2023 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	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-12	UA	A6DR	Cobalt, total	mg/L	12/15/2015 - 11/28/2023	30	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-12	UA	A6	Fluoride, total	mg/L	12/15/2015 - 02/01/2023	27	0	CI around median	0.18	4.0	MCL/HBL	No Exceedance
MW-12	UA	A6R	Fluoride, total	mg/L	12/15/2015 - 06/13/2023	28	0	CI around median	0.18	4.0	MCL/HBL	No Exceedance
MW-12	UA	A6D	Fluoride, total	mg/L	12/15/2015 - 09/07/2023	29	0	CI around median	0.18	4.0	MCL/HBL	No Exceedance
MW-12	UA	A6DR	Fluoride, total	mg/L	12/15/2015 - 11/28/2023	30	0	CI around median	0.18	4.0	MCL/HBL	No Exceedance
MW-12	UA	A6	Lead, total	mg/L	12/15/2015 - 02/01/2023	27	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
MW-12	UA	A6R	Lead, total	mg/L	12/15/2015 - 06/13/2023	28	100	All ND - Last	0.0075	0.015	MCL/HBL	No Exceedance
MW-12	UA	A6D	Lead, total	mg/L	12/15/2015 - 09/07/2023	29	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
MW-12	UA	A6DR	Lead, total	mg/L	12/15/2015 - 11/28/2023	30	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
MW-12	UA	A6	Lithium, total	mg/L	12/15/2015 - 02/01/2023	19	0	CI around mean	0.00825	0.04	MCL/HBL	No Exceedance
MW-12	UA	A6R	Lithium, total	mg/L	12/15/2015 - 06/13/2023	20	0	CI around mean	0.00832	0.04	MCL/HBL	No Exceedance
MW-12	UA	A6D	Lithium, total	mg/L	12/15/2015 - 09/07/2023	21	0	CI around mean	0.00835	0.04	MCL/HBL	No Exceedance
MW-12	UA	A6DR	Lithium, total	mg/L	12/15/2015 - 11/28/2023	22	0	CI around mean	0.00842	0.04	MCL/HBL	No Exceedance
MW-12	UA	A6	Mercury, total	mg/L	12/15/2015 - 02/01/2023	24	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-12	UA	A6R	Mercury, total	mg/L	12/15/2015 - 06/13/2023	25	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-12	UA	A6D	Mercury, total	mg/L	12/15/2015 - 09/07/2023	26	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-12	UA	A6DR	Mercury, total	mg/L	12/15/2015 - 11/28/2023	27	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-12	UA	A6	Molybdenum, total	mg/L	12/15/2015 - 02/01/2023	19	89	CB around T-S line	0.00128	0.1	MCL/HBL	No Exceedance
MW-12	UA	A6R	Molybdenum, total	mg/L	12/15/2015 - 06/13/2023	20	90	CB around T-S line	0.00127	0.1	MCL/HBL	No Exceedance
MW-12	UA	A6D	Molybdenum, total	mg/L	12/15/2015 - 09/07/2023	21	90	CB around T-S line	0.00144	0.1	MCL/HBL	No Exceedance
MW-12	UA	A6DR	Molybdenum, total	mg/L	12/15/2015 - 11/28/2023	22	86	CB around T-S line	0.00121	0.1	MCL/HBL	No Exceedance
MW-12	UA	A6	Radium 226 + Radium 228, total	pCi/L	12/15/2015 - 02/01/2023	28	0	CI around median	0.4	5	MCL/HBL	No Exceedance
MW-12	UA	A6R	Radium 226 + Radium 228, total	pCi/L	12/15/2015 - 06/13/2023	29	0	CI around median	0.429	5	MCL/HBL	No Exceedance
MW-12	UA	A6D	Radium 226 + Radium 228, total	pCi/L	12/15/2015 - 09/07/2023	30	0	CI around median	0.429	5	MCL/HBL	No Exceedance
MW-12	UA	A6DR	Radium 226 + Radium 228, total	pCi/L	12/15/2015 - 11/28/2023	31	0	CI around median	0.447	5	MCL/HBL	No Exceedance
MW-12	UA	A6	Selenium, total	mg/L	12/15/2015 - 02/01/2023	27	96	CI around median	0.001	0.05	MCL/HBL	No Exceedance
MW-12	UA	A6R	Selenium, total	mg/L	12/15/2015 - 06/13/2023	28	96	CI around median	0.001	0.05	MCL/HBL	No Exceedance

**TABLE 6**  
**DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS**  
 2023 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	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-12	UA	A6D	Selenium, total	mg/L	12/15/2015 - 09/07/2023	29	97	CI around median	0.001	0.05	MCL/HBL	No Exceedance
MW-12	UA	A6DR	Selenium, total	mg/L	12/15/2015 - 11/28/2023	30	97	CI around median	0.001	0.05	MCL/HBL	No Exceedance
MW-12	UA	A6	Thallium, total	mg/L	12/15/2015 - 02/01/2023	24	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-12	UA	A6R	Thallium, total	mg/L	12/15/2015 - 06/13/2023	25	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-12	UA	A6D	Thallium, total	mg/L	12/15/2015 - 09/07/2023	26	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-12	UA	A6DR	Thallium, total	mg/L	12/15/2015 - 11/28/2023	27	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-20	UA	A6	Antimony, total	mg/L	02/26/2021 - 01/31/2023	9	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-20	UA	A6R	Antimony, total	mg/L	02/26/2021 - 06/13/2023	10	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-20	UA	A6D	Antimony, total	mg/L	02/26/2021 - 09/06/2023	11	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-20	UA	A6DR	Antimony, total	mg/L	02/26/2021 - 11/28/2023	12	92	CI around median	0.001	0.006	MCL/HBL	No Exceedance
MW-20	UA	A6	Arsenic, total	mg/L	02/26/2021 - 01/31/2023	9	33	CI around median	0.001	0.010	MCL/HBL	No Exceedance
MW-20	UA	A6R	Arsenic, total	mg/L	02/26/2021 - 06/13/2023	10	40	CI around median	0.001	0.010	MCL/HBL	No Exceedance
MW-20	UA	A6D	Arsenic, total	mg/L	02/26/2021 - 09/06/2023	11	45	CI around median	0.001	0.010	MCL/HBL	No Exceedance
MW-20	UA	A6DR	Arsenic, total	mg/L	02/26/2021 - 11/28/2023	12	42	CI around median	0.001	0.010	MCL/HBL	No Exceedance
MW-20	UA	A6	Barium, total	mg/L	02/26/2021 - 01/31/2023	9	0	CI around mean	0.101	2.0	MCL/HBL	No Exceedance
MW-20	UA	A6R	Barium, total	mg/L	02/26/2021 - 06/13/2023	10	0	CI around mean	0.103	2.0	MCL/HBL	No Exceedance
MW-20	UA	A6D	Barium, total	mg/L	02/26/2021 - 09/06/2023	11	0	CI around mean	0.103	2.0	MCL/HBL	No Exceedance
MW-20	UA	A6DR	Barium, total	mg/L	02/26/2021 - 11/28/2023	12	0	CI around mean	0.103	2.0	MCL/HBL	No Exceedance
MW-20	UA	A6	Beryllium, total	mg/L	02/26/2021 - 01/31/2023	9	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-20	UA	A6R	Beryllium, total	mg/L	02/26/2021 - 06/13/2023	10	100	All ND - Last	0.0005	0.004	MCL/HBL	No Exceedance
MW-20	UA	A6D	Beryllium, total	mg/L	02/26/2021 - 09/06/2023	11	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-20	UA	A6DR	Beryllium, total	mg/L	02/26/2021 - 11/28/2023	12	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-20	UA	A6	Cadmium, total	mg/L	02/26/2021 - 01/31/2023	9	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-20	UA	A6R	Cadmium, total	mg/L	02/26/2021 - 06/13/2023	10	100	All ND - Last	0.002	0.005	MCL/HBL	No Exceedance
MW-20	UA	A6D	Cadmium, total	mg/L	02/26/2021 - 09/06/2023	11	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-20	UA	A6DR	Cadmium, total	mg/L	02/26/2021 - 11/28/2023	12	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-20	UA	A6	Chromium, total	mg/L	02/26/2021 - 01/31/2023	9	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance

**TABLE 6**  
**DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS**  
 2023 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	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-20	UA	A6R	Chromium, total	mg/L	02/26/2021 - 06/13/2023	10	100	All ND - Last	0.005	0.1	MCL/HBL	No Exceedance
MW-20	UA	A6D	Chromium, total	mg/L	02/26/2021 - 09/06/2023	11	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
MW-20	UA	A6DR	Chromium, total	mg/L	02/26/2021 - 11/28/2023	12	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
MW-20	UA	A6	Cobalt, total	mg/L	02/26/2021 - 01/31/2023	9	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-20	UA	A6R	Cobalt, total	mg/L	02/26/2021 - 06/13/2023	10	90	CI around median	0.001	0.006	MCL/HBL	No Exceedance
MW-20	UA	A6D	Cobalt, total	mg/L	02/26/2021 - 09/06/2023	11	91	CI around median	0.001	0.006	MCL/HBL	No Exceedance
MW-20	UA	A6DR	Cobalt, total	mg/L	02/26/2021 - 11/28/2023	12	92	CI around median	0.001	0.006	MCL/HBL	No Exceedance
MW-20	UA	A6	Fluoride, total	mg/L	02/26/2021 - 01/31/2023	9	0	CB around linear reg	0.291	4.0	MCL/HBL	No Exceedance
MW-20	UA	A6R	Fluoride, total	mg/L	02/26/2021 - 06/13/2023	10	0	CB around linear reg	0.306	4.0	MCL/HBL	No Exceedance
MW-20	UA	A6D	Fluoride, total	mg/L	02/26/2021 - 09/06/2023	11	0	CB around linear reg	0.319	4.0	MCL/HBL	No Exceedance
MW-20	UA	A6DR	Fluoride, total	mg/L	02/26/2021 - 11/28/2023	12	0	CB around linear reg	0.329	4.0	MCL/HBL	No Exceedance
MW-20	UA	A6	Lead, total	mg/L	02/26/2021 - 01/31/2023	9	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
MW-20	UA	A6R	Lead, total	mg/L	02/26/2021 - 06/13/2023	10	100	All ND - Last	0.0075	0.015	MCL/HBL	No Exceedance
MW-20	UA	A6D	Lead, total	mg/L	02/26/2021 - 09/06/2023	11	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
MW-20	UA	A6DR	Lead, total	mg/L	02/26/2021 - 11/28/2023	12	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
MW-20	UA	A6	Lithium, total	mg/L	02/26/2021 - 01/31/2023	9	0	CB around linear reg	-0.00965	0.04	MCL/HBL	No Exceedance
MW-20	UA	A6R	Lithium, total	mg/L	02/26/2021 - 06/13/2023	10	0	CB around linear reg	-0.00639	0.04	MCL/HBL	No Exceedance
MW-20	UA	A6D	Lithium, total	mg/L	02/26/2021 - 09/06/2023	11	0	CB around linear reg	-0.00462	0.04	MCL/HBL	No Exceedance
MW-20	UA	A6DR	Lithium, total	mg/L	02/26/2021 - 11/28/2023	12	0	CB around linear reg	-0.0037	0.04	MCL/HBL	No Exceedance
MW-20	UA	A6	Mercury, total	mg/L	02/26/2021 - 01/31/2023	9	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-20	UA	A6R	Mercury, total	mg/L	02/26/2021 - 06/13/2023	10	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-20	UA	A6D	Mercury, total	mg/L	02/26/2021 - 09/06/2023	11	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-20	UA	A6DR	Mercury, total	mg/L	02/26/2021 - 11/28/2023	12	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-20	UA	A6	Molybdenum, total	mg/L	02/26/2021 - 01/31/2023	9	0	CI around mean	0.00392	0.1	MCL/HBL	No Exceedance
MW-20	UA	A6R	Molybdenum, total	mg/L	02/26/2021 - 06/13/2023	10	10	CB around linear reg	-0.00255	0.1	MCL/HBL	No Exceedance
MW-20	UA	A6D	Molybdenum, total	mg/L	02/26/2021 - 09/06/2023	11	9.1	CB around linear reg	-0.00114	0.1	MCL/HBL	No Exceedance
MW-20	UA	A6DR	Molybdenum, total	mg/L	02/26/2021 - 11/28/2023	12	8.3	CB around linear reg	-0.00062	0.1	MCL/HBL	No Exceedance



**TABLE 6**  
**DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS**  
 2023 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	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-20	UA	A6	Radium 226 + Radium 228, total	pCi/L	02/26/2021 - 01/31/2023	9	0	CI around mean	0.13	5	MCL/HBL	No Exceedance
MW-20	UA	A6R	Radium 226 + Radium 228, total	pCi/L	02/26/2021 - 06/13/2023	10	0	CI around mean	0.164	5	MCL/HBL	No Exceedance
MW-20	UA	A6D	Radium 226 + Radium 228, total	pCi/L	02/26/2021 - 09/06/2023	11	0	CI around mean	0.196	5	MCL/HBL	No Exceedance
MW-20	UA	A6DR	Radium 226 + Radium 228, total	pCi/L	02/26/2021 - 11/28/2023	12	0	CI around mean	0.227	5	MCL/HBL	No Exceedance
MW-20	UA	A6	Selenium, total	mg/L	02/26/2021 - 01/31/2023	9	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-20	UA	A6R	Selenium, total	mg/L	02/26/2021 - 06/13/2023	10	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-20	UA	A6D	Selenium, total	mg/L	02/26/2021 - 09/06/2023	11	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-20	UA	A6DR	Selenium, total	mg/L	02/26/2021 - 11/28/2023	12	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-20	UA	A6	Thallium, total	mg/L	02/26/2021 - 01/31/2023	9	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-20	UA	A6R	Thallium, total	mg/L	02/26/2021 - 06/13/2023	10	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-20	UA	A6D	Thallium, total	mg/L	02/26/2021 - 09/06/2023	11	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-20	UA	A6DR	Thallium, total	mg/L	02/26/2021 - 11/28/2023	12	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-20S	USCU	A6	Antimony, total	mg/L	02/26/2021 - 01/31/2023	9	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-20S	USCU	A6R	Antimony, total	mg/L	02/26/2021 - 06/13/2023	10	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-20S	USCU	A6D	Antimony, total	mg/L	02/26/2021 - 09/06/2023	11	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-20S	USCU	A6DR	Antimony, total	mg/L	02/26/2021 - 11/28/2023	12	92	CI around median	0.001	0.006	MCL/HBL	No Exceedance
MW-20S	USCU	A6	Arsenic, total	mg/L	02/26/2021 - 01/31/2023	9	100	All ND - Last	0.001	0.010	MCL/HBL	No Exceedance
MW-20S	USCU	A6R	Arsenic, total	mg/L	02/26/2021 - 06/13/2023	10	100	All ND - Last	0.01	0.010	MCL/HBL	No Exceedance
MW-20S	USCU	A6D	Arsenic, total	mg/L	02/26/2021 - 09/06/2023	11	100	All ND - Last	0.001	0.010	MCL/HBL	No Exceedance
MW-20S	USCU	A6DR	Arsenic, total	mg/L	02/26/2021 - 11/28/2023	12	100	All ND - Last	0.001	0.010	MCL/HBL	No Exceedance
MW-20S	USCU	A6	Barium, total	mg/L	02/26/2021 - 01/31/2023	9	11	CI around median	0.0352	2.0	MCL/HBL	No Exceedance
MW-20S	USCU	A6R	Barium, total	mg/L	02/26/2021 - 06/13/2023	10	10	CI around median	0.0352	2.0	MCL/HBL	No Exceedance
MW-20S	USCU	A6D	Barium, total	mg/L	02/26/2021 - 09/06/2023	11	9.1	CI around median	0.0346	2.0	MCL/HBL	No Exceedance
MW-20S	USCU	A6DR	Barium, total	mg/L	02/26/2021 - 11/28/2023	12	8.3	CI around median	0.0346	2.0	MCL/HBL	No Exceedance
MW-20S	USCU	A6	Beryllium, total	mg/L	02/26/2021 - 01/31/2023	9	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-20S	USCU	A6R	Beryllium, total	mg/L	02/26/2021 - 06/13/2023	10	100	All ND - Last	0.0005	0.004	MCL/HBL	No Exceedance
MW-20S	USCU	A6D	Beryllium, total	mg/L	02/26/2021 - 09/06/2023	11	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance

**TABLE 6**  
**DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS**  
 2023 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	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-20S	USCU	A6DR	Beryllium, total	mg/L	02/26/2021 - 11/28/2023	12	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-20S	USCU	A6	Cadmium, total	mg/L	02/26/2021 - 01/31/2023	9	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-20S	USCU	A6R	Cadmium, total	mg/L	02/26/2021 - 06/13/2023	10	100	All ND - Last	0.002	0.005	MCL/HBL	No Exceedance
MW-20S	USCU	A6D	Cadmium, total	mg/L	02/26/2021 - 09/06/2023	11	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-20S	USCU	A6DR	Cadmium, total	mg/L	02/26/2021 - 11/28/2023	12	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-20S	USCU	A6	Chromium, total	mg/L	02/26/2021 - 01/31/2023	9	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
MW-20S	USCU	A6R	Chromium, total	mg/L	02/26/2021 - 06/13/2023	10	100	All ND - Last	0.005	0.1	MCL/HBL	No Exceedance
MW-20S	USCU	A6D	Chromium, total	mg/L	02/26/2021 - 09/06/2023	11	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
MW-20S	USCU	A6DR	Chromium, total	mg/L	02/26/2021 - 11/28/2023	12	92	CI around median	0.0015	0.1	MCL/HBL	No Exceedance
MW-20S	USCU	A6	Cobalt, total	mg/L	02/26/2021 - 01/31/2023	9	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-20S	USCU	A6R	Cobalt, total	mg/L	02/26/2021 - 06/13/2023	10	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-20S	USCU	A6D	Cobalt, total	mg/L	02/26/2021 - 09/06/2023	11	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-20S	USCU	A6DR	Cobalt, total	mg/L	02/26/2021 - 11/28/2023	12	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-20S	USCU	A6	Fluoride, total	mg/L	02/26/2021 - 01/31/2023	9	0	CI around mean	0.174	4.0	MCL/HBL	No Exceedance
MW-20S	USCU	A6R	Fluoride, total	mg/L	02/26/2021 - 06/13/2023	10	0	CI around mean	0.176	4.0	MCL/HBL	No Exceedance
MW-20S	USCU	A6D	Fluoride, total	mg/L	02/26/2021 - 09/06/2023	11	0	CI around mean	0.176	4.0	MCL/HBL	No Exceedance
MW-20S	USCU	A6DR	Fluoride, total	mg/L	02/26/2021 - 11/28/2023	12	0	CI around mean	0.179	4.0	MCL/HBL	No Exceedance
MW-20S	USCU	A6	Lead, total	mg/L	02/26/2021 - 01/31/2023	9	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
MW-20S	USCU	A6R	Lead, total	mg/L	02/26/2021 - 06/13/2023	10	100	All ND - Last	0.0075	0.015	MCL/HBL	No Exceedance
MW-20S	USCU	A6D	Lead, total	mg/L	02/26/2021 - 09/06/2023	11	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
MW-20S	USCU	A6DR	Lead, total	mg/L	02/26/2021 - 11/28/2023	12	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
MW-20S	USCU	A6	Lithium, total	mg/L	02/26/2021 - 01/31/2023	9	100	All ND - Last	0.003	0.04	MCL/HBL	No Exceedance
MW-20S	USCU	A6R	Lithium, total	mg/L	02/26/2021 - 06/13/2023	10	100	All ND - Last	0.003	0.04	MCL/HBL	No Exceedance
MW-20S	USCU	A6D	Lithium, total	mg/L	02/26/2021 - 09/06/2023	11	100	All ND - Last	0.003	0.04	MCL/HBL	No Exceedance
MW-20S	USCU	A6DR	Lithium, total	mg/L	02/26/2021 - 11/28/2023	12	100	All ND - Last	0.003	0.04	MCL/HBL	No Exceedance
MW-20S	USCU	A6	Mercury, total	mg/L	02/26/2021 - 01/31/2023	9	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-20S	USCU	A6R	Mercury, total	mg/L	02/26/2021 - 06/13/2023	10	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance

**TABLE 6**  
**DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS**  
 2023 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	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-20S	USCU	A6D	Mercury, total	mg/L	02/26/2021 - 09/06/2023	11	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-20S	USCU	A6DR	Mercury, total	mg/L	02/26/2021 - 11/28/2023	12	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-20S	USCU	A6	Molybdenum, total	mg/L	02/26/2021 - 01/31/2023	9	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
MW-20S	USCU	A6R	Molybdenum, total	mg/L	02/26/2021 - 06/13/2023	10	100	All ND - Last	0.01	0.1	MCL/HBL	No Exceedance
MW-20S	USCU	A6D	Molybdenum, total	mg/L	02/26/2021 - 09/06/2023	11	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
MW-20S	USCU	A6DR	Molybdenum, total	mg/L	02/26/2021 - 11/28/2023	12	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
MW-20S	USCU	A6	Radium 226 + Radium 228, total	pCi/L	02/26/2021 - 01/31/2023	9	0	CI around mean	0.061	5	MCL/HBL	No Exceedance
MW-20S	USCU	A6R	Radium 226 + Radium 228, total	pCi/L	02/26/2021 - 06/13/2023	10	0	CI around mean	0.0448	5	MCL/HBL	No Exceedance
MW-20S	USCU	A6D	Radium 226 + Radium 228, total	pCi/L	02/26/2021 - 09/06/2023	11	0	CI around mean	0.0887	5	MCL/HBL	No Exceedance
MW-20S	USCU	A6DR	Radium 226 + Radium 228, total	pCi/L	02/26/2021 - 11/28/2023	12	0	CI around mean	0.128	5	MCL/HBL	No Exceedance
MW-20S	USCU	A6	Selenium, total	mg/L	02/26/2021 - 01/31/2023	9	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-20S	USCU	A6R	Selenium, total	mg/L	02/26/2021 - 06/13/2023	10	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-20S	USCU	A6D	Selenium, total	mg/L	02/26/2021 - 09/06/2023	11	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-20S	USCU	A6DR	Selenium, total	mg/L	02/26/2021 - 11/28/2023	12	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-20S	USCU	A6	Thallium, total	mg/L	02/26/2021 - 01/31/2023	9	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-20S	USCU	A6R	Thallium, total	mg/L	02/26/2021 - 06/13/2023	10	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-20S	USCU	A6D	Thallium, total	mg/L	02/26/2021 - 09/06/2023	11	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-20S	USCU	A6DR	Thallium, total	mg/L	02/26/2021 - 11/28/2023	12	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-23	UA	A6	Antimony, total	mg/L	02/26/2021 - 01/31/2023	9	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-23	UA	A6R	Antimony, total	mg/L	02/26/2021 - 06/12/2023	10	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-23	UA	A6D	Antimony, total	mg/L	02/26/2021 - 09/05/2023	11	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-23	UA	A6DR	Antimony, total	mg/L	02/26/2021 - 11/28/2023	12	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-23	UA	A6	Arsenic, total	mg/L	02/26/2021 - 01/31/2023	9	56	CI around median	0.001	0.010	MCL/HBL	No Exceedance
MW-23	UA	A6R	Arsenic, total	mg/L	02/26/2021 - 06/12/2023	10	60	CI around median	0.001	0.010	MCL/HBL	No Exceedance
MW-23	UA	A6D	Arsenic, total	mg/L	02/26/2021 - 09/05/2023	11	55	CI around median	0.001	0.010	MCL/HBL	No Exceedance
MW-23	UA	A6DR	Arsenic, total	mg/L	02/26/2021 - 11/28/2023	12	50	CI around median	0.001	0.010	MCL/HBL	No Exceedance
MW-23	UA	A6	Barium, total	mg/L	02/26/2021 - 01/31/2023	9	0	CI around mean	0.0749	2.0	MCL/HBL	No Exceedance

**TABLE 6**  
**DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS**  
 2023 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	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-23	UA	A6R	Barium, total	mg/L	02/26/2021 - 06/12/2023	10	0	CI around mean	0.0784	2.0	MCL/HBL	No Exceedance
MW-23	UA	A6D	Barium, total	mg/L	02/26/2021 - 09/05/2023	11	0	CI around mean	0.0807	2.0	MCL/HBL	No Exceedance
MW-23	UA	A6DR	Barium, total	mg/L	02/26/2021 - 11/28/2023	12	0	CI around mean	0.0825	2.0	MCL/HBL	No Exceedance
MW-23	UA	A6	Beryllium, total	mg/L	02/26/2021 - 01/31/2023	9	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-23	UA	A6R	Beryllium, total	mg/L	02/26/2021 - 06/12/2023	10	100	All ND - Last	0.0005	0.004	MCL/HBL	No Exceedance
MW-23	UA	A6D	Beryllium, total	mg/L	02/26/2021 - 09/05/2023	11	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-23	UA	A6DR	Beryllium, total	mg/L	02/26/2021 - 11/28/2023	12	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-23	UA	A6	Cadmium, total	mg/L	02/26/2021 - 01/31/2023	9	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-23	UA	A6R	Cadmium, total	mg/L	02/26/2021 - 06/12/2023	10	100	All ND - Last	0.002	0.005	MCL/HBL	No Exceedance
MW-23	UA	A6D	Cadmium, total	mg/L	02/26/2021 - 09/05/2023	11	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-23	UA	A6DR	Cadmium, total	mg/L	02/26/2021 - 11/28/2023	12	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-23	UA	A6	Chromium, total	mg/L	02/26/2021 - 01/31/2023	9	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
MW-23	UA	A6R	Chromium, total	mg/L	02/26/2021 - 06/12/2023	10	100	All ND - Last	0.005	0.1	MCL/HBL	No Exceedance
MW-23	UA	A6D	Chromium, total	mg/L	02/26/2021 - 09/05/2023	11	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
MW-23	UA	A6DR	Chromium, total	mg/L	02/26/2021 - 11/28/2023	12	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
MW-23	UA	A6	Cobalt, total	mg/L	02/26/2021 - 01/31/2023	9	22	CI around median	0.001	0.006	MCL/HBL	No Exceedance
MW-23	UA	A6R	Cobalt, total	mg/L	02/26/2021 - 06/12/2023	10	30	CI around median	0.001	0.006	MCL/HBL	No Exceedance
MW-23	UA	A6D	Cobalt, total	mg/L	02/26/2021 - 09/05/2023	11	36	CI around median	0.001	0.006	MCL/HBL	No Exceedance
MW-23	UA	A6DR	Cobalt, total	mg/L	02/26/2021 - 11/28/2023	12	33	CI around median	0.001	0.006	MCL/HBL	No Exceedance
MW-23	UA	A6	Fluoride, total	mg/L	02/26/2021 - 01/31/2023	9	0	CI around mean	0.338	4.0	MCL/HBL	No Exceedance
MW-23	UA	A6R	Fluoride, total	mg/L	02/26/2021 - 06/12/2023	10	0	CI around mean	0.341	4.0	MCL/HBL	No Exceedance
MW-23	UA	A6D	Fluoride, total	mg/L	02/26/2021 - 09/05/2023	11	0	CI around mean	0.343	4.0	MCL/HBL	No Exceedance
MW-23	UA	A6DR	Fluoride, total	mg/L	02/26/2021 - 11/28/2023	12	0	CI around mean	0.345	4.0	MCL/HBL	No Exceedance
MW-23	UA	A6	Lead, total	mg/L	02/26/2021 - 01/31/2023	9	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
MW-23	UA	A6R	Lead, total	mg/L	02/26/2021 - 06/12/2023	10	100	All ND - Last	0.0075	0.015	MCL/HBL	No Exceedance
MW-23	UA	A6D	Lead, total	mg/L	02/26/2021 - 09/05/2023	11	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
MW-23	UA	A6DR	Lead, total	mg/L	02/26/2021 - 11/28/2023	12	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance

**TABLE 6**  
**DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS**  
 2023 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	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-23	UA	A6	Lithium, total	mg/L	02/26/2021 - 01/31/2023	9	100	All ND - Last	0.003	0.04	MCL/HBL	No Exceedance
MW-23	UA	A6R	Lithium, total	mg/L	02/26/2021 - 06/12/2023	10	100	All ND - Last	0.003	0.04	MCL/HBL	No Exceedance
MW-23	UA	A6D	Lithium, total	mg/L	02/26/2021 - 09/05/2023	11	100	All ND - Last	0.003	0.04	MCL/HBL	No Exceedance
MW-23	UA	A6DR	Lithium, total	mg/L	02/26/2021 - 11/28/2023	12	100	All ND - Last	0.003	0.04	MCL/HBL	No Exceedance
MW-23	UA	A6	Mercury, total	mg/L	02/26/2021 - 01/31/2023	9	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-23	UA	A6R	Mercury, total	mg/L	02/26/2021 - 06/12/2023	10	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-23	UA	A6D	Mercury, total	mg/L	02/26/2021 - 09/05/2023	11	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-23	UA	A6DR	Mercury, total	mg/L	02/26/2021 - 11/28/2023	12	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-23	UA	A6	Molybdenum, total	mg/L	02/26/2021 - 01/31/2023	9	89	CI around median	0.0015	0.1	MCL/HBL	No Exceedance
MW-23	UA	A6R	Molybdenum, total	mg/L	02/26/2021 - 06/12/2023	10	90	CI around median	0.0015	0.1	MCL/HBL	No Exceedance
MW-23	UA	A6D	Molybdenum, total	mg/L	02/26/2021 - 09/05/2023	11	91	CI around median	0.0015	0.1	MCL/HBL	No Exceedance
MW-23	UA	A6DR	Molybdenum, total	mg/L	02/26/2021 - 11/28/2023	12	92	CI around median	0.0015	0.1	MCL/HBL	No Exceedance
MW-23	UA	A6	Radium 226 + Radium 228, total	pCi/L	02/26/2021 - 01/31/2023	9	0	CI around mean	0.0786	5	MCL/HBL	No Exceedance
MW-23	UA	A6R	Radium 226 + Radium 228, total	pCi/L	02/26/2021 - 06/12/2023	10	0	CI around mean	0.14	5	MCL/HBL	No Exceedance
MW-23	UA	A6D	Radium 226 + Radium 228, total	pCi/L	02/26/2021 - 09/05/2023	11	0	CI around mean	0.187	5	MCL/HBL	No Exceedance
MW-23	UA	A6DR	Radium 226 + Radium 228, total	pCi/L	02/26/2021 - 11/28/2023	12	0	CI around mean	0.236	5	MCL/HBL	No Exceedance
MW-23	UA	A6	Selenium, total	mg/L	02/26/2021 - 01/31/2023	9	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-23	UA	A6R	Selenium, total	mg/L	02/26/2021 - 06/12/2023	10	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-23	UA	A6D	Selenium, total	mg/L	02/26/2021 - 09/05/2023	11	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-23	UA	A6DR	Selenium, total	mg/L	02/26/2021 - 11/28/2023	12	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-23	UA	A6	Thallium, total	mg/L	02/26/2021 - 01/31/2023	9	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-23	UA	A6R	Thallium, total	mg/L	02/26/2021 - 06/12/2023	10	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-23	UA	A6D	Thallium, total	mg/L	02/26/2021 - 09/05/2023	11	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-23	UA	A6DR	Thallium, total	mg/L	02/26/2021 - 11/28/2023	12	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-27	USCU	A6	Antimony, total	mg/L	02/24/2021 - 02/01/2023	9	89	Most recent sample	0.001	0.006	MCL/HBL	No Exceedance
MW-27	USCU	A6	Arsenic, total	mg/L	02/24/2021 - 02/01/2023	9	0	CI around geomean	0.00304	0.010	MCL/HBL	No Exceedance
MW-27	USCU	A6	Barium, total	mg/L	02/24/2021 - 02/01/2023	9	0	CI around geomean	0.0727	2.0	MCL/HBL	No Exceedance

**TABLE 6**  
**DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS**  
 2023 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	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-27	USCU	A6	Beryllium, total	mg/L	02/24/2021 - 02/01/2023	9	67	CI around median	0.001	0.004	MCL/HBL	No Exceedance
MW-27	USCU	A6	Cadmium, total	mg/L	02/24/2021 - 02/01/2023	9	89	CI around median	0.001	0.005	MCL/HBL	No Exceedance
MW-27	USCU	A6	Chromium, total	mg/L	02/24/2021 - 02/01/2023	9	11	CI around geomean	0.00204	0.1	MCL/HBL	No Exceedance
MW-27	USCU	A6	Cobalt, total	mg/L	02/24/2021 - 02/01/2023	9	0	CI around geomean	0.00168	0.006	MCL/HBL	No Exceedance
MW-27	USCU	A6	Fluoride, total	mg/L	02/24/2021 - 02/01/2023	9	0	CI around median	0.2	4.0	MCL/HBL	No Exceedance
MW-27	USCU	A6	Lead, total	mg/L	02/24/2021 - 02/01/2023	9	11	CI around geomean	0.00104	0.015	MCL/HBL	No Exceedance
MW-27	USCU	A6	Lithium, total	mg/L	02/24/2021 - 02/01/2023	9	33	CI around geomean	0.0027	0.04	MCL/HBL	No Exceedance
MW-27	USCU	A6	Mercury, total	mg/L	02/24/2021 - 02/01/2023	9	78	CI around median	0.0002	0.002	MCL/HBL	No Exceedance
MW-27	USCU	A6	Molybdenum, total	mg/L	02/24/2021 - 02/01/2023	9	22	CI around geomean	0.00189	0.1	MCL/HBL	No Exceedance
MW-27	USCU	A6	Radium 226 + Radium 228, total	pCi/L	02/24/2021 - 02/01/2023	9	0	CI around geomean	0.306	5	MCL/HBL	No Exceedance
MW-27	USCU	A6	Selenium, total	mg/L	02/24/2021 - 02/01/2023	9	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-27	USCU	A6	Thallium, total	mg/L	02/24/2021 - 02/01/2023	9	89	CI around median	0.002	0.002	MCL/HBL	No Exceedance
MW-28	UA	A6	Antimony, total	mg/L	02/24/2021 - 02/01/2023	9	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-28	UA	A6R	Antimony, total	mg/L	02/24/2021 - 06/13/2023	10	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-28	UA	A6D	Antimony, total	mg/L	02/24/2021 - 09/06/2023	11	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-28	UA	A6DR	Antimony, total	mg/L	02/24/2021 - 11/28/2023	12	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-28	UA	A6	Arsenic, total	mg/L	02/24/2021 - 02/01/2023	9	100	All ND - Last	0.001	0.010	MCL/HBL	No Exceedance
MW-28	UA	A6R	Arsenic, total	mg/L	02/24/2021 - 06/13/2023	10	100	All ND - Last	0.01	0.010	MCL/HBL	No Exceedance
MW-28	UA	A6D	Arsenic, total	mg/L	02/24/2021 - 09/06/2023	11	100	All ND - Last	0.001	0.010	MCL/HBL	No Exceedance
MW-28	UA	A6DR	Arsenic, total	mg/L	02/24/2021 - 11/28/2023	12	100	All ND - Last	0.001	0.010	MCL/HBL	No Exceedance
MW-28	UA	A6	Barium, total	mg/L	02/24/2021 - 02/01/2023	9	0	CI around mean	0.0209	2.0	MCL/HBL	No Exceedance
MW-28	UA	A6R	Barium, total	mg/L	02/24/2021 - 06/13/2023	10	0	CI around mean	0.0214	2.0	MCL/HBL	No Exceedance
MW-28	UA	A6D	Barium, total	mg/L	02/24/2021 - 09/06/2023	11	0	CI around mean	0.0217	2.0	MCL/HBL	No Exceedance
MW-28	UA	A6DR	Barium, total	mg/L	02/24/2021 - 11/28/2023	12	0	CI around mean	0.0221	2.0	MCL/HBL	No Exceedance
MW-28	UA	A6	Beryllium, total	mg/L	02/24/2021 - 02/01/2023	9	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-28	UA	A6R	Beryllium, total	mg/L	02/24/2021 - 06/13/2023	10	100	All ND - Last	0.0005	0.004	MCL/HBL	No Exceedance
MW-28	UA	A6D	Beryllium, total	mg/L	02/24/2021 - 09/06/2023	11	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance

**TABLE 6**  
**DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS**  
 2023 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	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-28	UA	A6DR	Beryllium, total	mg/L	02/24/2021 - 11/28/2023	12	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-28	UA	A6	Cadmium, total	mg/L	02/24/2021 - 02/01/2023	9	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-28	UA	A6R	Cadmium, total	mg/L	02/24/2021 - 06/13/2023	10	100	All ND - Last	0.002	0.005	MCL/HBL	No Exceedance
MW-28	UA	A6D	Cadmium, total	mg/L	02/24/2021 - 09/06/2023	11	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-28	UA	A6DR	Cadmium, total	mg/L	02/24/2021 - 11/28/2023	12	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-28	UA	A6	Chromium, total	mg/L	02/24/2021 - 02/01/2023	9	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
MW-28	UA	A6R	Chromium, total	mg/L	02/24/2021 - 06/13/2023	10	100	All ND - Last	0.005	0.1	MCL/HBL	No Exceedance
MW-28	UA	A6D	Chromium, total	mg/L	02/24/2021 - 09/06/2023	11	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
MW-28	UA	A6DR	Chromium, total	mg/L	02/24/2021 - 11/28/2023	12	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
MW-28	UA	A6	Cobalt, total	mg/L	02/24/2021 - 02/01/2023	9	78	CI around median	0.001	0.006	MCL/HBL	No Exceedance
MW-28	UA	A6R	Cobalt, total	mg/L	02/24/2021 - 06/13/2023	10	80	CI around median	0.001	0.006	MCL/HBL	No Exceedance
MW-28	UA	A6D	Cobalt, total	mg/L	02/24/2021 - 09/06/2023	11	82	CI around median	0.001	0.006	MCL/HBL	No Exceedance
MW-28	UA	A6DR	Cobalt, total	mg/L	02/24/2021 - 11/28/2023	12	83	CI around median	0.001	0.006	MCL/HBL	No Exceedance
MW-28	UA	A6	Fluoride, total	mg/L	02/24/2021 - 02/01/2023	9	0	CI around median	0.12	4.0	MCL/HBL	No Exceedance
MW-28	UA	A6R	Fluoride, total	mg/L	02/24/2021 - 06/13/2023	10	0	CI around median	0.12	4.0	MCL/HBL	No Exceedance
MW-28	UA	A6D	Fluoride, total	mg/L	02/24/2021 - 09/06/2023	11	0	CI around median	0.12	4.0	MCL/HBL	No Exceedance
MW-28	UA	A6DR	Fluoride, total	mg/L	02/24/2021 - 11/28/2023	12	0	CI around median	0.12	4.0	MCL/HBL	No Exceedance
MW-28	UA	A6	Lead, total	mg/L	02/24/2021 - 02/01/2023	9	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
MW-28	UA	A6R	Lead, total	mg/L	02/24/2021 - 06/13/2023	10	100	All ND - Last	0.0075	0.015	MCL/HBL	No Exceedance
MW-28	UA	A6D	Lead, total	mg/L	02/24/2021 - 09/06/2023	11	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
MW-28	UA	A6DR	Lead, total	mg/L	02/24/2021 - 11/28/2023	12	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
MW-28	UA	A6	Lithium, total	mg/L	02/24/2021 - 02/01/2023	9	0	CI around mean	0.00595	0.04	MCL/HBL	No Exceedance
MW-28	UA	A6R	Lithium, total	mg/L	02/24/2021 - 06/13/2023	10	0	CI around mean	0.00596	0.04	MCL/HBL	No Exceedance
MW-28	UA	A6D	Lithium, total	mg/L	02/24/2021 - 09/06/2023	11	0	CI around mean	0.006	0.04	MCL/HBL	No Exceedance
MW-28	UA	A6DR	Lithium, total	mg/L	02/24/2021 - 11/28/2023	12	0	CI around mean	0.00601	0.04	MCL/HBL	No Exceedance
MW-28	UA	A6	Mercury, total	mg/L	02/24/2021 - 02/01/2023	9	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-28	UA	A6R	Mercury, total	mg/L	02/24/2021 - 06/13/2023	10	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance

**TABLE 6**  
**DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS**  
 2023 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	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-28	UA	A6D	Mercury, total	mg/L	02/24/2021 - 09/06/2023	11	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-28	UA	A6DR	Mercury, total	mg/L	02/24/2021 - 11/28/2023	12	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-28	UA	A6	Molybdenum, total	mg/L	02/24/2021 - 02/01/2023	9	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
MW-28	UA	A6R	Molybdenum, total	mg/L	02/24/2021 - 06/13/2023	10	100	All ND - Last	0.01	0.1	MCL/HBL	No Exceedance
MW-28	UA	A6D	Molybdenum, total	mg/L	02/24/2021 - 09/06/2023	11	91	CI around median	0.0015	0.1	MCL/HBL	No Exceedance
MW-28	UA	A6DR	Molybdenum, total	mg/L	02/24/2021 - 11/28/2023	12	92	CI around median	0.0015	0.1	MCL/HBL	No Exceedance
MW-28	UA	A6	Radium 226 + Radium 228, total	pCi/L	02/24/2021 - 02/01/2023	9	0	CI around mean	0.0282	5	MCL/HBL	No Exceedance
MW-28	UA	A6R	Radium 226 + Radium 228, total	pCi/L	02/24/2021 - 06/13/2023	10	0	CI around mean	0.0382	5	MCL/HBL	No Exceedance
MW-28	UA	A6D	Radium 226 + Radium 228, total	pCi/L	02/24/2021 - 09/06/2023	11	0	CB around linear reg	0.196	5	MCL/HBL	No Exceedance
MW-28	UA	A6DR	Radium 226 + Radium 228, total	pCi/L	02/24/2021 - 11/28/2023	12	0	CB around linear reg	0.305	5	MCL/HBL	No Exceedance
MW-28	UA	A6	Selenium, total	mg/L	02/24/2021 - 02/01/2023	9	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-28	UA	A6R	Selenium, total	mg/L	02/24/2021 - 06/13/2023	10	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-28	UA	A6D	Selenium, total	mg/L	02/24/2021 - 09/06/2023	11	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-28	UA	A6DR	Selenium, total	mg/L	02/24/2021 - 11/28/2023	12	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-28	UA	A6	Thallium, total	mg/L	02/24/2021 - 02/01/2023	9	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-28	UA	A6R	Thallium, total	mg/L	02/24/2021 - 06/13/2023	10	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-28	UA	A6D	Thallium, total	mg/L	02/24/2021 - 09/06/2023	11	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-28	UA	A6DR	Thallium, total	mg/L	02/24/2021 - 11/28/2023	12	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-30	UA	A6	Antimony, total	mg/L	02/25/2021 - 01/31/2023	9	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-30	UA	A6R	Antimony, total	mg/L	02/25/2021 - 06/13/2023	10	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-30	UA	A6D	Antimony, total	mg/L	02/25/2021 - 09/06/2023	11	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-30	UA	A6DR	Antimony, total	mg/L	02/25/2021 - 11/28/2023	12	92	Most recent sample	0.001	0.006	MCL/HBL	No Exceedance
MW-30	UA	A6	Arsenic, total	mg/L	02/25/2021 - 01/31/2023	9	0	CB around linear reg	-0.00287	0.010	MCL/HBL	No Exceedance
MW-30	UA	A6R	Arsenic, total	mg/L	02/25/2021 - 06/13/2023	10	10	CB around linear reg	-0.00022	0.010	MCL/HBL	No Exceedance
MW-30	UA	A6D	Arsenic, total	mg/L	02/25/2021 - 09/06/2023	11	9.1	CB around linear reg	0.0017	0.010	MCL/HBL	No Exceedance
MW-30	UA	A6DR	Arsenic, total	mg/L	02/25/2021 - 11/28/2023	12	8.3	CB around linear reg	0.00221	0.010	MCL/HBL	No Exceedance
MW-30	UA	A6	Barium, total	mg/L	02/25/2021 - 01/31/2023	9	0	CI around mean	0.148	2.0	MCL/HBL	No Exceedance



**TABLE 6**  
**DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS**  
 2023 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	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-30	UA	A6R	Barium, total	mg/L	02/25/2021 - 06/13/2023	10	0	CI around mean	0.15	2.0	MCL/HBL	No Exceedance
MW-30	UA	A6D	Barium, total	mg/L	02/25/2021 - 09/06/2023	11	0	CI around mean	0.151	2.0	MCL/HBL	No Exceedance
MW-30	UA	A6DR	Barium, total	mg/L	02/25/2021 - 11/28/2023	12	0	CI around mean	0.152	2.0	MCL/HBL	No Exceedance
MW-30	UA	A6	Beryllium, total	mg/L	02/25/2021 - 01/31/2023	9	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-30	UA	A6R	Beryllium, total	mg/L	02/25/2021 - 06/13/2023	10	100	All ND - Last	0.0005	0.004	MCL/HBL	No Exceedance
MW-30	UA	A6D	Beryllium, total	mg/L	02/25/2021 - 09/06/2023	11	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-30	UA	A6DR	Beryllium, total	mg/L	02/25/2021 - 11/28/2023	12	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-30	UA	A6	Cadmium, total	mg/L	02/25/2021 - 01/31/2023	9	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-30	UA	A6R	Cadmium, total	mg/L	02/25/2021 - 06/13/2023	10	100	All ND - Last	0.002	0.005	MCL/HBL	No Exceedance
MW-30	UA	A6D	Cadmium, total	mg/L	02/25/2021 - 09/06/2023	11	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-30	UA	A6DR	Cadmium, total	mg/L	02/25/2021 - 11/28/2023	12	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-30	UA	A6	Chromium, total	mg/L	02/25/2021 - 01/31/2023	9	67	CI around median	0.0015	0.1	MCL/HBL	No Exceedance
MW-30	UA	A6R	Chromium, total	mg/L	02/25/2021 - 06/13/2023	10	70	CI around median	0.0015	0.1	MCL/HBL	No Exceedance
MW-30	UA	A6D	Chromium, total	mg/L	02/25/2021 - 09/06/2023	11	73	CI around median	0.0015	0.1	MCL/HBL	No Exceedance
MW-30	UA	A6DR	Chromium, total	mg/L	02/25/2021 - 11/28/2023	12	75	CI around median	0.0015	0.1	MCL/HBL	No Exceedance
MW-30	UA	A6	Cobalt, total	mg/L	02/25/2021 - 01/31/2023	9	0	CI around mean	0.00195	0.006	MCL/HBL	No Exceedance
MW-30	UA	A6R	Cobalt, total	mg/L	02/25/2021 - 06/13/2023	10	0	CI around mean	0.00202	0.006	MCL/HBL	No Exceedance
MW-30	UA	A6D	Cobalt, total	mg/L	02/25/2021 - 09/06/2023	11	0	CI around mean	0.00203	0.006	MCL/HBL	No Exceedance
MW-30	UA	A6DR	Cobalt, total	mg/L	02/25/2021 - 11/28/2023	12	0	CI around mean	0.00204	0.006	MCL/HBL	No Exceedance
MW-30	UA	A6	Fluoride, total	mg/L	02/25/2021 - 01/31/2023	9	0	CI around mean	0.23	4.0	MCL/HBL	No Exceedance
MW-30	UA	A6R	Fluoride, total	mg/L	02/25/2021 - 06/13/2023	10	0	CB around linear reg	0.248	4.0	MCL/HBL	No Exceedance
MW-30	UA	A6D	Fluoride, total	mg/L	02/25/2021 - 09/06/2023	11	0	CB around linear reg	0.273	4.0	MCL/HBL	No Exceedance
MW-30	UA	A6DR	Fluoride, total	mg/L	02/25/2021 - 11/28/2023	12	0	CB around linear reg	0.294	4.0	MCL/HBL	No Exceedance
MW-30	UA	A6	Lead, total	mg/L	02/25/2021 - 01/31/2023	9	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
MW-30	UA	A6R	Lead, total	mg/L	02/25/2021 - 06/13/2023	10	100	All ND - Last	0.0075	0.015	MCL/HBL	No Exceedance
MW-30	UA	A6D	Lead, total	mg/L	02/25/2021 - 09/06/2023	11	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
MW-30	UA	A6DR	Lead, total	mg/L	02/25/2021 - 11/28/2023	12	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance

**TABLE 6**  
**DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS**  
 2023 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	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-30	UA	A6	Lithium, total	mg/L	02/25/2021 - 01/31/2023	9	78	CB around T-S line	-0.0232	0.04	MCL/HBL	No Exceedance
MW-30	UA	A6R	Lithium, total	mg/L	02/25/2021 - 06/13/2023	10	80	CB around T-S line	-0.0119	0.04	MCL/HBL	No Exceedance
MW-30	UA	A6D	Lithium, total	mg/L	02/25/2021 - 09/06/2023	11	82	CB around T-S line	-0.0131	0.04	MCL/HBL	No Exceedance
MW-30	UA	A6DR	Lithium, total	mg/L	02/25/2021 - 11/28/2023	12	83	CB around T-S line	-0.00798	0.04	MCL/HBL	No Exceedance
MW-30	UA	A6	Mercury, total	mg/L	02/25/2021 - 01/31/2023	9	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-30	UA	A6R	Mercury, total	mg/L	02/25/2021 - 06/13/2023	10	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-30	UA	A6D	Mercury, total	mg/L	02/25/2021 - 09/06/2023	11	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-30	UA	A6DR	Mercury, total	mg/L	02/25/2021 - 11/28/2023	12	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-30	UA	A6	Molybdenum, total	mg/L	02/25/2021 - 01/31/2023	9	33	CI around mean	0.00131	0.1	MCL/HBL	No Exceedance
MW-30	UA	A6R	Molybdenum, total	mg/L	02/25/2021 - 06/13/2023	10	40	CI around geomean	0.00148	0.1	MCL/HBL	No Exceedance
MW-30	UA	A6D	Molybdenum, total	mg/L	02/25/2021 - 09/06/2023	11	36	CI around geomean	0.00155	0.1	MCL/HBL	No Exceedance
MW-30	UA	A6DR	Molybdenum, total	mg/L	02/25/2021 - 11/28/2023	12	33	CI around median	0.0015	0.1	MCL/HBL	No Exceedance
MW-30	UA	A6	Radium 226 + Radium 228, total	pCi/L	02/25/2021 - 01/31/2023	9	0	CI around geomean	0.566	5	MCL/HBL	No Exceedance
MW-30	UA	A6R	Radium 226 + Radium 228, total	pCi/L	02/25/2021 - 06/13/2023	10	0	CI around geomean	0.536	5	MCL/HBL	No Exceedance
MW-30	UA	A6D	Radium 226 + Radium 228, total	pCi/L	02/25/2021 - 09/06/2023	11	0	CI around geomean	0.54	5	MCL/HBL	No Exceedance
MW-30	UA	A6DR	Radium 226 + Radium 228, total	pCi/L	02/25/2021 - 11/28/2023	12	0	CI around geomean	0.564	5	MCL/HBL	No Exceedance
MW-30	UA	A6	Selenium, total	mg/L	02/25/2021 - 01/31/2023	9	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-30	UA	A6R	Selenium, total	mg/L	02/25/2021 - 06/13/2023	10	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-30	UA	A6D	Selenium, total	mg/L	02/25/2021 - 09/06/2023	11	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-30	UA	A6DR	Selenium, total	mg/L	02/25/2021 - 11/28/2023	12	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-30	UA	A6	Thallium, total	mg/L	02/25/2021 - 01/31/2023	9	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-30	UA	A6R	Thallium, total	mg/L	02/25/2021 - 06/13/2023	10	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-30	UA	A6D	Thallium, total	mg/L	02/25/2021 - 09/06/2023	11	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-30	UA	A6DR	Thallium, total	mg/L	02/25/2021 - 11/28/2023	12	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-31	UA	A6	Antimony, total	mg/L	02/24/2021 - 01/31/2023	9	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-31	UA	A6R	Antimony, total	mg/L	02/24/2021 - 06/13/2023	10	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-31	UA	A6D	Antimony, total	mg/L	02/24/2021 - 09/06/2023	11	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance

**TABLE 6**  
**DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS**  
 2023 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	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-31	UA	A6DR	Antimony, total	mg/L	02/24/2021 - 11/27/2023	12	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-31	UA	A6	Arsenic, total	mg/L	02/24/2021 - 01/31/2023	9	0	CI around mean	0.00243	0.010	MCL/HBL	No Exceedance
MW-31	UA	A6R	Arsenic, total	mg/L	02/24/2021 - 06/13/2023	10	10	CI around mean	0.00237	0.010	MCL/HBL	No Exceedance
MW-31	UA	A6D	Arsenic, total	mg/L	02/24/2021 - 09/06/2023	11	9.1	CI around mean	0.00235	0.010	MCL/HBL	No Exceedance
MW-31	UA	A6DR	Arsenic, total	mg/L	02/24/2021 - 11/27/2023	12	8.3	CI around mean	0.00238	0.010	MCL/HBL	No Exceedance
MW-31	UA	A6	Barium, total	mg/L	02/24/2021 - 01/31/2023	9	0	CI around mean	0.215	2.0	MCL/HBL	No Exceedance
MW-31	UA	A6R	Barium, total	mg/L	02/24/2021 - 06/13/2023	10	0	CI around mean	0.217	2.0	MCL/HBL	No Exceedance
MW-31	UA	A6D	Barium, total	mg/L	02/24/2021 - 09/06/2023	11	0	CI around mean	0.215	2.0	MCL/HBL	No Exceedance
MW-31	UA	A6DR	Barium, total	mg/L	02/24/2021 - 11/27/2023	12	0	CI around mean	0.219	2.0	MCL/HBL	No Exceedance
MW-31	UA	A6	Beryllium, total	mg/L	02/24/2021 - 01/31/2023	9	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-31	UA	A6R	Beryllium, total	mg/L	02/24/2021 - 06/13/2023	10	100	All ND - Last	0.0005	0.004	MCL/HBL	No Exceedance
MW-31	UA	A6D	Beryllium, total	mg/L	02/24/2021 - 09/06/2023	11	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-31	UA	A6DR	Beryllium, total	mg/L	02/24/2021 - 11/27/2023	12	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-31	UA	A6	Cadmium, total	mg/L	02/24/2021 - 01/31/2023	9	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-31	UA	A6R	Cadmium, total	mg/L	02/24/2021 - 06/13/2023	10	100	All ND - Last	0.002	0.005	MCL/HBL	No Exceedance
MW-31	UA	A6D	Cadmium, total	mg/L	02/24/2021 - 09/06/2023	11	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-31	UA	A6DR	Cadmium, total	mg/L	02/24/2021 - 11/27/2023	12	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-31	UA	A6	Chromium, total	mg/L	02/24/2021 - 01/31/2023	9	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
MW-31	UA	A6R	Chromium, total	mg/L	02/24/2021 - 06/13/2023	10	100	All ND - Last	0.005	0.1	MCL/HBL	No Exceedance
MW-31	UA	A6D	Chromium, total	mg/L	02/24/2021 - 09/06/2023	11	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
MW-31	UA	A6DR	Chromium, total	mg/L	02/24/2021 - 11/27/2023	12	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
MW-31	UA	A6	Cobalt, total	mg/L	02/24/2021 - 01/31/2023	9	89	CI around median	0.001	0.006	MCL/HBL	No Exceedance
MW-31	UA	A6R	Cobalt, total	mg/L	02/24/2021 - 06/13/2023	10	80	CI around median	0.001	0.006	MCL/HBL	No Exceedance
MW-31	UA	A6D	Cobalt, total	mg/L	02/24/2021 - 09/06/2023	11	82	CI around median	0.001	0.006	MCL/HBL	No Exceedance
MW-31	UA	A6DR	Cobalt, total	mg/L	02/24/2021 - 11/27/2023	12	83	CI around median	0.001	0.006	MCL/HBL	No Exceedance
MW-31	UA	A6	Fluoride, total	mg/L	02/24/2021 - 01/31/2023	9	0	CI around mean	0.167	4.0	MCL/HBL	No Exceedance
MW-31	UA	A6R	Fluoride, total	mg/L	02/24/2021 - 06/13/2023	10	0	CB around linear reg	0.131	4.0	MCL/HBL	No Exceedance

**TABLE 6**  
**DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS**  
 2023 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	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-31	UA	A6D	Fluoride, total	mg/L	02/24/2021 - 09/06/2023	11	0	CI around mean	0.167	4.0	MCL/HBL	No Exceedance
MW-31	UA	A6DR	Fluoride, total	mg/L	02/24/2021 - 11/27/2023	12	0	CI around mean	0.167	4.0	MCL/HBL	No Exceedance
MW-31	UA	A6	Lead, total	mg/L	02/24/2021 - 01/31/2023	9	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
MW-31	UA	A6R	Lead, total	mg/L	02/24/2021 - 06/13/2023	10	100	All ND - Last	0.0075	0.015	MCL/HBL	No Exceedance
MW-31	UA	A6D	Lead, total	mg/L	02/24/2021 - 09/06/2023	11	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
MW-31	UA	A6DR	Lead, total	mg/L	02/24/2021 - 11/27/2023	12	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
MW-31	UA	A6	Lithium, total	mg/L	02/24/2021 - 01/31/2023	9	0	CI around mean	0.00484	0.04	MCL/HBL	No Exceedance
MW-31	UA	A6R	Lithium, total	mg/L	02/24/2021 - 06/13/2023	10	0	CI around mean	0.00488	0.04	MCL/HBL	No Exceedance
MW-31	UA	A6D	Lithium, total	mg/L	02/24/2021 - 09/06/2023	11	0	CI around mean	0.00462	0.04	MCL/HBL	No Exceedance
MW-31	UA	A6DR	Lithium, total	mg/L	02/24/2021 - 11/27/2023	12	0	CI around mean	0.00471	0.04	MCL/HBL	No Exceedance
MW-31	UA	A6	Mercury, total	mg/L	02/24/2021 - 01/31/2023	9	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-31	UA	A6R	Mercury, total	mg/L	02/24/2021 - 06/13/2023	10	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-31	UA	A6D	Mercury, total	mg/L	02/24/2021 - 09/06/2023	11	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-31	UA	A6DR	Mercury, total	mg/L	02/24/2021 - 11/27/2023	12	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-31	UA	A6	Molybdenum, total	mg/L	02/24/2021 - 01/31/2023	9	33	CB around linear reg	-0.000147	0.1	MCL/HBL	No Exceedance
MW-31	UA	A6R	Molybdenum, total	mg/L	02/24/2021 - 06/13/2023	10	40	CI around median	0.0015	0.1	MCL/HBL	No Exceedance
MW-31	UA	A6D	Molybdenum, total	mg/L	02/24/2021 - 09/06/2023	11	45	CI around median	0.0015	0.1	MCL/HBL	No Exceedance
MW-31	UA	A6DR	Molybdenum, total	mg/L	02/24/2021 - 11/27/2023	12	50	CI around median	0.0015	0.1	MCL/HBL	No Exceedance
MW-31	UA	A6	Radium 226 + Radium 228, total	pCi/L	02/24/2021 - 01/31/2023	9	0	CI around mean	0.486	5	MCL/HBL	No Exceedance
MW-31	UA	A6R	Radium 226 + Radium 228, total	pCi/L	02/24/2021 - 06/13/2023	10	0	CI around mean	0.491	5	MCL/HBL	No Exceedance
MW-31	UA	A6D	Radium 226 + Radium 228, total	pCi/L	02/24/2021 - 09/06/2023	11	0	CI around mean	0.51	5	MCL/HBL	No Exceedance
MW-31	UA	A6DR	Radium 226 + Radium 228, total	pCi/L	02/24/2021 - 11/27/2023	12	0	CI around mean	0.554	5	MCL/HBL	No Exceedance
MW-31	UA	A6	Selenium, total	mg/L	02/24/2021 - 01/31/2023	9	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-31	UA	A6R	Selenium, total	mg/L	02/24/2021 - 06/13/2023	10	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-31	UA	A6D	Selenium, total	mg/L	02/24/2021 - 09/06/2023	11	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-31	UA	A6DR	Selenium, total	mg/L	02/24/2021 - 11/27/2023	12	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-31	UA	A6	Thallium, total	mg/L	02/24/2021 - 01/31/2023	9	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance

**TABLE 6**  
**DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS**  
 2023 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	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-31	UA	A6R	Thallium, total	mg/L	02/24/2021 - 06/13/2023	10	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-31	UA	A6D	Thallium, total	mg/L	02/24/2021 - 09/06/2023	11	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-31	UA	A6DR	Thallium, total	mg/L	02/24/2021 - 11/27/2023	12	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-31S	USCU	A6	Antimony, total	mg/L	02/24/2021 - 01/31/2023	9	78	CI around median	0.001	0.006	MCL/HBL	No Exceedance
MW-31S	USCU	A6D	Antimony, total	mg/L	02/24/2021 - 09/06/2023	10	80	CI around median	0.001	0.006	MCL/HBL	No Exceedance
MW-31S	USCU	A6DR	Antimony, total	mg/L	02/24/2021 - 11/27/2023	11	82	CI around median	0.001	0.006	MCL/HBL	No Exceedance
MW-31S	USCU	A6	Arsenic, total	mg/L	02/24/2021 - 01/31/2023	9	0	CI around mean	0.0034	0.010	MCL/HBL	No Exceedance
MW-31S	USCU	A6D	Arsenic, total	mg/L	02/24/2021 - 09/06/2023	10	0	CI around mean	0.00449	0.010	MCL/HBL	No Exceedance
MW-31S	USCU	A6DR	Arsenic, total	mg/L	02/24/2021 - 11/27/2023	11	0	CI around mean	0.00544	0.010	MCL/HBL	No Exceedance
MW-31S	USCU	A6	Barium, total	mg/L	02/24/2021 - 01/31/2023	9	0	CI around mean	0.157	2.0	MCL/HBL	No Exceedance
MW-31S	USCU	A6D	Barium, total	mg/L	02/24/2021 - 09/06/2023	10	0	CI around geomean	0.191	2.0	MCL/HBL	No Exceedance
MW-31S	USCU	A6DR	Barium, total	mg/L	02/24/2021 - 11/27/2023	11	0	CI around mean	0.19	2.0	MCL/HBL	No Exceedance
MW-31S	USCU	A6	Beryllium, total	mg/L	02/24/2021 - 01/31/2023	9	89	CI around median	0.001	0.004	MCL/HBL	No Exceedance
MW-31S	USCU	A6D	Beryllium, total	mg/L	02/24/2021 - 09/06/2023	10	90	CI around median	0.001	0.004	MCL/HBL	No Exceedance
MW-31S	USCU	A6DR	Beryllium, total	mg/L	02/24/2021 - 11/27/2023	11	91	CI around median	0.001	0.004	MCL/HBL	No Exceedance
MW-31S	USCU	A6	Cadmium, total	mg/L	02/24/2021 - 01/31/2023	9	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-31S	USCU	A6D	Cadmium, total	mg/L	02/24/2021 - 09/06/2023	10	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-31S	USCU	A6DR	Cadmium, total	mg/L	02/24/2021 - 11/27/2023	11	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-31S	USCU	A6	Chromium, total	mg/L	02/24/2021 - 01/31/2023	9	33	CI around geomean	0.00186	0.1	MCL/HBL	No Exceedance
MW-31S	USCU	A6D	Chromium, total	mg/L	02/24/2021 - 09/06/2023	10	40	CI around geomean	0.00175	0.1	MCL/HBL	No Exceedance
MW-31S	USCU	A6DR	Chromium, total	mg/L	02/24/2021 - 11/27/2023	11	45	CI around geomean	0.00168	0.1	MCL/HBL	No Exceedance
MW-31S	USCU	A6	Cobalt, total	mg/L	02/24/2021 - 01/31/2023	9	0	CI around geomean	0.00265	0.006	MCL/HBL	No Exceedance
MW-31S	USCU	A6D	Cobalt, total	mg/L	02/24/2021 - 09/06/2023	10	0	CI around geomean	0.00281	0.006	MCL/HBL	No Exceedance
MW-31S	USCU	A6DR	Cobalt, total	mg/L	02/24/2021 - 11/27/2023	11	0	CI around geomean	0.00295	0.006	MCL/HBL	No Exceedance
MW-31S	USCU	A6	Fluoride, total	mg/L	02/24/2021 - 01/31/2023	9	0	CI around mean	0.211	4.0	MCL/HBL	No Exceedance
MW-31S	USCU	A6D	Fluoride, total	mg/L	--	--	--	--	--	4.0	MCL/HBL	--
MW-31S	USCU	A6DR	Fluoride, total	mg/L	02/24/2021 - 11/27/2023	10	0	CI around mean	0.214	4.0	MCL/HBL	No Exceedance

**TABLE 6**  
**DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS**  
 2023 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	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-31S	USCU	A6	Lead, total	mg/L	02/24/2021 - 01/31/2023	9	33	CI around geomean	0.00104	0.015	MCL/HBL	No Exceedance
MW-31S	USCU	A6D	Lead, total	mg/L	02/24/2021 - 09/06/2023	10	30	CI around geomean	0.00116	0.015	MCL/HBL	No Exceedance
MW-31S	USCU	A6DR	Lead, total	mg/L	02/24/2021 - 11/27/2023	11	27	CI around geomean	0.000887	0.015	MCL/HBL	No Exceedance
MW-31S	USCU	A6	Lithium, total	mg/L	02/24/2021 - 01/31/2023	9	44	CI around geomean	0.00233	0.04	MCL/HBL	No Exceedance
MW-31S	USCU	A6D	Lithium, total	mg/L	02/24/2021 - 09/06/2023	10	50	CI around median	0.003	0.04	MCL/HBL	No Exceedance
MW-31S	USCU	A6DR	Lithium, total	mg/L	02/24/2021 - 11/27/2023	11	55	CI around median	0.003	0.04	MCL/HBL	No Exceedance
MW-31S	USCU	A6	Mercury, total	mg/L	02/24/2021 - 01/31/2023	9	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-31S	USCU	A6D	Mercury, total	mg/L	02/24/2021 - 09/06/2023	10	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-31S	USCU	A6DR	Mercury, total	mg/L	02/24/2021 - 11/27/2023	11	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-31S	USCU	A6	Molybdenum, total	mg/L	02/24/2021 - 01/31/2023	9	11	CI around mean	0.00231	0.1	MCL/HBL	No Exceedance
MW-31S	USCU	A6D	Molybdenum, total	mg/L	02/24/2021 - 09/06/2023	10	20	CI around mean	0.00238	0.1	MCL/HBL	No Exceedance
MW-31S	USCU	A6DR	Molybdenum, total	mg/L	02/24/2021 - 11/27/2023	11	27	CI around mean	0.00221	0.1	MCL/HBL	No Exceedance
MW-31S	USCU	A6	Radium 226 + Radium 228, total	pCi/L	02/24/2021 - 01/31/2023	9	0	CI around mean	0.823	5	MCL/HBL	No Exceedance
MW-31S	USCU	A6D	Radium 226 + Radium 228, total	pCi/L	--	--	--	--	--	5	MCL/HBL	--
MW-31S	USCU	A6DR	Radium 226 + Radium 228, total	pCi/L	02/24/2021 - 11/27/2023	10	0	CI around mean	0.884	5	MCL/HBL	No Exceedance
MW-31S	USCU	A6	Selenium, total	mg/L	02/24/2021 - 01/31/2023	9	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-31S	USCU	A6D	Selenium, total	mg/L	02/24/2021 - 09/06/2023	10	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-31S	USCU	A6DR	Selenium, total	mg/L	02/24/2021 - 11/27/2023	11	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-31S	USCU	A6	Thallium, total	mg/L	02/24/2021 - 01/31/2023	9	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-31S	USCU	A6D	Thallium, total	mg/L	02/24/2021 - 09/06/2023	10	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-31S	USCU	A6DR	Thallium, total	mg/L	02/24/2021 - 11/27/2023	11	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-32	UA	A6	Antimony, total	mg/L	02/25/2021 - 01/31/2023	9	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-32	UA	A6R	Antimony, total	mg/L	02/25/2021 - 06/13/2023	10	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-32	UA	A6D	Antimony, total	mg/L	02/25/2021 - 09/06/2023	11	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-32	UA	A6DR	Antimony, total	mg/L	02/25/2021 - 11/27/2023	12	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-32	UA	A6	Arsenic, total	mg/L	02/25/2021 - 01/31/2023	9	89	CI around median	0.001	0.010	MCL/HBL	No Exceedance
MW-32	UA	A6R	Arsenic, total	mg/L	02/25/2021 - 06/13/2023	10	90	CI around median	0.001	0.010	MCL/HBL	No Exceedance

**TABLE 6**  
**DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS**  
 2023 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	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-32	UA	A6D	Arsenic, total	mg/L	02/25/2021 - 09/06/2023	11	91	CI around median	0.001	0.010	MCL/HBL	No Exceedance
MW-32	UA	A6DR	Arsenic, total	mg/L	02/25/2021 - 11/27/2023	12	92	CI around median	0.001	0.010	MCL/HBL	No Exceedance
MW-32	UA	A6	Barium, total	mg/L	02/25/2021 - 01/31/2023	9	0	CB around linear reg	0.0187	2.0	MCL/HBL	No Exceedance
MW-32	UA	A6R	Barium, total	mg/L	02/25/2021 - 06/13/2023	10	0	CB around linear reg	0.0257	2.0	MCL/HBL	No Exceedance
MW-32	UA	A6D	Barium, total	mg/L	02/25/2021 - 09/06/2023	11	0	CB around linear reg	0.029	2.0	MCL/HBL	No Exceedance
MW-32	UA	A6DR	Barium, total	mg/L	02/25/2021 - 11/27/2023	12	0	CB around linear reg	0.03	2.0	MCL/HBL	No Exceedance
MW-32	UA	A6	Beryllium, total	mg/L	02/25/2021 - 01/31/2023	9	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-32	UA	A6R	Beryllium, total	mg/L	02/25/2021 - 06/13/2023	10	100	All ND - Last	0.0005	0.004	MCL/HBL	No Exceedance
MW-32	UA	A6D	Beryllium, total	mg/L	02/25/2021 - 09/06/2023	11	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-32	UA	A6DR	Beryllium, total	mg/L	02/25/2021 - 11/27/2023	12	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
MW-32	UA	A6	Cadmium, total	mg/L	02/25/2021 - 01/31/2023	9	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-32	UA	A6R	Cadmium, total	mg/L	02/25/2021 - 06/13/2023	10	100	All ND - Last	0.002	0.005	MCL/HBL	No Exceedance
MW-32	UA	A6D	Cadmium, total	mg/L	02/25/2021 - 09/06/2023	11	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-32	UA	A6DR	Cadmium, total	mg/L	02/25/2021 - 11/27/2023	12	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-32	UA	A6	Chromium, total	mg/L	02/25/2021 - 01/31/2023	9	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
MW-32	UA	A6R	Chromium, total	mg/L	02/25/2021 - 06/13/2023	10	100	All ND - Last	0.005	0.1	MCL/HBL	No Exceedance
MW-32	UA	A6D	Chromium, total	mg/L	02/25/2021 - 09/06/2023	11	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
MW-32	UA	A6DR	Chromium, total	mg/L	02/25/2021 - 11/27/2023	12	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
MW-32	UA	A6	Cobalt, total	mg/L	02/25/2021 - 01/31/2023	9	67	CI around median	0.001	0.006	MCL/HBL	No Exceedance
MW-32	UA	A6R	Cobalt, total	mg/L	02/25/2021 - 06/13/2023	10	70	CI around median	0.001	0.006	MCL/HBL	No Exceedance
MW-32	UA	A6D	Cobalt, total	mg/L	02/25/2021 - 09/06/2023	11	73	CI around median	0.001	0.006	MCL/HBL	No Exceedance
MW-32	UA	A6DR	Cobalt, total	mg/L	02/25/2021 - 11/27/2023	12	75	CI around median	0.001	0.006	MCL/HBL	No Exceedance
MW-32	UA	A6	Fluoride, total	mg/L	02/25/2021 - 01/31/2023	9	0	CI around mean	0.17	4.0	MCL/HBL	No Exceedance
MW-32	UA	A6R	Fluoride, total	mg/L	02/25/2021 - 06/13/2023	10	0	CI around mean	0.17	4.0	MCL/HBL	No Exceedance
MW-32	UA	A6D	Fluoride, total	mg/L	02/25/2021 - 09/06/2023	11	0	CI around mean	0.171	4.0	MCL/HBL	No Exceedance
MW-32	UA	A6DR	Fluoride, total	mg/L	02/25/2021 - 11/27/2023	12	0	CI around mean	0.171	4.0	MCL/HBL	No Exceedance
MW-32	UA	A6	Lead, total	mg/L	02/25/2021 - 01/31/2023	9	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance

**TABLE 6**  
**DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS**  
 2023 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	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-32	UA	A6R	Lead, total	mg/L	02/25/2021 - 06/13/2023	10	100	All ND - Last	0.0075	0.015	MCL/HBL	No Exceedance
MW-32	UA	A6D	Lead, total	mg/L	02/25/2021 - 09/06/2023	11	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
MW-32	UA	A6DR	Lead, total	mg/L	02/25/2021 - 11/27/2023	12	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
MW-32	UA	A6	Lithium, total	mg/L	02/25/2021 - 01/31/2023	9	100	All ND - Last	0.003	0.04	MCL/HBL	No Exceedance
MW-32	UA	A6R	Lithium, total	mg/L	02/25/2021 - 06/13/2023	10	100	All ND - Last	0.003	0.04	MCL/HBL	No Exceedance
MW-32	UA	A6D	Lithium, total	mg/L	02/25/2021 - 09/06/2023	11	100	All ND - Last	0.003	0.04	MCL/HBL	No Exceedance
MW-32	UA	A6DR	Lithium, total	mg/L	02/25/2021 - 11/27/2023	12	100	All ND - Last	0.003	0.04	MCL/HBL	No Exceedance
MW-32	UA	A6	Mercury, total	mg/L	02/25/2021 - 01/31/2023	9	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-32	UA	A6R	Mercury, total	mg/L	02/25/2021 - 06/13/2023	10	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-32	UA	A6D	Mercury, total	mg/L	02/25/2021 - 09/06/2023	11	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-32	UA	A6DR	Mercury, total	mg/L	02/25/2021 - 11/27/2023	12	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
MW-32	UA	A6	Molybdenum, total	mg/L	02/25/2021 - 01/31/2023	9	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
MW-32	UA	A6R	Molybdenum, total	mg/L	02/25/2021 - 06/13/2023	10	100	All ND - Last	0.01	0.1	MCL/HBL	No Exceedance
MW-32	UA	A6D	Molybdenum, total	mg/L	02/25/2021 - 09/06/2023	11	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
MW-32	UA	A6DR	Molybdenum, total	mg/L	02/25/2021 - 11/27/2023	12	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
MW-32	UA	A6	Radium 226 + Radium 228, total	pCi/L	02/25/2021 - 01/31/2023	9	0	CI around mean	-0.0541	5	MCL/HBL	No Exceedance
MW-32	UA	A6R	Radium 226 + Radium 228, total	pCi/L	02/25/2021 - 06/13/2023	10	0	CI around median	0	5	MCL/HBL	No Exceedance
MW-32	UA	A6D	Radium 226 + Radium 228, total	pCi/L	02/25/2021 - 09/06/2023	11	0	CI around mean	0.0518	5	MCL/HBL	No Exceedance
MW-32	UA	A6DR	Radium 226 + Radium 228, total	pCi/L	02/25/2021 - 11/27/2023	12	0	CI around mean	0.0996	5	MCL/HBL	No Exceedance
MW-32	UA	A6	Selenium, total	mg/L	02/25/2021 - 01/31/2023	9	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-32	UA	A6R	Selenium, total	mg/L	02/25/2021 - 06/13/2023	10	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-32	UA	A6D	Selenium, total	mg/L	02/25/2021 - 09/06/2023	11	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-32	UA	A6DR	Selenium, total	mg/L	02/25/2021 - 11/27/2023	12	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-32	UA	A6	Thallium, total	mg/L	02/25/2021 - 01/31/2023	9	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-32	UA	A6R	Thallium, total	mg/L	02/25/2021 - 06/13/2023	10	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-32	UA	A6D	Thallium, total	mg/L	02/25/2021 - 09/06/2023	11	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
MW-32	UA	A6DR	Thallium, total	mg/L	02/25/2021 - 11/27/2023	12	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance



**TABLE 6**  
**DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS**  
 2023 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	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
PZ-4C	UA	A6	Antimony, total	mg/L	02/25/2021 - 01/31/2023	9	100	All ND - Last	0.004	0.006	MCL/HBL	No Exceedance
PZ-4C	UA	A6R	Antimony, total	mg/L	02/25/2021 - 06/13/2023	10	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
PZ-4C	UA	A6D	Antimony, total	mg/L	--	--	--	--	--	0.006	MCL/HBL	--
PZ-4C	UA	A6DR	Antimony, total	mg/L	02/25/2021 - 11/28/2023	11	91	CI around median	0.001	0.006	MCL/HBL	No Exceedance
PZ-4C	UA	A6	Arsenic, total	mg/L	02/25/2021 - 01/31/2023	9	44	CB around linear reg	0.023	0.010	MCL/HBL	Determined
PZ-4C	UA	A6R	Arsenic, total	mg/L	02/25/2021 - 06/13/2023	10	50	CB around T-S line	0.001	0.010	MCL/HBL	No Exceedance
PZ-4C	UA	A6D	Arsenic, total	mg/L	--	--	--	--	--	0.010	MCL/HBL	--
PZ-4C	UA	A6DR	Arsenic, total	mg/L	02/25/2021 - 11/28/2023	11	45	CB around T-S line	0.001	0.010	MCL/HBL	No Exceedance
PZ-4C	UA	A6	Barium, total	mg/L	02/25/2021 - 01/31/2023	9	0	CB around linear reg	1.36	2.0	MCL/HBL	No Exceedance
PZ-4C	UA	A6R	Barium, total	mg/L	02/25/2021 - 06/13/2023	10	0	CB around T-S line	0.274	2.0	MCL/HBL	No Exceedance
PZ-4C	UA	A6D	Barium, total	mg/L	--	--	--	--	--	2.0	MCL/HBL	--
PZ-4C	UA	A6DR	Barium, total	mg/L	02/25/2021 - 11/28/2023	11	0	CI around median	0.25	2.0	MCL/HBL	No Exceedance
PZ-4C	UA	A6	Beryllium, total	mg/L	02/25/2021 - 01/31/2023	9	89	CI around median	0.001	0.004	MCL/HBL	No Exceedance
PZ-4C	UA	A6R	Beryllium, total	mg/L	02/25/2021 - 06/13/2023	10	90	CI around median	0.001	0.004	MCL/HBL	No Exceedance
PZ-4C	UA	A6D	Beryllium, total	mg/L	--	--	--	--	--	0.004	MCL/HBL	--
PZ-4C	UA	A6DR	Beryllium, total	mg/L	02/25/2021 - 11/28/2023	11	91	CI around median	0.001	0.004	MCL/HBL	No Exceedance
PZ-4C	UA	A6	Cadmium, total	mg/L	02/25/2021 - 01/31/2023	9	89	CI around median	0.001	0.005	MCL/HBL	No Exceedance
PZ-4C	UA	A6R	Cadmium, total	mg/L	02/25/2021 - 06/13/2023	10	90	CI around median	0.001	0.005	MCL/HBL	No Exceedance
PZ-4C	UA	A6D	Cadmium, total	mg/L	--	--	--	--	--	0.005	MCL/HBL	--
PZ-4C	UA	A6DR	Cadmium, total	mg/L	02/25/2021 - 11/28/2023	11	91	CI around median	0.001	0.005	MCL/HBL	No Exceedance
PZ-4C	UA	A6	Chromium, total	mg/L	02/25/2021 - 01/31/2023	9	33	CI around median	0.0015	0.1	MCL/HBL	No Exceedance
PZ-4C	UA	A6R	Chromium, total	mg/L	02/25/2021 - 06/13/2023	10	40	CI around median	0.0015	0.1	MCL/HBL	No Exceedance
PZ-4C	UA	A6D	Chromium, total	mg/L	--	--	--	--	--	0.1	MCL/HBL	--
PZ-4C	UA	A6DR	Chromium, total	mg/L	02/25/2021 - 11/28/2023	11	45	CI around median	0.0015	0.1	MCL/HBL	No Exceedance
PZ-4C	UA	A6	Cobalt, total	mg/L	02/25/2021 - 01/31/2023	9	67	CI around median	0.001	0.006	MCL/HBL	No Exceedance
PZ-4C	UA	A6R	Cobalt, total	mg/L	02/25/2021 - 06/13/2023	10	70	CI around median	0.001	0.006	MCL/HBL	No Exceedance
PZ-4C	UA	A6D	Cobalt, total	mg/L	--	--	--	--	--	0.006	MCL/HBL	--

**TABLE 6**  
**DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS**  
2023 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	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
PZ-4C	UA	A6DR	Cobalt, total	mg/L	02/25/2021 - 11/28/2023	11	73	CI around median	0.001	0.006	MCL/HBL	No Exceedance
PZ-4C	UA	A6	Fluoride, total	mg/L	02/25/2021 - 01/31/2023	9	0	CI around mean	0.391	4.0	MCL/HBL	No Exceedance
PZ-4C	UA	A6R	Fluoride, total	mg/L	02/25/2021 - 06/13/2023	10	0	CI around mean	0.388	4.0	MCL/HBL	No Exceedance
PZ-4C	UA	A6D	Fluoride, total	mg/L	--	--	--	--	--	4.0	MCL/HBL	--
PZ-4C	UA	A6DR	Fluoride, total	mg/L	02/25/2021 - 11/28/2023	11	0	CI around mean	0.39	4.0	MCL/HBL	No Exceedance
PZ-4C	UA	A6	Lead, total	mg/L	02/25/2021 - 01/31/2023	9	44	CB around linear reg	0.126	0.015	MCL/HBL	Determined
PZ-4C	UA	A6R	Lead, total	mg/L	02/25/2021 - 06/13/2023	10	50	CB around T-S line	0.001	0.015	MCL/HBL	No Exceedance
PZ-4C	UA	A6D	Lead, total	mg/L	--	--	--	--	--	0.015	MCL/HBL	--
PZ-4C	UA	A6DR	Lead, total	mg/L	02/25/2021 - 11/28/2023	11	55	CI around median	0.001	0.015	MCL/HBL	No Exceedance
PZ-4C	UA	A6	Lithium, total	mg/L	02/25/2021 - 01/31/2023	9	0	CI around median	0.007	0.04	MCL/HBL	No Exceedance
PZ-4C	UA	A6R	Lithium, total	mg/L	02/25/2021 - 06/13/2023	10	0	CI around median	0.0067	0.04	MCL/HBL	No Exceedance
PZ-4C	UA	A6D	Lithium, total	mg/L	--	--	--	--	--	0.04	MCL/HBL	--
PZ-4C	UA	A6DR	Lithium, total	mg/L	02/25/2021 - 11/28/2023	11	0	CI around median	0.0067	0.04	MCL/HBL	No Exceedance
PZ-4C	UA	A6	Mercury, total	mg/L	02/25/2021 - 01/31/2023	9	89	CI around median	0.0002	0.002	MCL/HBL	No Exceedance
PZ-4C	UA	A6R	Mercury, total	mg/L	02/25/2021 - 06/13/2023	10	90	CI around median	0.0002	0.002	MCL/HBL	No Exceedance
PZ-4C	UA	A6D	Mercury, total	mg/L	--	--	--	--	--	0.002	MCL/HBL	--
PZ-4C	UA	A6DR	Mercury, total	mg/L	02/25/2021 - 11/28/2023	11	91	CI around median	0.0002	0.002	MCL/HBL	No Exceedance
PZ-4C	UA	A6	Molybdenum, total	mg/L	02/25/2021 - 01/31/2023	9	78	CI around median	0.0015	0.1	MCL/HBL	No Exceedance
PZ-4C	UA	A6R	Molybdenum, total	mg/L	02/25/2021 - 06/13/2023	10	80	CI around median	0.0015	0.1	MCL/HBL	No Exceedance
PZ-4C	UA	A6D	Molybdenum, total	mg/L	--	--	--	--	--	0.1	MCL/HBL	--
PZ-4C	UA	A6DR	Molybdenum, total	mg/L	02/25/2021 - 11/28/2023	11	82	CI around median	0.0015	0.1	MCL/HBL	No Exceedance
PZ-4C	UA	A6	Radium 226 + Radium 228, total	pCi/L	02/25/2021 - 01/31/2023	9	0	CI around mean	0.154	5	MCL/HBL	No Exceedance
PZ-4C	UA	A6R	Radium 226 + Radium 228, total	pCi/L	02/25/2021 - 06/13/2023	10	0	CI around geomean	0.439	5	MCL/HBL	No Exceedance
PZ-4C	UA	A6D	Radium 226 + Radium 228, total	pCi/L	--	--	--	--	--	5	MCL/HBL	--
PZ-4C	UA	A6DR	Radium 226 + Radium 228, total	pCi/L	02/25/2021 - 11/28/2023	11	0	CI around geomean	0.465	5	MCL/HBL	No Exceedance
PZ-4C	UA	A6	Selenium, total	mg/L	02/25/2021 - 01/31/2023	9	100	All ND - Last	0.004	0.05	MCL/HBL	No Exceedance
PZ-4C	UA	A6R	Selenium, total	mg/L	02/25/2021 - 06/13/2023	10	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance

**TABLE 6**  
**DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS**  
 2023 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	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
PZ-4C	UA	A6D	Selenium, total	mg/L	--	--	--	--	--	0.05	MCL/HBL	--
PZ-4C	UA	A6DR	Selenium, total	mg/L	02/25/2021 - 11/28/2023	11	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
PZ-4C	UA	A6	Thallium, total	mg/L	02/25/2021 - 01/31/2023	9	100	All ND - Last	0.008	0.002	MCL/HBL	RL > GWPS
PZ-4C	UA	A6R	Thallium, total	mg/L	02/25/2021 - 06/13/2023	10	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
PZ-4C	UA	A6D	Thallium, total	mg/L	--	--	--	--	--	0.002	MCL/HBL	--
PZ-4C	UA	A6DR	Thallium, total	mg/L	02/25/2021 - 11/28/2023	11	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance

**Notes:**

Only SSLs determined in 2023 (see Table A) for 40 C.F.R. § 257 are included

-- = no data available

Statistically Significant Level (SSL) Type:

No Exceedance: No exceedance of the GWPS and no resample was collected.

RL > GWPS: An individual LCL exceeded the GWPS with the RL used as the LCL because the sample result was less than the RL.

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

GWPS = Groundwater Protection Standard

GWPS Source:

MCL/HBL = maximum contaminant level/health-based level

HSU = hydrostratigraphic unit:

UA = Uppermost Aquifer

USCU = Upper Semi-Confining Unit

ID = identification

mg/L = milligrams per liter

ND = non-detect

pCi/L = picocuries per liter

R = resample

RL = reporting limit

Sample Count = number of samples from Sampled Date Range used to calculate the Statistical Result

Statistical Calculation = method used to calculate the statistical result:

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

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

CB around linear reg = Confidence band around linear regression

CI around geomean = Confidence interval around the geometric mean

CI around mean = Confidence interval around the mean

CI around median = Confidence interval around the median

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

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

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## FIGURES

PROJECT: 169000XXXX | DATED: 10/7/2021 | DESIGNER: STOLZSD  
Y:\Mapping\Projects\222286\MXD\845\_Operating\_Permit\Kincaid\GMP\Figure 2-1\_Proposed Monitoring Well Network.mxd



Service Layer Credits: Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

-  BACKGROUND WELL
-  COMPLIANCE WELL
-  STAFF GAGE
-  REGULATED UNIT (SUBJECT UNIT)
-  PROPERTY BOUNDARY



### MONITORING WELL LOCATION MAP

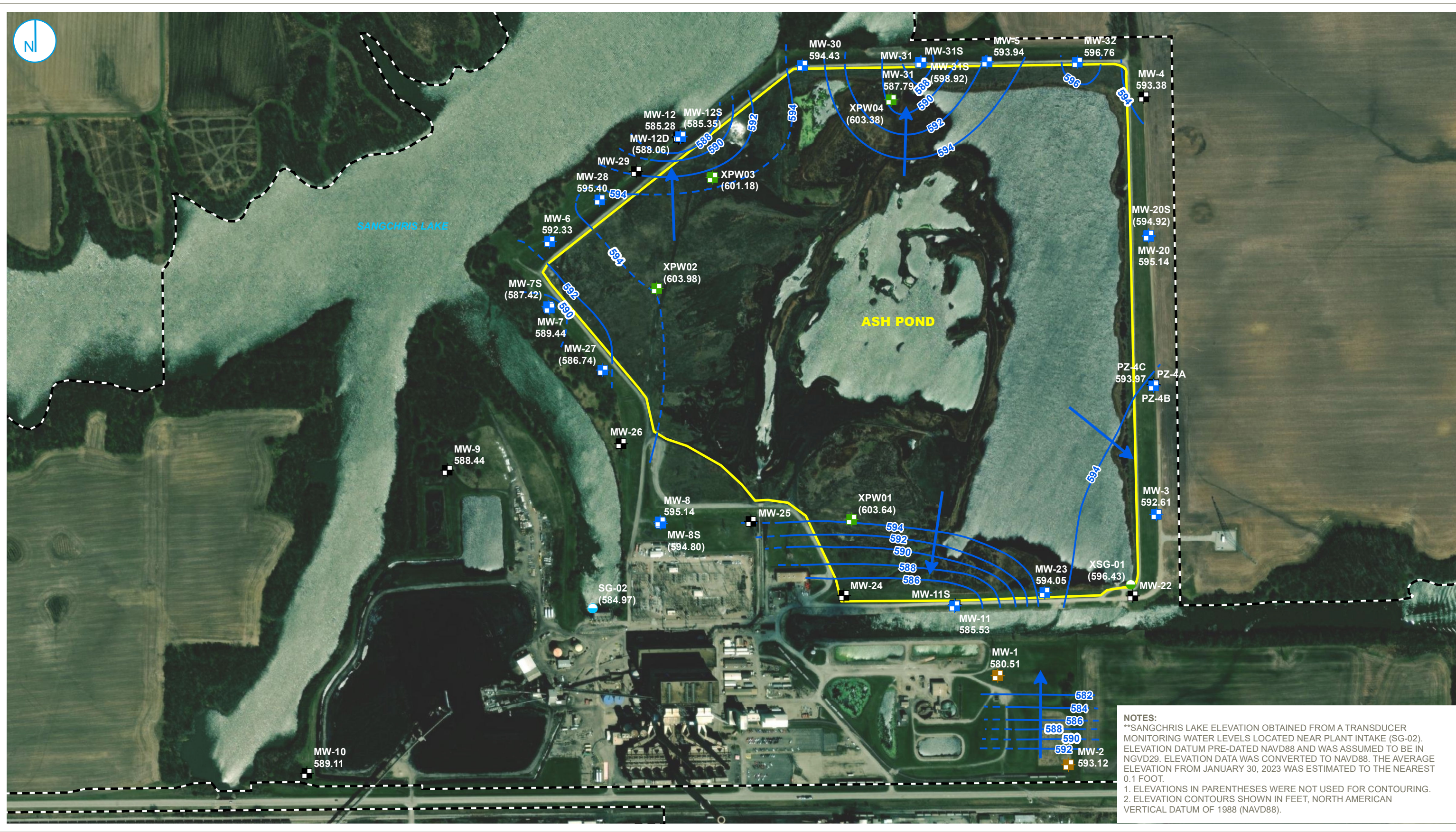
FIGURE 2-1

2023 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT  
ASH POND  
KINCAID POWER PLANT  
KINCAID, ILLINOIS

RAMBOLL AMERICAS  
ENGINEERING SOLUTIONS, INC.



PROJECT: 169000XXXXX | DATED: 5/25/2023 | 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 JANUARY 30, 2023 WAS ESTIMATED TO THE NEAREST 0.1 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
- MONITORING WELL
- BACKGROUND MONITORING WELL
- STAFF GAGE, CCR UNIT
- PORE WATER WELL
- STAFF GAGE, LAKE
- REGULATED UNIT (SUBJECT UNIT)
- PROPERTY BOUNDARY
- GROUNDWATER ELEVATION CONTOUR (2-FT CONTOUR INTERVAL, NAVD88)
- - - INFERRED GROUNDWATER ELEVATION CONTOUR
- GROUNDWATER FLOW DIRECTION



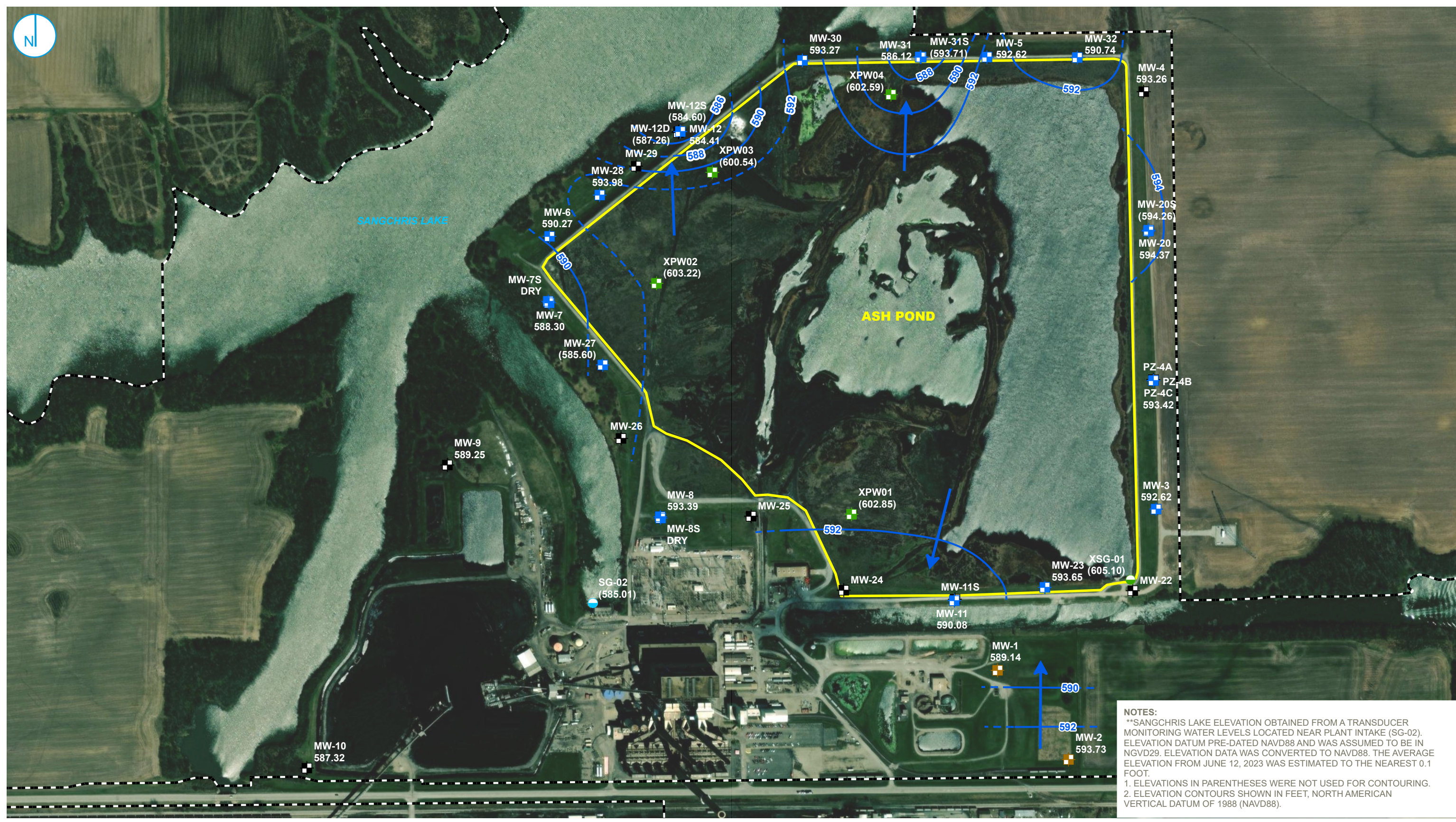
**POTENTIOMETRIC SURFACE MAP  
 JANUARY 30, 2023**

**2023 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT  
 ASH POND  
 KINCAID POWER PLANT  
 KINCAID, ILLINOIS**

**FIGURE 2**

RAMBOLL AMERICAS  
 ENGINEERING SOLUTIONS, INC.





**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 JUNE 12, 2023 WAS ESTIMATED TO THE NEAREST 0.1 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



**POTENTIOMETRIC SURFACE MAP  
 JUNE 12, 2023**

**2023 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT  
 ASH POND  
 KINCAID POWER PLANT  
 KINCAID, ILLINOIS**

**FIGURE 3**

RAMBOLL AMERICAS  
 ENGINEERING SOLUTIONS, INC.





**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 SEPTEMBER 5, 2023 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).  
 3. ELEVATIONS IN BRACKETS WERE OBTAINED OUTSIDE OF THE 24-HOUR PERIOD FROM INITIATION OF DEPTH TO GROUNDWATER MEASUREMENTS BUT WITHIN THE SAME SAMPLING EVENT.

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

0 250 500 Feet

**POTENTIOMETRIC SURFACE MAP  
 SEPTEMBER 5-6, 2023**

**2023 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT  
 ASH POND  
 KINCAID POWER PLANT  
 KINCAID, ILLINOIS**

**FIGURE 4**

RAMBOLL AMERICAS  
 ENGINEERING SOLUTIONS, INC.







**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 27, 2023 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



**POTENTIOMETRIC SURFACE MAP  
 NOVEMBER 27, 2023**

**2023 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT  
 ASH POND  
 KINCAID POWER PLANT  
 KINCAID, ILLINOIS**

**FIGURE 5**

RAMBOLL AMERICAS  
 ENGINEERING SOLUTIONS, INC.



## **APPENDICES**

**APPENDIX A**  
**LABORATORY REPORTS AND FIELD DATA SHEETS**

February 17, 2023

Eric Bauer  
Ramboll  
234 W. Florida St.  
5th Floor  
Milwaukee, WI 53204  
TEL: (414) 837-3607  
FAX:



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

**RE: KIN-23Q1**

**WorkOrder: 23010897**

Dear Eric Bauer:

TEKLAB, INC received 32 samples on 2/2/2023 8:00:00 AM for the analysis presented in the following report.

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

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

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

Sincerely,



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



## Report Contents

<http://www.teklabinc.com/>

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**Client:** Ramboll

**Work Order:** 23010897

**Client Project:** KIN-23Q1

**Report Date:** 17-Feb-23

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Client: Ramboll

Work Order: 23010897

Client Project: KIN-23Q1

Report Date: 17-Feb-23

### Abbr Definition

\* Analytes on report marked with an asterisk are not NELAP accredited

CCV Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.

CRQL A Client Requested Quantitation Limit is a reporting limit that varies according to customer request. The CRQL may not be less than the MDL.

DF Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilution factors.

DNI Did not ignite

DUP Laboratory duplicate is a replicate aliquot prepared under the same laboratory conditions and independently analyzed to obtain a measure of precision.

ICV Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.

IDPH IL Dept. of Public Health

LCS Laboratory control sample is a sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes and analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system.

LCSD Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).

MBLK Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.

MDL "The method detection limit is defined as the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results."

MS Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).

MSD Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).

MW Molecular weight

NC Data is not acceptable for compliance purposes

ND Not Detected at the Reporting Limit

NELAP NELAP Accredited

PQL Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions.

RL The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.

RPD Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).

SPK The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.

Surr Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.

TIC Tentatively identified compound: Analytes tentatively identified in the sample by using a library search. Only results not in the calibration standard will be reported as tentatively identified compounds. Results for tentatively identified compounds that are not present in the calibration standard, but are assigned a specific chemical name based upon the library search, are calculated using total peak areas from reconstructed ion chromatograms and a response factor of one. The nearest Internal Standard is used for the calculation. The results of any TICs must be considered estimated, and are flagged with a "T". If the estimated result is above the calibration range it is flagged "ET"

TNTC Too numerous to count (> 200 CFU)

**Client:** Ramboll

**Work Order:** 23010897

**Client Project:** KIN-23Q1

**Report Date:** 17-Feb-23

### Qualifiers

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

**Client:** Ramboll

**Work Order:** 23010897

**Client Project:** KIN-23Q1

**Report Date:** 17-Feb-23

**Cooler Receipt Temp:** 1.6 °C

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

MW-8S could not be collected due to insufficient water volume.

KIN\_257\_141 data is included in this report. EAH 2/17/23

**Locations**

**Collinsville**

**Address** 5445 Horseshoe Lake Road  
Collinsville, IL 62234-7425  
**Phone** (618) 344-1004  
**Fax** (618) 344-1005  
**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

**Springfield**

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

**Chicago**

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

**Kansas City**

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





## Accreditations

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23010897

Client Project: KIN-23Q1

Report Date: 17-Feb-23

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

Client: Ramboll  
 Client Project: KIN-23Q1  
 Lab ID: 23010897-001  
 Matrix: GROUNDWATER

Work Order: 23010897  
 Report Date: 17-Feb-23

Client Sample ID: MW-1

Collection Date: 01/30/2023 12:25

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>								
Depth to water from measuring point	*	0		24.20	ft	1	01/30/2023 12:25	R324552
<b>STANDARD METHOD 4500-H B 2001 FIELD</b>								
pH	*	1.00		6.49		1	01/30/2023 12:25	R324552
<b>STANDARD METHODS 2130 B FIELD</b>								
Turbidity	*	1.0		4.2	NTU	1	01/30/2023 12:25	R324552
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>								
Oxidation-Reduction Potential	*	-300		120	mV	1	01/30/2023 12:25	R324552
<b>STANDARD METHODS 2510 B FIELD</b>								
Spec. Conductance, Field	*	0		639	µS/cm	1	01/30/2023 12:25	R324552
<b>STANDARD METHODS 2550 B FIELD</b>								
Temperature	*	0		13.1	°C	1	01/30/2023 12:25	R324552
<b>STANDARD METHODS 4500-O G FIELD</b>								
Oxygen, Dissolved	*	0		0.34	mg/L	1	01/30/2023 12:25	R324552
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>								
Alkalinity, Bicarbonate (as CaCO <sub>3</sub> )	NELAP	0		198	mg/L	1	02/06/2023 13:36	R324430
<b>STANDARD METHODS 2320 B 1997, 2011</b>								
Alkalinity, Carbonate (as CaCO <sub>3</sub> )	NELAP	0		0	mg/L	1	02/06/2023 13:36	R324430
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>								
Total Dissolved Solids	NELAP	20		300	mg/L	1	02/02/2023 11:31	R324362
<b>SW-846 9036 (TOTAL)</b>								
Sulfate	NELAP	50		89	mg/L	5	02/07/2023 14:04	R324505
<b>SW-846 9214 (TOTAL)</b>								
Fluoride	NELAP	0.10		0.19	mg/L	1	02/09/2023 10:57	R324574
<b>SW-846 9251 (TOTAL)</b>								
Chloride	NELAP	1		13	mg/L	1	02/07/2023 13:59	R324483
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>								
Calcium	NELAP	0.100		58.0	mg/L	1	02/04/2023 2:28	202526
Magnesium	NELAP	0.050		27.2	mg/L	1	02/04/2023 2:28	202526
Potassium	NELAP	0.100		0.294	mg/L	1	02/04/2023 2:28	202526
Sodium	NELAP	0.050		16.0	mg/L	1	02/04/2023 2:28	202526
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>								
Antimony	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 14:19	202526
Arsenic	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 14:19	202526
Barium	NELAP	1.0		43.2	µg/L	5	02/07/2023 14:19	202526
Beryllium	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 14:19	202526
Boron	NELAP	25.0		200	µg/L	5	02/07/2023 14:19	202526
Cadmium	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 14:19	202526
Chromium	NELAP	1.5		< 1.5	µg/L	5	02/07/2023 14:19	202526
Cobalt	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 14:19	202526
Lead	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 14:19	202526
Lithium	*	3.0		< 3.0	µg/L	5	02/07/2023 14:19	202526
Molybdenum	NELAP	1.5		< 1.5	µg/L	5	02/07/2023 14:19	202526
Selenium	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 14:19	202526
Thallium	NELAP	2.0		< 2.0	µg/L	5	02/07/2023 14:19	202526



## Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q1  
Lab ID: 23010897-001  
Matrix: GROUNDWATER

Work Order: 23010897  
Report Date: 17-Feb-23  
Client Sample ID: MW-1  
Collection Date: 01/30/2023 12:25

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 7470A (TOTAL)</b>								
Mercury	NELAP	0.20		< 0.20	µg/L	1	02/03/2023 15:51	202570



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
 Client Project: KIN-23Q1  
 Lab ID: 23010897-003  
 Matrix: GROUNDWATER

Work Order: 23010897  
 Report Date: 17-Feb-23

Client Sample ID: MW-11

Collection Date: 01/30/2023 12:53

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>								
Depth to water from measuring point	*	0		16.28	ft	1	01/30/2023 12:53	R324552
<b>STANDARD METHOD 4500-H B 2001 FIELD</b>								
pH	*	1.00		6.83		1	01/30/2023 12:53	R324552
<b>STANDARD METHODS 2130 B FIELD</b>								
Turbidity	*	1.0		9.0	NTU	1	01/30/2023 12:53	R324552
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>								
Oxidation-Reduction Potential	*	-300		-53	mV	1	01/30/2023 12:53	R324552
<b>STANDARD METHODS 2510 B FIELD</b>								
Spec. Conductance, Field	*	0		1240	µS/cm	1	01/30/2023 12:53	R324552
<b>STANDARD METHODS 2550 B FIELD</b>								
Temperature	*	0		14.3	°C	1	01/30/2023 12:53	R324552
<b>STANDARD METHODS 4500-O G FIELD</b>								
Oxygen, Dissolved	*	0		0.47	mg/L	1	01/30/2023 12:53	R324552
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>								
Alkalinity, Bicarbonate (as CaCO <sub>3</sub> )	NELAP	0		407	mg/L	1	02/06/2023 13:41	R324430
<b>STANDARD METHODS 2320 B 1997, 2011</b>								
Alkalinity, Carbonate (as CaCO <sub>3</sub> )	NELAP	0		0	mg/L	1	02/06/2023 13:41	R324430
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>								
Total Dissolved Solids	NELAP	20		612	mg/L	1	02/02/2023 11:32	R324362
<b>SW-846 9036 (TOTAL)</b>								
Sulfate	NELAP	50		119	mg/L	5	02/07/2023 14:34	R324505
<b>SW-846 9214 (TOTAL)</b>								
Fluoride	NELAP	0.10		0.48	mg/L	1	02/09/2023 11:00	R324574
<b>SW-846 9251 (TOTAL)</b>								
Chloride	NELAP	1		32	mg/L	1	02/07/2023 14:28	R324483
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>								
Calcium	NELAP	0.100		121	mg/L	1	02/04/2023 2:35	202526
Magnesium	NELAP	0.050		51.3	mg/L	1	02/04/2023 2:35	202526
Potassium	NELAP	0.100		1.02	mg/L	1	02/04/2023 2:35	202526
Sodium	NELAP	0.050		44.4	mg/L	1	02/04/2023 2:35	202526
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>								
Antimony	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 14:32	202526
Arsenic	NELAP	1.0		3.2	µg/L	5	02/07/2023 14:32	202526
Barium	NELAP	1.0		102	µg/L	5	02/07/2023 14:32	202526
Beryllium	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 14:32	202526
Boron	NELAP	25.0		1340	µg/L	5	02/07/2023 14:32	202526
Cadmium	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 14:32	202526
Chromium	NELAP	1.5		< 1.5	µg/L	5	02/07/2023 14:32	202526
Cobalt	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 14:32	202526
Lead	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 14:32	202526
Lithium	*	3.0		< 3.0	µg/L	5	02/07/2023 14:32	202526
Molybdenum	NELAP	1.5		2.1	µg/L	5	02/07/2023 14:32	202526
Selenium	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 14:32	202526
Thallium	NELAP	2.0		< 2.0	µg/L	5	02/07/2023 14:32	202526



## Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q1  
Lab ID: 23010897-003  
Matrix: GROUNDWATER

Work Order: 23010897  
Report Date: 17-Feb-23  
Client Sample ID: MW-11  
Collection Date: 01/30/2023 12:53

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 7470A (TOTAL)</b>								
Mercury	NELAP	0.20		< 0.20	µg/L	1	02/03/2023 15:56	202570



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
 Client Project: KIN-23Q1  
 Lab ID: 23010897-004  
 Matrix: GROUNDWATER

Work Order: 23010897  
 Report Date: 17-Feb-23

Client Sample ID: MW-12  
 Collection Date: 02/01/2023 11:03

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>								
Depth to water from measuring point	*	0		6.12	ft	1	02/01/2023 11:03	R324552
<b>STANDARD METHOD 4500-H B 2001 FIELD</b>								
pH	*	1.00		6.63		1	02/01/2023 11:03	R324552
<b>STANDARD METHODS 2130 B FIELD</b>								
Turbidity	*	1.0		9.1	NTU	1	02/01/2023 11:03	R324552
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>								
Oxidation-Reduction Potential	*	-300		-56	mV	1	02/01/2023 11:03	R324552
<b>STANDARD METHODS 2510 B FIELD</b>								
Spec. Conductance, Field	*	0		2160	µS/cm	1	02/01/2023 11:03	R324552
<b>STANDARD METHODS 2550 B FIELD</b>								
Temperature	*	0		12.5	°C	1	02/01/2023 11:03	R324552
<b>STANDARD METHODS 4500-O G FIELD</b>								
Oxygen, Dissolved	*	0		0.02	mg/L	1	02/01/2023 11:03	R324552
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>								
Alkalinity, Bicarbonate (as CaCO <sub>3</sub> )	NELAP	0		535	mg/L	1	02/07/2023 13:06	R324478
<b>STANDARD METHODS 2320 B 1997, 2011</b>								
Alkalinity, Carbonate (as CaCO <sub>3</sub> )	NELAP	0		0	mg/L	1	02/07/2023 13:06	R324478
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>								
Total Dissolved Solids	NELAP	20		1060	mg/L	1	02/06/2023 12:22	R324475
<b>SW-846 9036 (TOTAL)</b>								
Sulfate	NELAP	100		388	mg/L	10	02/07/2023 14:41	R324505
<b>SW-846 9214 (TOTAL)</b>								
Fluoride	NELAP	0.10		0.20	mg/L	1	02/09/2023 11:02	R324574
<b>SW-846 9251 (TOTAL)</b>								
Chloride	NELAP	1		30	mg/L	1	02/07/2023 14:36	R324483
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>								
Calcium	NELAP	0.100		212	mg/L	1	02/04/2023 2:39	202526
Magnesium	NELAP	0.050		87.5	mg/L	1	02/04/2023 2:39	202526
Potassium	NELAP	0.100		2.46	mg/L	1	02/04/2023 2:39	202526
Sodium	NELAP	0.050		54.1	mg/L	1	02/04/2023 2:39	202526
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>								
Antimony	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 14:38	202526
Arsenic	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 14:38	202526
Barium	NELAP	1.0		70.8	µg/L	5	02/07/2023 14:38	202526
Beryllium	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 14:38	202526
Boron	NELAP	25.0		2710	µg/L	5	02/07/2023 14:38	202526
Cadmium	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 14:38	202526
Chromium	NELAP	1.5		< 1.5	µg/L	5	02/07/2023 14:38	202526
Cobalt	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 14:38	202526
Lead	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 14:38	202526
Lithium	*	3.0		7.8	µg/L	5	02/07/2023 14:38	202526
Molybdenum	NELAP	1.5		< 1.5	µg/L	5	02/07/2023 14:38	202526
Selenium	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 14:38	202526
Thallium	NELAP	2.0		< 2.0	µg/L	5	02/07/2023 14:38	202526



## Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q1  
Lab ID: 23010897-004  
Matrix: GROUNDWATER

Work Order: 23010897  
Report Date: 17-Feb-23  
Client Sample ID: MW-12  
Collection Date: 02/01/2023 11:03

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 7470A (TOTAL)</b>								
Mercury	NELAP	0.20		< 0.20	µg/L	1	02/03/2023 16:02	202570



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
 Client Project: KIN-23Q1  
 Lab ID: 23010897-005  
 Matrix: GROUNDWATER

Work Order: 23010897  
 Report Date: 17-Feb-23

Client Sample ID: MW-2

Collection Date: 01/31/2023 10:17

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>								
Depth to water from measuring point	*	0		7.98	ft	1	01/31/2023 10:17	R324552
<b>STANDARD METHOD 4500-H B 2001 FIELD</b>								
pH	*	1.00		7.02		1	01/31/2023 10:17	R324552
<b>STANDARD METHODS 2130 B FIELD</b>								
Turbidity	*	1.0		590	NTU	1	01/31/2023 10:17	R324552
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>								
Oxidation-Reduction Potential	*	-300		-19	mV	1	01/31/2023 10:17	R324552
<b>STANDARD METHODS 2510 B FIELD</b>								
Spec. Conductance, Field	*	0		752	µS/cm	1	01/31/2023 10:17	R324552
<b>STANDARD METHODS 2550 B FIELD</b>								
Temperature	*	0		12.4	°C	1	01/31/2023 10:17	R324552
<b>STANDARD METHODS 4500-O G FIELD</b>								
Oxygen, Dissolved	*	0		0.71	mg/L	1	01/31/2023 10:17	R324552
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>								
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0		353	mg/L	1	02/06/2023 14:06	R324430
<b>STANDARD METHODS 2320 B 1997, 2011</b>								
Alkalinity, Carbonate (as CaCO3)	NELAP	0		0	mg/L	1	02/06/2023 14:06	R324430
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>								
Total Dissolved Solids	NELAP	50		470	mg/L	2.5	02/02/2023 11:32	R324362
<b>SW-846 9036 (TOTAL)</b>								
Sulfate	NELAP	100		153	mg/L	10	02/08/2023 21:43	R324585
<b>SW-846 9214 (TOTAL)</b>								
Fluoride	NELAP	0.10		0.44	mg/L	1	02/09/2023 11:04	R324574
<b>SW-846 9251 (TOTAL)</b>								
Chloride	NELAP	1		19	mg/L	1	02/07/2023 14:47	R324483
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>								
Calcium	NELAP	0.100		291	mg/L	1	02/04/2023 2:43	202526
Magnesium	NELAP	0.050		99.5	mg/L	1	02/04/2023 2:43	202526
Potassium	NELAP	0.100		8.52	mg/L	1	02/04/2023 2:43	202526
Sodium	NELAP	0.050		27.3	mg/L	1	02/04/2023 2:43	202526
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>								
Antimony	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 14:44	202526
Arsenic	NELAP	1.0		21.7	µg/L	5	02/07/2023 14:44	202526
Barium	NELAP	1.0		326	µg/L	5	02/07/2023 14:44	202526
Beryllium	NELAP	1.0		1.9	µg/L	5	02/07/2023 14:44	202526
Boron	NELAP	25.0		75.1	µg/L	5	02/07/2023 14:44	202526
Cadmium	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 14:44	202526
Chromium	NELAP	1.5		73.8	µg/L	5	02/07/2023 14:44	202526
Cobalt	NELAP	1.0		27.4	µg/L	5	02/07/2023 14:44	202526
Lead	NELAP	1.0		36.3	µg/L	5	02/07/2023 14:44	202526
Lithium	*	3.0		59.5	µg/L	5	02/07/2023 14:44	202526
Molybdenum	NELAP	1.5		8.5	µg/L	5	02/07/2023 14:44	202526
Selenium	NELAP	1.0		1.4	µg/L	5	02/07/2023 14:44	202526
Thallium	NELAP	2.0		< 2.0	µg/L	5	02/07/2023 14:44	202526





## Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q1  
Lab ID: 23010897-005  
Matrix: GROUNDWATER

Work Order: 23010897  
Report Date: 17-Feb-23  
Client Sample ID: MW-2  
Collection Date: 01/31/2023 10:17

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 7470A (TOTAL)</b>								
Mercury	NELAP	0.20		< 0.20	µg/L	1	02/03/2023 16:18	202570



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
 Client Project: KIN-23Q1  
 Lab ID: 23010897-006  
 Matrix: GROUNDWATER

Work Order: 23010897  
 Report Date: 17-Feb-23

Client Sample ID: MW-20  
 Collection Date: 01/31/2023 12:13

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>								
Depth to water from measuring point	*	0		5.63	ft	1	01/31/2023 12:13	R324552
<b>STANDARD METHOD 4500-H B 2001 FIELD</b>								
pH	*	1.00		6.99		1	01/31/2023 12:13	R324552
<b>STANDARD METHODS 2130 B FIELD</b>								
Turbidity	*	1.0		3.8	NTU	1	01/31/2023 12:13	R324552
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>								
Oxidation-Reduction Potential	*	-300		6	mV	1	01/31/2023 12:13	R324552
<b>STANDARD METHODS 2510 B FIELD</b>								
Spec. Conductance, Field	*	0		1040	µS/cm	1	01/31/2023 12:13	R324552
<b>STANDARD METHODS 2550 B FIELD</b>								
Temperature	*	0		12.3	°C	1	01/31/2023 12:13	R324552
<b>STANDARD METHODS 4500-O G FIELD</b>								
Oxygen, Dissolved	*	0		2.46	mg/L	1	01/31/2023 12:13	R324552
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>								
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0		418	mg/L	1	02/07/2023 13:20	R324478
<b>STANDARD METHODS 2320 B 1997, 2011</b>								
Alkalinity, Carbonate (as CaCO3)	NELAP	0		0	mg/L	1	02/07/2023 13:20	R324478
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>								
Total Dissolved Solids	NELAP	20		648	mg/L	1	02/02/2023 11:33	R324362
<b>SW-846 9036 (TOTAL)</b>								
Sulfate	NELAP	50		180	mg/L	5	02/07/2023 15:30	R324505
<b>SW-846 9214 (TOTAL)</b>								
Fluoride	NELAP	0.10		0.34	mg/L	1	02/09/2023 11:06	R324574
<b>SW-846 9251 (TOTAL)</b>								
Chloride	NELAP	1		23	mg/L	1	02/07/2023 15:24	R324483
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>								
Calcium	NELAP	0.100		132	mg/L	1	02/04/2023 2:46	202526
Magnesium	NELAP	0.050		66.4	mg/L	1	02/04/2023 2:46	202526
Potassium	NELAP	0.100		1.06	mg/L	1	02/04/2023 2:46	202526
Sodium	NELAP	0.050		23.2	mg/L	1	02/04/2023 2:46	202526
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>								
Antimony	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 14:51	202526
Arsenic	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 14:51	202526
Barium	NELAP	1.0		77.3	µg/L	5	02/07/2023 14:51	202526
Beryllium	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 14:51	202526
Boron	NELAP	25.0		550	µg/L	5	02/07/2023 14:51	202526
Cadmium	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 14:51	202526
Chromium	NELAP	1.5		< 1.5	µg/L	5	02/07/2023 14:51	202526
Cobalt	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 14:51	202526
Lead	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 14:51	202526
Lithium	*	3.0		4.0	µg/L	5	02/07/2023 14:51	202526
Molybdenum	NELAP	1.5		3.1	µg/L	5	02/07/2023 14:51	202526
Selenium	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 14:51	202526
Thallium	NELAP	2.0		< 2.0	µg/L	5	02/07/2023 14:51	202526



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q1  
Lab ID: 23010897-006  
Matrix: GROUNDWATER

Work Order: 23010897  
Report Date: 17-Feb-23  
Client Sample ID: MW-20  
Collection Date: 01/31/2023 12:13

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 7470A (TOTAL)</b>								
Mercury	NELAP	0.20		< 0.20	µg/L	1	02/03/2023 16:05	202570



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
 Client Project: KIN-23Q1  
 Lab ID: 23010897-007  
 Matrix: GROUNDWATER

Work Order: 23010897  
 Report Date: 17-Feb-23  
 Client Sample ID: MW-20S  
 Collection Date: 01/31/2023 11:52

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>								
Depth to water from measuring point	*	0		5.72	ft	1	01/31/2023 11:52	R324552
<b>STANDARD METHOD 4500-H B 2001 FIELD</b>								
pH	*	1.00		6.71		1	01/31/2023 11:52	R324552
<b>STANDARD METHODS 2130 B FIELD</b>								
Turbidity	*	1.0		2.2	NTU	1	01/31/2023 11:52	R324552
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>								
Oxidation-Reduction Potential	*	-300		-13	mV	1	01/31/2023 11:52	R324552
<b>STANDARD METHODS 2510 B FIELD</b>								
Spec. Conductance, Field	*	0		1500	µS/cm	1	01/31/2023 11:52	R324552
<b>STANDARD METHODS 2550 B FIELD</b>								
Temperature	*	0		10.2	°C	1	01/31/2023 11:52	R324552
<b>STANDARD METHODS 4500-O G FIELD</b>								
Oxygen, Dissolved	*	0		2.17	mg/L	1	01/31/2023 11:52	R324552
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>								
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0		454	mg/L	1	02/07/2023 13:28	R324478
<b>STANDARD METHODS 2320 B 1997, 2011</b>								
Alkalinity, Carbonate (as CaCO3)	NELAP	0		0	mg/L	1	02/07/2023 13:28	R324478
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>								
Total Dissolved Solids	NELAP	20		1130	mg/L	1	02/02/2023 11:34	R324362
<b>SW-846 9036 (TOTAL)</b>								
Sulfate	NELAP	100		441	mg/L	10	02/08/2023 21:53	R324585
<b>SW-846 9214 (TOTAL)</b>								
Fluoride	NELAP	0.10		0.17	mg/L	1	02/09/2023 11:08	R324574
<b>SW-846 9251 (TOTAL)</b>								
Chloride	NELAP	1		15	mg/L	1	02/07/2023 15:32	R324483
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>								
Calcium	NELAP	0.100		202	mg/L	1	02/04/2023 2:50	202526
Magnesium	NELAP	0.050		100	mg/L	1	02/04/2023 2:50	202526
Potassium	NELAP	0.100		0.214	mg/L	1	02/04/2023 2:50	202526
Sodium	NELAP	0.050		27.4	mg/L	1	02/04/2023 2:50	202526
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>								
Antimony	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 14:57	202526
Arsenic	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 14:57	202526
Barium	NELAP	1.0		35.2	µg/L	5	02/07/2023 14:57	202526
Beryllium	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 14:57	202526
Boron	NELAP	25.0		1810	µg/L	5	02/07/2023 14:57	202526
Cadmium	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 14:57	202526
Chromium	NELAP	1.5		< 1.5	µg/L	5	02/07/2023 14:57	202526
Cobalt	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 14:57	202526
Lead	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 14:57	202526
Lithium	*	3.0		< 3.0	µg/L	5	02/07/2023 14:57	202526
Molybdenum	NELAP	1.5		< 1.5	µg/L	5	02/07/2023 14:57	202526
Selenium	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 14:57	202526
Thallium	NELAP	2.0		< 2.0	µg/L	5	02/07/2023 14:57	202526



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q1  
Lab ID: 23010897-007  
Matrix: GROUNDWATER

Work Order: 23010897  
Report Date: 17-Feb-23  
Client Sample ID: MW-20S  
Collection Date: 01/31/2023 11:52

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 7470A (TOTAL)</b>								
Mercury	NELAP	0.20		< 0.20	µg/L	1	02/03/2023 16:07	202570



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
 Client Project: KIN-23Q1  
 Lab ID: 23010897-008  
 Matrix: GROUNDWATER

Work Order: 23010897  
 Report Date: 17-Feb-23  
 Client Sample ID: MW-23  
 Collection Date: 01/31/2023 10:37

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>								
Depth to water from measuring point	*	0		16.27	ft	1	01/31/2023 10:37	R324552
<b>STANDARD METHOD 4500-H B 2001 FIELD</b>								
pH	*	1.00		6.86		1	01/31/2023 10:37	R324552
<b>STANDARD METHODS 2130 B FIELD</b>								
Turbidity	*	1.0		< 1.0	NTU	1	01/31/2023 10:37	R324552
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>								
Oxidation-Reduction Potential	*	-300		108	mV	1	01/31/2023 10:37	R324552
<b>STANDARD METHODS 2510 B FIELD</b>								
Spec. Conductance, Field	*	0		1000	µS/cm	1	01/31/2023 10:37	R324552
<b>STANDARD METHODS 2550 B FIELD</b>								
Temperature	*	0		14.0	°C	1	01/31/2023 10:37	R324552
<b>STANDARD METHODS 4500-O G FIELD</b>								
Oxygen, Dissolved	*	0		4.35	mg/L	1	01/31/2023 10:37	R324552
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>								
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0		486	mg/L	1	02/07/2023 13:35	R324478
<b>STANDARD METHODS 2320 B 1997, 2011</b>								
Alkalinity, Carbonate (as CaCO3)	NELAP	0		0	mg/L	1	02/07/2023 13:35	R324478
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>								
Total Dissolved Solids	NELAP	20		602	mg/L	1	02/02/2023 11:34	R324362
<b>SW-846 9036 (TOTAL)</b>								
Sulfate	NELAP	10		48	mg/L	1	02/07/2023 15:39	R324505
<b>SW-846 9214 (TOTAL)</b>								
Fluoride	NELAP	0.10		0.33	mg/L	1	02/09/2023 11:09	R324574
<b>SW-846 9251 (TOTAL)</b>								
Chloride	NELAP	1		30	mg/L	1	02/07/2023 15:40	R324483
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>								
Calcium	NELAP	0.100		117	mg/L	1	02/04/2023 2:54	202526
Magnesium	NELAP	0.050		53.8	mg/L	1	02/04/2023 2:54	202526
Potassium	NELAP	0.100		0.530	mg/L	1	02/04/2023 2:54	202526
Sodium	NELAP	0.050		48.5	mg/L	1	02/04/2023 2:54	202526
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>								
Antimony	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 15:29	202526
Arsenic	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 15:29	202526
Barium	NELAP	1.0		95.1	µg/L	5	02/07/2023 15:29	202526
Beryllium	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 15:29	202526
Boron	NELAP	25.0		2130	µg/L	5	02/07/2023 15:29	202526
Cadmium	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 15:29	202526
Chromium	NELAP	1.5		< 1.5	µg/L	5	02/07/2023 15:29	202526
Cobalt	NELAP	1.0		1.0	µg/L	5	02/07/2023 15:29	202526
Lead	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 15:29	202526
Lithium	*	3.0		< 3.0	µg/L	5	02/07/2023 15:29	202526
Molybdenum	NELAP	1.5		< 1.5	µg/L	5	02/07/2023 15:29	202526
Selenium	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 15:29	202526
Thallium	NELAP	2.0		< 2.0	µg/L	5	02/07/2023 15:29	202526



## Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q1  
Lab ID: 23010897-008  
Matrix: GROUNDWATER

Work Order: 23010897  
Report Date: 17-Feb-23  
Client Sample ID: MW-23  
Collection Date: 01/31/2023 10:37

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 7470A (TOTAL)</b>								
Mercury	NELAP	0.20		< 0.20	µg/L	1	02/03/2023 16:14	202570

Client: Ramboll  
 Client Project: KIN-23Q1  
 Lab ID: 23010897-009  
 Matrix: GROUNDWATER

Work Order: 23010897  
 Report Date: 17-Feb-23  
 Client Sample ID: MW-27  
 Collection Date: 02/01/2023 12:46

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>								
Depth to water from measuring point	*	0		13.31	ft	1	02/01/2023 12:46	R324552
<b>STANDARD METHOD 4500-H B 2001 FIELD</b>								
pH	*	1.00		6.76		1	02/01/2023 12:46	R324552
<b>STANDARD METHODS 2130 B FIELD</b>								
Turbidity	*	1.0		7.5	NTU	1	02/01/2023 12:46	R324552
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>								
Oxidation-Reduction Potential	*	-300		-128	mV	1	02/01/2023 12:46	R324552
<b>STANDARD METHODS 2510 B FIELD</b>								
Spec. Conductance, Field	*	0		2200	µS/cm	1	02/01/2023 12:46	R324552
<b>STANDARD METHODS 2550 B FIELD</b>								
Temperature	*	0		11.6	°C	1	02/01/2023 12:46	R324552
<b>STANDARD METHODS 4500-O G FIELD</b>								
Oxygen, Dissolved	*	0		0.99	mg/L	1	02/01/2023 12:46	R324552
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>								
Alkalinity, Bicarbonate (as CaCO <sub>3</sub> )	NELAP	0		638	mg/L	1	02/07/2023 13:42	R324478
<b>STANDARD METHODS 2320 B 1997, 2011</b>								
Alkalinity, Carbonate (as CaCO <sub>3</sub> )	NELAP	0		0	mg/L	1	02/07/2023 13:42	R324478
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>								
Total Dissolved Solids	NELAP	20		990	mg/L	1	02/03/2023 11:42	R324399
<b>SW-846 9036 (TOTAL)</b>								
Sulfate	NELAP	100		308	mg/L	10	02/08/2023 21:58	R324585
<b>SW-846 9214 (TOTAL)</b>								
Fluoride	NELAP	0.10		0.22	mg/L	1	02/09/2023 11:22	R324574
<b>SW-846 9251 (TOTAL)</b>								
Chloride	NELAP	1		14	mg/L	1	02/07/2023 15:48	R324483
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>								
Calcium	NELAP	0.100		184	mg/L	1	02/04/2023 2:58	202526
Magnesium	NELAP	0.050		99.7	mg/L	1	02/04/2023 2:58	202526
Potassium	NELAP	0.100		1.04	mg/L	1	02/04/2023 2:58	202526
Sodium	NELAP	0.050		63.3	mg/L	1	02/04/2023 2:58	202526
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>								
Antimony	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 15:35	202526
Arsenic	NELAP	1.0		2.9	µg/L	5	02/07/2023 15:35	202526
Barium	NELAP	1.0		53.9	µg/L	5	02/07/2023 15:35	202526
Beryllium	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 15:35	202526
Boron	NELAP	25.0		1290	µg/L	5	02/07/2023 15:35	202526
Cadmium	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 15:35	202526
Chromium	NELAP	1.5		< 1.5	µg/L	5	02/07/2023 15:35	202526
Cobalt	NELAP	1.0		1.4	µg/L	5	02/07/2023 15:35	202526
Lead	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 15:35	202526
Lithium	*	3.0		< 3.0	µg/L	5	02/07/2023 15:35	202526
Molybdenum	NELAP	1.5		< 1.5	µg/L	5	02/07/2023 15:35	202526
Selenium	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 15:35	202526
Thallium	NELAP	2.0		< 2.0	µg/L	5	02/07/2023 15:35	202526





# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q1  
Lab ID: 23010897-009  
Matrix: GROUNDWATER

Work Order: 23010897  
Report Date: 17-Feb-23  
Client Sample ID: MW-27  
Collection Date: 02/01/2023 12:46

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 7470A (TOTAL)</b>								
Mercury	NELAP	0.20		< 0.20	µg/L	1	02/03/2023 16:16	202570

Client: Ramboll  
 Client Project: KIN-23Q1  
 Lab ID: 23010897-010  
 Matrix: GROUNDWATER

Work Order: 23010897  
 Report Date: 17-Feb-23  
 Client Sample ID: MW-28  
 Collection Date: 02/01/2023 11:23

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>								
Depth to water from measuring point	*	0		6.00	ft	1	02/01/2023 11:23	R324552
<b>STANDARD METHOD 4500-H B 2001 FIELD</b>								
pH	*	1.00		6.66		1	02/01/2023 11:23	R324552
<b>STANDARD METHODS 2130 B FIELD</b>								
Turbidity	*	1.0		8.8	NTU	1	02/01/2023 11:23	R324552
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>								
Oxidation-Reduction Potential	*	-300		28	mV	1	02/01/2023 11:23	R324552
<b>STANDARD METHODS 2510 B FIELD</b>								
Spec. Conductance, Field	*	0		2650	µS/cm	1	02/01/2023 11:23	R324552
<b>STANDARD METHODS 2550 B FIELD</b>								
Temperature	*	0		12.7	°C	1	02/01/2023 11:23	R324552
<b>STANDARD METHODS 4500-O G FIELD</b>								
Oxygen, Dissolved	*	0		0.25	mg/L	1	02/01/2023 11:23	R324552
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>								
Alkalinity, Bicarbonate (as CaCO <sub>3</sub> )	NELAP	0		422	mg/L	1	02/07/2023 13:50	R324478
<b>STANDARD METHODS 2320 B 1997, 2011</b>								
Alkalinity, Carbonate (as CaCO <sub>3</sub> )	NELAP	0		0	mg/L	1	02/07/2023 13:50	R324478
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>								
Total Dissolved Solids	NELAP	20		1620	mg/L	1	02/03/2023 11:42	R324399
<b>SW-846 9036 (TOTAL)</b>								
Sulfate	NELAP	200		801	mg/L	20	02/08/2023 22:18	R324585
<b>SW-846 9214 (TOTAL)</b>								
Fluoride	NELAP	0.10		0.14	mg/L	1	02/09/2023 11:24	R324574
<b>SW-846 9251 (TOTAL)</b>								
Chloride	NELAP	1		13	mg/L	1	02/07/2023 15:56	R324483
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>								
Calcium	NELAP	0.100	S	270	mg/L	1	02/04/2023 3:23	202526
Magnesium	NELAP	0.050	S	121	mg/L	1	02/04/2023 3:23	202526
Potassium	NELAP	0.100		0.964	mg/L	1	02/04/2023 3:23	202526
Sodium	NELAP	0.050	S	127	mg/L	1	02/04/2023 3:23	202526
<i>Matrix spike control limits for are not applicable due to high sample/spike ratio.</i>								
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>								
Antimony	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 16:14	202526
Arsenic	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 16:14	202526
Barium	NELAP	1.0		24.3	µg/L	5	02/07/2023 16:14	202526
Beryllium	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 16:14	202526
Boron	NELAP	25.0	S	7960	µg/L	5	02/07/2023 16:14	202526
Cadmium	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 16:14	202526
Chromium	NELAP	1.5		< 1.5	µg/L	5	02/07/2023 16:14	202526
Cobalt	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 16:14	202526
Lead	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 16:14	202526
Lithium	*	3.0		5.7	µg/L	5	02/07/2023 16:14	202526
Molybdenum	NELAP	1.5		< 1.5	µg/L	5	02/07/2023 16:14	202526
Selenium	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 16:14	202526
Thallium	NELAP	2.0		< 2.0	µg/L	5	02/07/2023 16:14	202526



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q1  
Lab ID: 23010897-010  
Matrix: GROUNDWATER

Work Order: 23010897  
Report Date: 17-Feb-23  
Client Sample ID: MW-28  
Collection Date: 02/01/2023 11:23

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>								
<i>Matrix spike control limits are not applicable due to high sample/spike ratio.</i>								
<b>SW-846 7470A (TOTAL)</b>								
Mercury	NELAP	0.20		< 0.20	µg/L	1	02/07/2023 12:55	202615



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
 Client Project: KIN-23Q1  
 Lab ID: 23010897-011  
 Matrix: GROUNDWATER

Work Order: 23010897  
 Report Date: 17-Feb-23

Client Sample ID: MW-3  
 Collection Date: 01/31/2023 11:04

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>								
Depth to water from measuring point	*	0		8.85	ft	1	01/31/2023 11:04	R324552
<b>STANDARD METHOD 4500-H B 2001 FIELD</b>								
pH	*	1.00		6.71		1	01/31/2023 11:04	R324552
<b>STANDARD METHODS 2130 B FIELD</b>								
Turbidity	*	1.0		9.4	NTU	1	01/31/2023 11:04	R324552
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>								
Oxidation-Reduction Potential	*	-300		163	mV	1	01/31/2023 11:04	R324552
<b>STANDARD METHODS 2510 B FIELD</b>								
Spec. Conductance, Field	*	0		942	µS/cm	1	01/31/2023 11:04	R324552
<b>STANDARD METHODS 2550 B FIELD</b>								
Temperature	*	0		13.1	°C	1	01/31/2023 11:04	R324552
<b>STANDARD METHODS 4500-O G FIELD</b>								
Oxygen, Dissolved	*	0		0.46	mg/L	1	01/31/2023 11:04	R324552
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>								
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0		367	mg/L	1	02/07/2023 13:57	R324478
<b>STANDARD METHODS 2320 B 1997, 2011</b>								
Alkalinity, Carbonate (as CaCO3)	NELAP	0		0	mg/L	1	02/07/2023 13:57	R324478
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>								
Total Dissolved Solids	NELAP	20		592	mg/L	1	02/02/2023 11:34	R324362
<b>SW-846 9036 (TOTAL)</b>								
Sulfate	NELAP	50		141	mg/L	5	02/07/2023 16:22	R324505
<b>SW-846 9214 (TOTAL)</b>								
Fluoride	NELAP	0.10		0.24	mg/L	1	02/09/2023 11:26	R324574
<b>SW-846 9251 (TOTAL)</b>								
Chloride	NELAP	1		30	mg/L	1	02/07/2023 16:17	R324483
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>								
Calcium	NELAP	0.100		102	mg/L	1	02/04/2023 3:01	202526
Magnesium	NELAP	0.050		52.3	mg/L	1	02/04/2023 3:01	202526
Potassium	NELAP	0.100		0.315	mg/L	1	02/04/2023 3:01	202526
Sodium	NELAP	0.050		49.8	mg/L	1	02/04/2023 3:01	202526
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>								
Antimony	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 15:42	202526
Arsenic	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 15:42	202526
Barium	NELAP	1.0		46.7	µg/L	5	02/07/2023 15:42	202526
Beryllium	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 15:42	202526
Boron	NELAP	25.0		1640	µg/L	5	02/07/2023 15:42	202526
Cadmium	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 15:42	202526
Chromium	NELAP	1.5		< 1.5	µg/L	5	02/07/2023 15:42	202526
Cobalt	NELAP	1.0		1.4	µg/L	5	02/07/2023 15:42	202526
Lead	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 15:42	202526
Lithium	*	3.0		< 3.0	µg/L	5	02/07/2023 15:42	202526
Molybdenum	NELAP	1.5		< 1.5	µg/L	5	02/07/2023 15:42	202526
Selenium	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 15:42	202526
Thallium	NELAP	2.0		< 2.0	µg/L	5	02/07/2023 15:42	202526



## Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q1  
Lab ID: 23010897-011  
Matrix: GROUNDWATER

Work Order: 23010897  
Report Date: 17-Feb-23  
Client Sample ID: MW-3  
Collection Date: 01/31/2023 11:04

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 7470A (TOTAL)</b>								
Mercury	NELAP	0.20		< 0.20	µg/L	1	02/08/2023 9:24	202640



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
 Client Project: KIN-23Q1  
 Lab ID: 23010897-012  
 Matrix: GROUNDWATER

Work Order: 23010897  
 Report Date: 17-Feb-23

Client Sample ID: MW-30

Collection Date: 01/31/2023 14:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>								
Depth to water from measuring point	*	0		24.04	ft	1	01/31/2023 14:40	R324552
<b>STANDARD METHOD 4500-H B 2001 FIELD</b>								
pH	*	1.00		6.60		1	01/31/2023 14:40	R324552
<b>STANDARD METHODS 2130 B FIELD</b>								
Turbidity	*	1.0		< 1.0	NTU	1	01/31/2023 14:40	R324552
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>								
Oxidation-Reduction Potential	*	-300		-76	mV	1	01/31/2023 14:40	R324552
<b>STANDARD METHODS 2510 B FIELD</b>								
Spec. Conductance, Field	*	0		1120	µS/cm	1	01/31/2023 14:40	R324552
<b>STANDARD METHODS 2550 B FIELD</b>								
Temperature	*	0		13.4	°C	1	01/31/2023 14:40	R324552
<b>STANDARD METHODS 4500-O G FIELD</b>								
Oxygen, Dissolved	*	0		0.17	mg/L	1	01/31/2023 14:40	R324552
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>								
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0		550	mg/L	1	02/07/2023 14:04	R324478
<b>STANDARD METHODS 2320 B 1997, 2011</b>								
Alkalinity, Carbonate (as CaCO3)	NELAP	0		0	mg/L	1	02/07/2023 14:04	R324478
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>								
Total Dissolved Solids	NELAP	20		642	mg/L	1	02/02/2023 11:35	R324362
<b>SW-846 9036 (TOTAL)</b>								
Sulfate	NELAP	10		< 10	mg/L	1	02/07/2023 16:25	R324505
<b>SW-846 9214 (TOTAL)</b>								
Fluoride	NELAP	0.10		0.31	mg/L	1	02/09/2023 11:27	R324574
<b>SW-846 9251 (TOTAL)</b>								
Chloride	NELAP	1		47	mg/L	1	02/07/2023 16:25	R324483
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>								
Calcium	NELAP	0.100		124	mg/L	1	02/04/2023 3:20	202526
Magnesium	NELAP	0.050		62.9	mg/L	1	02/04/2023 3:20	202526
Potassium	NELAP	0.100		1.23	mg/L	1	02/04/2023 3:20	202526
Sodium	NELAP	0.050		52.4	mg/L	1	02/04/2023 3:20	202526
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>								
Antimony	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 15:48	202526
Arsenic	NELAP	1.0		2.7	µg/L	5	02/07/2023 15:48	202526
Barium	NELAP	1.0		151	µg/L	5	02/07/2023 15:48	202526
Beryllium	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 15:48	202526
Boron	NELAP	25.0		1100	µg/L	5	02/07/2023 15:48	202526
Cadmium	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 15:48	202526
Chromium	NELAP	1.5		< 1.5	µg/L	5	02/07/2023 15:48	202526
Cobalt	NELAP	1.0		2.0	µg/L	5	02/07/2023 15:48	202526
Lead	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 15:48	202526
Lithium	*	3.0		< 3.0	µg/L	5	02/07/2023 15:48	202526
Molybdenum	NELAP	1.5		1.8	µg/L	5	02/07/2023 15:48	202526
Selenium	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 15:48	202526
Thallium	NELAP	2.0		< 2.0	µg/L	5	02/07/2023 15:48	202526



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q1  
Lab ID: 23010897-012  
Matrix: GROUNDWATER

Work Order: 23010897  
Report Date: 17-Feb-23  
Client Sample ID: MW-30  
Collection Date: 01/31/2023 14:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 7470A (TOTAL)</b>								
Mercury	NELAP	0.20		< 0.20	µg/L	1	02/08/2023 9:26	202640



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
 Client Project: KIN-23Q1  
 Lab ID: 23010897-013  
 Matrix: GROUNDWATER

Work Order: 23010897  
 Report Date: 17-Feb-23  
 Client Sample ID: MW-31  
 Collection Date: 01/31/2023 14:07

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>								
Depth to water from measuring point	*	0		29.55	ft	1	01/31/2023 14:07	R324552
<b>STANDARD METHOD 4500-H B 2001 FIELD</b>								
pH	*	1.00		6.68		1	01/31/2023 14:07	R324552
<b>STANDARD METHODS 2130 B FIELD</b>								
Turbidity	*	1.0		< 1.0	NTU	1	01/31/2023 14:07	R324552
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>								
Oxidation-Reduction Potential	*	-300		-94	mV	1	01/31/2023 14:07	R324552
<b>STANDARD METHODS 2510 B FIELD</b>								
Spec. Conductance, Field	*	0		1100	µS/cm	1	01/31/2023 14:07	R324552
<b>STANDARD METHODS 2550 B FIELD</b>								
Temperature	*	0		13.2	°C	1	01/31/2023 14:07	R324552
<b>STANDARD METHODS 4500-O G FIELD</b>								
Oxygen, Dissolved	*	0		0.28	mg/L	1	01/31/2023 14:07	R324552
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>								
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0		550	mg/L	1	02/06/2023 12:41	R324430
<b>STANDARD METHODS 2320 B 1997, 2011</b>								
Alkalinity, Carbonate (as CaCO3)	NELAP	0		0	mg/L	1	02/06/2023 12:41	R324430
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>								
Total Dissolved Solids	NELAP	50		580	mg/L	2.5	02/02/2023 11:35	R324362
<b>SW-846 9036 (TOTAL)</b>								
Sulfate	NELAP	10		< 10	mg/L	1	02/07/2023 16:33	R324505
<b>SW-846 9214 (TOTAL)</b>								
Fluoride	NELAP	0.10		0.17	mg/L	1	02/09/2023 11:29	R324574
<b>SW-846 9251 (TOTAL)</b>								
Chloride	NELAP	5		55	mg/L	5	02/07/2023 16:38	R324483
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>								
Calcium	NELAP	0.100		141	mg/L	1	02/04/2023 3:35	202526
Magnesium	NELAP	0.050		66.9	mg/L	1	02/04/2023 3:35	202526
Potassium	NELAP	0.100		0.873	mg/L	1	02/04/2023 3:35	202526
Sodium	NELAP	0.050		25.0	mg/L	1	02/04/2023 3:35	202526
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>								
Antimony	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 15:55	202526
Arsenic	NELAP	1.0		2.2	µg/L	5	02/07/2023 15:55	202526
Barium	NELAP	1.0		202	µg/L	5	02/07/2023 15:55	202526
Beryllium	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 15:55	202526
Boron	NELAP	25.0		236	µg/L	5	02/07/2023 15:55	202526
Cadmium	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 15:55	202526
Chromium	NELAP	1.5		< 1.5	µg/L	5	02/07/2023 15:55	202526
Cobalt	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 15:55	202526
Lead	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 15:55	202526
Lithium	*	3.0		4.7	µg/L	5	02/07/2023 15:55	202526
Molybdenum	NELAP	1.5		< 1.5	µg/L	5	02/07/2023 15:55	202526
Selenium	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 15:55	202526
Thallium	NELAP	2.0		< 2.0	µg/L	5	02/07/2023 15:55	202526





# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q1  
Lab ID: 23010897-013  
Matrix: GROUNDWATER

Work Order: 23010897  
Report Date: 17-Feb-23  
Client Sample ID: MW-31  
Collection Date: 01/31/2023 14:07

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 7470A (TOTAL)</b>								
Mercury	NELAP	0.20		< 0.20	µg/L	1	02/08/2023 9:28	202640



## Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
 Client Project: KIN-23Q1  
 Lab ID: 23010897-014  
 Matrix: GROUNDWATER

Work Order: 23010897  
 Report Date: 17-Feb-23  
 Client Sample ID: MW-31S  
 Collection Date: 01/31/2023 13:43

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>								
Depth to water from measuring point	*	0		18.62	ft	1	01/31/2023 13:43	R324552
<b>STANDARD METHOD 4500-H B 2001 FIELD</b>								
pH	*	1.00		6.82		1	01/31/2023 13:43	R324552
<b>STANDARD METHODS 2130 B FIELD</b>								
Turbidity	*	1.0		3.6	NTU	1	01/31/2023 13:43	R324552
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>								
Oxidation-Reduction Potential	*	-300		-91	mV	1	01/31/2023 13:43	R324552
<b>STANDARD METHODS 2510 B FIELD</b>								
Spec. Conductance, Field	*	0		1270	µS/cm	1	01/31/2023 13:43	R324552
<b>STANDARD METHODS 2550 B FIELD</b>								
Temperature	*	0		13.3	°C	1	01/31/2023 13:43	R324552
<b>STANDARD METHODS 4500-O G FIELD</b>								
Oxygen, Dissolved	*	0		0.41	mg/L	1	01/31/2023 13:43	R324552
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>								
Alkalinity, Bicarbonate (as CaCO <sub>3</sub> )	NELAP	0		710	mg/L	1	02/06/2023 12:47	R324430
<b>STANDARD METHODS 2320 B 1997, 2011</b>								
Alkalinity, Carbonate (as CaCO <sub>3</sub> )	NELAP	0		0	mg/L	1	02/06/2023 12:47	R324430
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>								
Total Dissolved Solids	NELAP	50		635	mg/L	2.5	02/02/2023 11:35	R324362
<b>SW-846 9036 (TOTAL)</b>								
Sulfate	NELAP	10		29	mg/L	1	02/07/2023 16:40	R324505
<b>SW-846 9214 (TOTAL)</b>								
Fluoride	NELAP	0.10		0.30	mg/L	1	02/09/2023 11:31	R324574
<b>SW-846 9251 (TOTAL)</b>								
Chloride	NELAP	1		15	mg/L	1	02/07/2023 16:41	R324483
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>								
Calcium	NELAP	0.100		163	mg/L	1	02/04/2023 3:38	202526
Magnesium	NELAP	0.050		87.4	mg/L	1	02/04/2023 3:38	202526
Potassium	NELAP	0.100		1.40	mg/L	1	02/04/2023 3:38	202526
Sodium	NELAP	0.050		20.5	mg/L	1	02/04/2023 3:38	202526
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>								
Antimony	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 16:01	202526
Arsenic	NELAP	1.0		5.0	µg/L	5	02/07/2023 16:01	202526
Barium	NELAP	1.0		155	µg/L	5	02/07/2023 16:01	202526
Beryllium	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 16:01	202526
Boron	NELAP	25.0		34.0	µg/L	5	02/07/2023 16:01	202526
Cadmium	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 16:01	202526
Chromium	NELAP	1.5		< 1.5	µg/L	5	02/07/2023 16:01	202526
Cobalt	NELAP	1.0		2.1	µg/L	5	02/07/2023 16:01	202526
Lead	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 16:01	202526
Lithium	*	3.0		< 3.0	µg/L	5	02/07/2023 16:01	202526
Molybdenum	NELAP	1.5		< 1.5	µg/L	5	02/07/2023 16:01	202526
Selenium	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 16:01	202526
Thallium	NELAP	2.0		< 2.0	µg/L	5	02/07/2023 16:01	202526



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q1  
Lab ID: 23010897-014  
Matrix: GROUNDWATER

Work Order: 23010897  
Report Date: 17-Feb-23  
Client Sample ID: MW-31S  
Collection Date: 01/31/2023 13:43

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 7470A (TOTAL)</b>								
Mercury	NELAP	0.20		< 0.20	µg/L	1	02/08/2023 9:31	202640



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
 Client Project: KIN-23Q1  
 Lab ID: 23010897-015  
 Matrix: GROUNDWATER

Work Order: 23010897  
 Report Date: 17-Feb-23  
 Client Sample ID: MW-32  
 Collection Date: 01/31/2023 12:58

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>								
Depth to water from measuring point	*	0		22.73	ft	1	01/31/2023 12:58	R324552
<b>STANDARD METHOD 4500-H B 2001 FIELD</b>								
pH	*	1.00		6.45		1	01/31/2023 12:58	R324552
<b>STANDARD METHODS 2130 B FIELD</b>								
Turbidity	*	1.0		< 1.0	NTU	1	01/31/2023 12:58	R324552
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>								
Oxidation-Reduction Potential	*	-300		-15	mV	1	01/31/2023 12:58	R324552
<b>STANDARD METHODS 2510 B FIELD</b>								
Spec. Conductance, Field	*	0		1530	µS/cm	1	01/31/2023 12:58	R324552
<b>STANDARD METHODS 2550 B FIELD</b>								
Temperature	*	0		14.4	°C	1	01/31/2023 12:58	R324552
<b>STANDARD METHODS 4500-O G FIELD</b>								
Oxygen, Dissolved	*	0		0.38	mg/L	1	01/31/2023 12:58	R324552
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>								
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0		486	mg/L	1	02/06/2023 12:55	R324430
<b>STANDARD METHODS 2320 B 1997, 2011</b>								
Alkalinity, Carbonate (as CaCO3)	NELAP	0		0	mg/L	1	02/06/2023 12:55	R324430
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>								
Total Dissolved Solids	NELAP	20		1100	mg/L	1	02/02/2023 11:35	R324362
<b>SW-846 9036 (TOTAL)</b>								
Sulfate	NELAP	100		418	mg/L	10	02/08/2023 22:22	R324585
<b>SW-846 9214 (TOTAL)</b>								
Fluoride	NELAP	0.10		0.17	mg/L	1	02/09/2023 11:32	R324574
<b>SW-846 9251 (TOTAL)</b>								
Chloride	NELAP	1		12	mg/L	1	02/07/2023 16:49	R324483
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>								
Calcium	NELAP	0.100		188	mg/L	1	02/04/2023 3:42	202526
Magnesium	NELAP	0.050		95.1	mg/L	1	02/04/2023 3:42	202526
Potassium	NELAP	0.100		0.470	mg/L	1	02/04/2023 3:42	202526
Sodium	NELAP	0.050		69.1	mg/L	1	02/04/2023 3:42	202526
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>								
Antimony	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 16:07	202526
Arsenic	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 16:07	202526
Barium	NELAP	1.0		47.4	µg/L	5	02/07/2023 16:07	202526
Beryllium	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 16:07	202526
Boron	NELAP	25.0		1380	µg/L	5	02/07/2023 16:07	202526
Cadmium	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 16:07	202526
Chromium	NELAP	1.5		< 1.5	µg/L	5	02/07/2023 16:07	202526
Cobalt	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 16:07	202526
Lead	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 16:07	202526
Lithium	*	3.0		< 3.0	µg/L	5	02/07/2023 16:07	202526
Molybdenum	NELAP	1.5		< 1.5	µg/L	5	02/07/2023 16:07	202526
Selenium	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 16:07	202526
Thallium	NELAP	2.0		< 2.0	µg/L	5	02/07/2023 16:07	202526



## Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q1  
Lab ID: 23010897-015  
Matrix: GROUNDWATER

Work Order: 23010897  
Report Date: 17-Feb-23  
Client Sample ID: MW-32  
Collection Date: 01/31/2023 12:58

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 7470A (TOTAL)</b>								
Mercury	NELAP	0.20		< 0.20	µg/L	1	02/08/2023 9:33	202640



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
 Client Project: KIN-23Q1  
 Lab ID: 23010897-017  
 Matrix: GROUNDWATER

Work Order: 23010897  
 Report Date: 17-Feb-23

Client Sample ID: MW-5

Collection Date: 01/31/2023 13:24

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>								
Depth to water from measuring point	*	0		25.50	ft	1	01/31/2023 13:24	R324552
<b>STANDARD METHOD 4500-H B 2001 FIELD</b>								
pH	*	1.00		6.59		1	01/31/2023 13:24	R324552
<b>STANDARD METHODS 2130 B FIELD</b>								
Turbidity	*	1.0		7.7	NTU	1	01/31/2023 13:24	R324552
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>								
Oxidation-Reduction Potential	*	-300		-10	mV	1	01/31/2023 13:24	R324552
<b>STANDARD METHODS 2510 B FIELD</b>								
Spec. Conductance, Field	*	0		1250	µS/cm	1	01/31/2023 13:24	R324552
<b>STANDARD METHODS 2550 B FIELD</b>								
Temperature	*	0		14.1	°C	1	01/31/2023 13:24	R324552
<b>STANDARD METHODS 4500-O G FIELD</b>								
Oxygen, Dissolved	*	0		0.68	mg/L	1	01/31/2023 13:24	R324552
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>								
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0		675	mg/L	1	02/06/2023 13:02	R324430
<b>STANDARD METHODS 2320 B 1997, 2011</b>								
Alkalinity, Carbonate (as CaCO3)	NELAP	0		0	mg/L	1	02/06/2023 13:02	R324430
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>								
Total Dissolved Solids	NELAP	20		726	mg/L	1	02/02/2023 11:52	R324362
<b>SW-846 9036 (TOTAL)</b>								
Sulfate	NELAP	10		11	mg/L	1	02/07/2023 17:34	R324505
<b>SW-846 9214 (TOTAL)</b>								
Fluoride	NELAP	0.10		0.16	mg/L	1	02/09/2023 11:48	R324574
<b>SW-846 9251 (TOTAL)</b>								
Chloride	NELAP	1		46	mg/L	1	02/07/2023 17:34	R324483
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>								
Calcium	NELAP	0.100		156	mg/L	1	02/04/2023 3:46	202526
Magnesium	NELAP	0.050		81.8	mg/L	1	02/04/2023 3:46	202526
Potassium	NELAP	0.100		0.704	mg/L	1	02/04/2023 3:46	202526
Sodium	NELAP	0.050		26.2	mg/L	1	02/04/2023 3:46	202526
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>								
Antimony	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 17:05	202526
Arsenic	NELAP	1.0		1.0	µg/L	5	02/07/2023 17:05	202526
Barium	NELAP	1.0		135	µg/L	5	02/07/2023 17:05	202526
Beryllium	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 17:05	202526
Boron	NELAP	25.0		464	µg/L	5	02/07/2023 17:05	202526
Cadmium	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 17:05	202526
Chromium	NELAP	1.5		< 1.5	µg/L	5	02/07/2023 17:05	202526
Cobalt	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 17:05	202526
Lead	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 17:05	202526
Lithium	*	3.0		< 3.0	µg/L	5	02/07/2023 17:05	202526
Molybdenum	NELAP	1.5		< 1.5	µg/L	5	02/07/2023 17:05	202526
Selenium	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 17:05	202526
Thallium	NELAP	2.0		< 2.0	µg/L	5	02/07/2023 17:05	202526



## Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q1  
Lab ID: 23010897-017  
Matrix: GROUNDWATER

Work Order: 23010897  
Report Date: 17-Feb-23  
Client Sample ID: MW-5  
Collection Date: 01/31/2023 13:24

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 7470A (TOTAL)</b>								
Mercury	NELAP	0.20		< 0.20	µg/L	1	02/08/2023 9:37	202640



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
 Client Project: KIN-23Q1  
 Lab ID: 23010897-018  
 Matrix: GROUNDWATER

Work Order: 23010897  
 Report Date: 17-Feb-23

Client Sample ID: MW-6

Collection Date: 02/01/2023 11:45

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>								
Depth to water from measuring point	*	0		8.13	ft	1	02/01/2023 11:45	R324552
<b>STANDARD METHOD 4500-H B 2001 FIELD</b>								
pH	*	1.00		6.52		1	02/01/2023 11:45	R324552
<b>STANDARD METHODS 2130 B FIELD</b>								
Turbidity	*	1.0		6.6	NTU	1	02/01/2023 11:45	R324552
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>								
Oxidation-Reduction Potential	*	-300		102	mV	1	02/01/2023 11:45	R324552
<b>STANDARD METHODS 2510 B FIELD</b>								
Spec. Conductance, Field	*	0		1000	µS/cm	1	02/01/2023 11:45	R324552
<b>STANDARD METHODS 2550 B FIELD</b>								
Temperature	*	0		12.5	°C	1	02/01/2023 11:45	R324552
<b>STANDARD METHODS 4500-O G FIELD</b>								
Oxygen, Dissolved	*	0		7.51	mg/L	1	02/01/2023 11:45	R324552
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>								
Alkalinity, Bicarbonate (as CaCO <sub>3</sub> )	NELAP	0		273	mg/L	1	02/06/2023 13:48	R324430
<b>STANDARD METHODS 2320 B 1997, 2011</b>								
Alkalinity, Carbonate (as CaCO <sub>3</sub> )	NELAP	0		0	mg/L	1	02/06/2023 13:48	R324430
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>								
Total Dissolved Solids	NELAP	20		430	mg/L	1	02/03/2023 11:42	R324399
<b>SW-846 9036 (TOTAL)</b>								
Sulfate	NELAP	50		127	mg/L	5	02/07/2023 18:01	R324505
<b>SW-846 9214 (TOTAL)</b>								
Fluoride	NELAP	0.10		0.18	mg/L	1	02/09/2023 11:50	R324574
<b>SW-846 9251 (TOTAL)</b>								
Chloride	NELAP	1		2	mg/L	1	02/07/2023 17:42	R324483
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>								
Calcium	NELAP	0.100		85.2	mg/L	1	02/04/2023 3:49	202526
Magnesium	NELAP	0.050		36.2	mg/L	1	02/04/2023 3:49	202526
Potassium	NELAP	0.100		0.312	mg/L	1	02/04/2023 3:49	202526
Sodium	NELAP	0.050		19.3	mg/L	1	02/04/2023 3:49	202526
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>								
Antimony	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 17:11	202526
Arsenic	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 17:11	202526
Barium	NELAP	1.0		34.1	µg/L	5	02/07/2023 17:11	202526
Beryllium	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 17:11	202526
Boron	NELAP	25.0		800	µg/L	5	02/07/2023 17:11	202526
Cadmium	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 17:11	202526
Chromium	NELAP	1.5		< 1.5	µg/L	5	02/07/2023 17:11	202526
Cobalt	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 17:11	202526
Lead	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 17:11	202526
Lithium	*	3.0		< 3.0	µg/L	5	02/07/2023 17:11	202526
Molybdenum	NELAP	1.5		< 1.5	µg/L	5	02/07/2023 17:11	202526
Selenium	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 17:11	202526
Thallium	NELAP	2.0		< 2.0	µg/L	5	02/07/2023 17:11	202526





# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q1  
Lab ID: 23010897-018  
Matrix: GROUNDWATER

Work Order: 23010897  
Report Date: 17-Feb-23  
Client Sample ID: MW-6  
Collection Date: 02/01/2023 11:45

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 7470A (TOTAL)</b>								
Mercury	NELAP	0.20		< 0.20	µg/L	1	02/08/2023 9:40	202640



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
 Client Project: KIN-23Q1  
 Lab ID: 23010897-019  
 Matrix: GROUNDWATER

Work Order: 23010897  
 Report Date: 17-Feb-23

Client Sample ID: MW-7

Collection Date: 02/01/2023 12:29

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>								
Depth to water from measuring point	*	0		8.31	ft	1	02/01/2023 12:29	R324552
<b>STANDARD METHOD 4500-H B 2001 FIELD</b>								
pH	*	1.00		7.03		1	02/01/2023 12:29	R324552
<b>STANDARD METHODS 2130 B FIELD</b>								
Turbidity	*	1.0		3.0	NTU	1	02/01/2023 12:29	R324552
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>								
Oxidation-Reduction Potential	*	-300		-34	mV	1	02/01/2023 12:29	R324552
<b>STANDARD METHODS 2510 B FIELD</b>								
Spec. Conductance, Field	*	0		1250	µS/cm	1	02/01/2023 12:29	R324552
<b>STANDARD METHODS 2550 B FIELD</b>								
Temperature	*	0		11.5	°C	1	02/01/2023 12:29	R324552
<b>STANDARD METHODS 4500-O G FIELD</b>								
Oxygen, Dissolved	*	0		0.53	mg/L	1	02/01/2023 12:29	R324552
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>								
Alkalinity, Bicarbonate (as CaCO <sub>3</sub> )	NELAP	0		282	mg/L	1	02/07/2023 14:20	R324478
<b>STANDARD METHODS 2320 B 1997, 2011</b>								
Alkalinity, Carbonate (as CaCO <sub>3</sub> )	NELAP	0		0	mg/L	1	02/07/2023 14:20	R324478
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>								
Total Dissolved Solids	NELAP	20	H	638	mg/L	1	02/10/2023 11:10	R324719
<i>Sample required re-analysis out of hold time.</i>								
<b>SW-846 9036 (TOTAL)</b>								
Sulfate	NELAP	50		246	mg/L	5	02/07/2023 18:10	R324505
<b>SW-846 9214 (TOTAL)</b>								
Fluoride	NELAP	0.10		0.26	mg/L	1	02/09/2023 11:52	R324574
<b>SW-846 9251 (TOTAL)</b>								
Chloride	NELAP	1		1	mg/L	1	02/07/2023 18:04	R324483
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>								
Calcium	NELAP	0.100	S	130	mg/L	1	02/09/2023 13:22	202526
Magnesium	NELAP	0.050	S	52.5	mg/L	1	02/09/2023 13:22	202526
Potassium	NELAP	0.100		1.02	mg/L	1	02/04/2023 4:12	202526
Sodium	NELAP	0.050		10.8	mg/L	1	02/09/2023 13:22	202526
<i>Matrix spike control limits are not applicable due to high sample/spike ratio.</i>								
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>								
Antimony	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 17:43	202526
Arsenic	NELAP	1.0		1.1	µg/L	5	02/07/2023 17:43	202526
Barium	NELAP	1.0		31.8	µg/L	5	02/07/2023 17:43	202526
Beryllium	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 17:43	202526
Boron	NELAP	25.0		140	µg/L	5	02/07/2023 17:43	202526
Cadmium	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 17:43	202526
Chromium	NELAP	1.5		< 1.5	µg/L	5	02/07/2023 17:43	202526
Cobalt	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 17:43	202526
Lead	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 17:43	202526
Lithium	*	3.0		< 3.0	µg/L	5	02/07/2023 17:43	202526
Molybdenum	NELAP	1.5		1.9	µg/L	5	02/07/2023 17:43	202526
Selenium	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 17:43	202526



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q1  
Lab ID: 23010897-019  
Matrix: GROUNDWATER

Work Order: 23010897  
Report Date: 17-Feb-23  
Client Sample ID: MW-7  
Collection Date: 02/01/2023 12:29

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>								
Thallium	NELAP	2.0		< 2.0	µg/L	5	02/07/2023 17:43	202526
<b>SW-846 7470A (TOTAL)</b>								
Mercury	NELAP	0.20		< 0.20	µg/L	1	02/08/2023 9:51	202640



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
 Client Project: KIN-23Q1  
 Lab ID: 23010897-020  
 Matrix: GROUNDWATER

Work Order: 23010897  
 Report Date: 17-Feb-23

Client Sample ID: MW-7S  
 Collection Date: 02/01/2023 12:04

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>								
Depth to water from measuring point	*	0		10.22	ft	1	02/01/2023 12:04	R324552
<b>STANDARD METHOD 4500-H B 2001 FIELD</b>								
pH	*	1.00		6.71		1	02/01/2023 12:04	R324552
<b>STANDARD METHODS 2130 B FIELD</b>								
Turbidity	*	1.0		7.9	NTU	1	02/01/2023 12:04	R324552
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>								
Oxidation-Reduction Potential	*	-300		-77	mV	1	02/01/2023 12:04	R324552
<b>STANDARD METHODS 2510 B FIELD</b>								
Spec. Conductance, Field	*	0		2240	µS/cm	1	02/01/2023 12:04	R324552
<b>STANDARD METHODS 2550 B FIELD</b>								
Temperature	*	0		12.4	°C	1	02/01/2023 12:04	R324552
<b>STANDARD METHODS 4500-O G FIELD</b>								
Oxygen, Dissolved	*	0		0.39	mg/L	1	02/01/2023 12:04	R324552
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>								
Alkalinity, Bicarbonate (as CaCO <sub>3</sub> )	NELAP	0		416	mg/L	1	02/06/2023 13:54	R324430
<b>STANDARD METHODS 2320 B 1997, 2011</b>								
Alkalinity, Carbonate (as CaCO <sub>3</sub> )	NELAP	0		0	mg/L	1	02/06/2023 13:54	R324430
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>								
Total Dissolved Solids	NELAP	20		414	mg/L	1	02/03/2023 11:43	R324399
<b>SW-846 9036 (TOTAL)</b>								
Sulfate	NELAP	200		485	mg/L	20	02/08/2023 22:27	R324585
<b>SW-846 9214 (TOTAL)</b>								
Fluoride	NELAP	0.10		0.31	mg/L	1	02/09/2023 11:54	R324574
<b>SW-846 9251 (TOTAL)</b>								
Chloride	NELAP	1		11	mg/L	1	02/07/2023 18:12	R324483
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>								
Calcium	NELAP	0.100		191	mg/L	1	02/09/2023 13:33	202526
Magnesium	NELAP	0.050		75.0	mg/L	1	02/09/2023 13:33	202526
Potassium	NELAP	0.100		2.20	mg/L	1	02/04/2023 4:08	202526
Sodium	NELAP	0.050		91.1	mg/L	1	02/09/2023 13:33	202526
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>								
Antimony	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 17:37	202526
Arsenic	NELAP	1.0		10.0	µg/L	5	02/07/2023 17:37	202526
Barium	NELAP	1.0		47.1	µg/L	5	02/07/2023 17:37	202526
Beryllium	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 17:37	202526
Boron	NELAP	25.0		4270	µg/L	5	02/07/2023 17:37	202526
Cadmium	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 17:37	202526
Chromium	NELAP	1.5		< 1.5	µg/L	5	02/07/2023 17:37	202526
Cobalt	NELAP	1.0		1.2	µg/L	5	02/07/2023 17:37	202526
Lead	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 17:37	202526
Lithium	*	3.0		< 3.0	µg/L	5	02/07/2023 17:37	202526
Molybdenum	NELAP	1.5		< 1.5	µg/L	5	02/07/2023 17:37	202526
Selenium	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 17:37	202526
Thallium	NELAP	2.0		< 2.0	µg/L	5	02/07/2023 17:37	202526



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q1  
Lab ID: 23010897-020  
Matrix: GROUNDWATER

Work Order: 23010897  
Report Date: 17-Feb-23  
Client Sample ID: MW-7S  
Collection Date: 02/01/2023 12:04

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 7470A (TOTAL)</b>								
Mercury	NELAP	0.20		< 0.20	µg/L	1	02/08/2023 9:53	202640

Client: Ramboll  
 Client Project: KIN-23Q1  
 Lab ID: 23010897-021  
 Matrix: GROUNDWATER

Work Order: 23010897  
 Report Date: 17-Feb-23  
 Client Sample ID: MW-8  
 Collection Date: 02/01/2023 13:56

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>								
Depth to water from measuring point	*	0		8.00	ft	1	02/01/2023 13:56	R324552
<b>STANDARD METHOD 4500-H B 2001 FIELD</b>								
pH	*	1.00		6.58		1	02/01/2023 13:56	R324552
<b>STANDARD METHODS 2130 B FIELD</b>								
Turbidity	*	1.0		3.0	NTU	1	02/01/2023 13:56	R324552
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>								
Oxidation-Reduction Potential	*	-300		69	mV	1	02/01/2023 13:56	R324552
<b>STANDARD METHODS 2510 B FIELD</b>								
Spec. Conductance, Field	*	0		1740	µS/cm	1	02/01/2023 13:56	R324552
<b>STANDARD METHODS 2550 B FIELD</b>								
Temperature	*	0		13.7	°C	1	02/01/2023 13:56	R324552
<b>STANDARD METHODS 4500-O G FIELD</b>								
Oxygen, Dissolved	*	0		0.25	mg/L	1	02/01/2023 13:56	R324552
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>								
Alkalinity, Bicarbonate (as CaCO <sub>3</sub> )	NELAP	0		449	mg/L	1	02/07/2023 14:27	R324478
<b>STANDARD METHODS 2320 B 1997, 2011</b>								
Alkalinity, Carbonate (as CaCO <sub>3</sub> )	NELAP	0		0	mg/L	1	02/07/2023 14:27	R324478
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>								
Total Dissolved Solids	NELAP	20		812	mg/L	1	02/03/2023 11:46	R324399
<b>SW-846 9036 (TOTAL)</b>								
Sulfate	NELAP	100		251	mg/L	10	02/07/2023 18:25	R324505
<b>SW-846 9214 (TOTAL)</b>								
Fluoride	NELAP	0.10		0.22	mg/L	1	02/09/2023 11:56	R324574
<b>SW-846 9251 (TOTAL)</b>								
Chloride	NELAP	1		20	mg/L	1	02/07/2023 18:20	R324483
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>								
Calcium	NELAP	0.100		164	mg/L	1	02/04/2023 1:18	202527
Magnesium	NELAP	0.050	B	74.1	mg/L	1	02/04/2023 1:18	202527
Potassium	NELAP	0.100		0.632	mg/L	1	02/04/2023 1:18	202527
Sodium	NELAP	0.050		31.0	mg/L	1	02/04/2023 1:18	202527
<i>Sample result exceeds 10 times the method blank contamination. Data is reportable per the TNI Standard.</i>								
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>								
Antimony	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 18:34	202527
Arsenic	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 18:34	202527
Barium	NELAP	1.0		17.0	µg/L	5	02/07/2023 18:34	202527
Beryllium	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 18:34	202527
Boron	NELAP	25.0		868	µg/L	5	02/07/2023 18:34	202527
Cadmium	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 18:34	202527
Chromium	NELAP	1.5		< 1.5	µg/L	5	02/07/2023 18:34	202527
Cobalt	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 18:34	202527
Lead	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 18:34	202527
Lithium	*	3.0		< 3.0	µg/L	5	02/07/2023 18:34	202527
Molybdenum	NELAP	1.5		< 1.5	µg/L	5	02/07/2023 18:34	202527
Selenium	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 18:34	202527
Thallium	NELAP	2.0		< 2.0	µg/L	5	02/07/2023 18:34	202527



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q1  
Lab ID: 23010897-021  
Matrix: GROUNDWATER

Work Order: 23010897  
Report Date: 17-Feb-23  
Client Sample ID: MW-8  
Collection Date: 02/01/2023 13:56

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 7470A (TOTAL)</b>								
Mercury	NELAP	0.20		< 0.20	µg/L	1	02/08/2023 9:56	202640



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
 Client Project: KIN-23Q1  
 Lab ID: 23010897-024  
 Matrix: GROUNDWATER

Work Order: 23010897  
 Report Date: 17-Feb-23  
 Client Sample ID: PZ-4C  
 Collection Date: 01/31/2023 11:25

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>								
Depth to water from measuring point	*	0		6.60	ft	1	01/31/2023 11:25	R324552
<b>STANDARD METHOD 4500-H B 2001 FIELD</b>								
pH	*	1.00		7.01		1	01/31/2023 11:25	R324552
<b>STANDARD METHODS 2130 B FIELD</b>								
Turbidity	*	1.0		640	NTU	1	01/31/2023 11:25	R324552
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>								
Oxidation-Reduction Potential	*	-300		-142	mV	1	01/31/2023 11:25	R324552
<b>STANDARD METHODS 2510 B FIELD</b>								
Spec. Conductance, Field	*	0		940	µS/cm	1	01/31/2023 11:25	R324552
<b>STANDARD METHODS 2550 B FIELD</b>								
Temperature	*	0		14.3	°C	1	01/31/2023 11:25	R324552
<b>STANDARD METHODS 4500-O G FIELD</b>								
Oxygen, Dissolved	*	0		9.46	mg/L	1	01/31/2023 11:25	R324552
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>								
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0		489	mg/L	1	02/06/2023 13:10	R324430
<b>STANDARD METHODS 2320 B 1997, 2011</b>								
Alkalinity, Carbonate (as CaCO3)	NELAP	0		0	mg/L	1	02/06/2023 13:10	R324430
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>								
Total Dissolved Solids	NELAP	50		500	mg/L	2.5	02/02/2023 11:52	R324362
<b>SW-846 9036 (TOTAL)</b>								
Sulfate	NELAP	50		69	mg/L	5	02/07/2023 19:13	R324505
<b>SW-846 9214 (TOTAL)</b>								
Fluoride	NELAP	0.10		0.43	mg/L	1	02/09/2023 11:59	R324574
<b>SW-846 9251 (TOTAL)</b>								
Chloride	NELAP	1		37	mg/L	1	02/07/2023 19:08	R324483
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>								
Calcium	NELAP	0.100		775	mg/L	1	02/04/2023 1:21	202527
Magnesium	NELAP	0.050	B	342	mg/L	1	02/04/2023 1:21	202527
Potassium	NELAP	1.00		12.2	mg/L	10	02/09/2023 13:38	202527
Sodium	NELAP	0.050		40.6	mg/L	1	02/04/2023 1:21	202527
<i>Sample result exceeds 10 times the method blank contamination. Data is reportable per the TNI Standard.</i>								
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>								
Antimony	NELAP	4.0		< 4.0	µg/L	20	02/09/2023 22:18	202527
Arsenic	NELAP	1.0		30.4	µg/L	5	02/08/2023 20:05	202527
Barium	NELAP	4.0		1820	µg/L	20	02/09/2023 22:18	202527
Beryllium	NELAP	1.0		4.2	µg/L	5	02/07/2023 18:41	202527
Boron	NELAP	25.0		1150	µg/L	5	02/07/2023 18:41	202527
Cadmium	NELAP	1.0		1.5	µg/L	5	02/08/2023 20:05	202527
Chromium	NELAP	1.5		158	µg/L	5	02/08/2023 20:05	202527
Cobalt	NELAP	1.0		71.9	µg/L	5	02/08/2023 20:05	202527
Lead	NELAP	4.0		195	µg/L	20	02/09/2023 22:18	202527
Lithium	*	3.0		141	µg/L	5	02/07/2023 18:41	202527
Molybdenum	NELAP	6.0		19.5	µg/L	20	02/09/2023 22:18	202527
Selenium	NELAP	4.0		< 4.0	µg/L	20	02/09/2023 22:18	202527
Thallium	NELAP	8.0		< 8.0	µg/L	20	02/09/2023 22:18	202527





# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q1  
Lab ID: 23010897-024  
Matrix: GROUNDWATER

Work Order: 23010897  
Report Date: 17-Feb-23  
Client Sample ID: PZ-4C  
Collection Date: 01/31/2023 11:25

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>								
<i>Elevated reporting limit due to matrix interference.</i>								
<b>SW-846 7470A (TOTAL)</b>								
Mercury	NELAP	0.20		0.24	µg/L	1	02/08/2023 10:00	202640



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23010897

Client Project: KIN-23Q1

Report Date: 17-Feb-23

Lab ID: 23010897-025

Client Sample ID: SG-02

Matrix: GROUNDWATER

Collection Date: 01/30/2023 0:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>								
Depth to water from measuring point	*	0		Not Provided	ft	1	01/30/2023 0:00	R324552



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
 Client Project: KIN-23Q1  
 Lab ID: 23010897-026  
 Matrix: GROUNDWATER

Work Order: 23010897  
 Report Date: 17-Feb-23  
 Client Sample ID: XPW01  
 Collection Date: 01/31/2023 15:05

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>								
Depth to water from measuring point	*	0		24.20	ft	1	01/31/2023 15:05	R324552
<b>STANDARD METHOD 4500-H B 2001 FIELD</b>								
pH	*	1.00		7.54		1	01/31/2023 15:05	R324552
<b>STANDARD METHODS 2130 B FIELD</b>								
Turbidity	*	1.0		< 1.0	NTU	1	01/31/2023 15:05	R324552
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>								
Oxidation-Reduction Potential	*	-300		-117	mV	1	01/31/2023 15:05	R324552
<b>STANDARD METHODS 2510 B FIELD</b>								
Spec. Conductance, Field	*	0		586	µS/cm	1	01/31/2023 15:05	R324552
<b>STANDARD METHODS 2550 B FIELD</b>								
Temperature	*	0		18.9	°C	1	01/31/2023 15:05	R324552
<b>STANDARD METHODS 4500-O G FIELD</b>								
Oxygen, Dissolved	*	0		0.26	mg/L	1	01/31/2023 15:05	R324552
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>								
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0		163	mg/L	1	02/06/2023 13:18	R324430
<b>STANDARD METHODS 2320 B 1997, 2011</b>								
Alkalinity, Carbonate (as CaCO3)	NELAP	0		0	mg/L	1	02/06/2023 13:18	R324430
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>								
Total Dissolved Solids	NELAP	20		340	mg/L	1	02/02/2023 11:52	R324362
<b>SW-846 9036 (TOTAL)</b>								
Sulfate	NELAP	50		125	mg/L	5	02/07/2023 19:21	R324505
<b>SW-846 9214 (TOTAL)</b>								
Fluoride	NELAP	0.10		0.65	mg/L	1	02/09/2023 12:01	R324574
<b>SW-846 9251 (TOTAL)</b>								
Chloride	NELAP	1		23	mg/L	1	02/07/2023 19:16	R324483
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>								
Calcium	NELAP	0.100		53.7	mg/L	1	02/04/2023 1:40	202527
Magnesium	NELAP	0.050	B	27.0	mg/L	1	02/04/2023 1:40	202527
Potassium	NELAP	0.100		5.14	mg/L	1	02/04/2023 1:40	202527
Sodium	NELAP	0.050		33.8	mg/L	1	02/04/2023 1:40	202527
<i>Sample result exceeds 10 times the method blank contamination. Data is reportable per the TNI Standard.</i>								
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>								
Antimony	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 17:18	202527
Arsenic	NELAP	1.0		1.2	µg/L	5	02/07/2023 17:18	202527
Barium	NELAP	1.0		59.8	µg/L	5	02/07/2023 17:18	202527
Beryllium	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 17:18	202527
Boron	NELAP	25.0		527	µg/L	5	02/07/2023 17:18	202527
Cadmium	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 17:18	202527
Chromium	NELAP	1.5		< 1.5	µg/L	5	02/07/2023 17:18	202527
Cobalt	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 17:18	202527
Lead	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 17:18	202527
Lithium	*	3.0		11.0	µg/L	5	02/07/2023 17:18	202527
Molybdenum	NELAP	1.5		4.9	µg/L	5	02/07/2023 17:18	202527
Selenium	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 17:18	202527
Thallium	NELAP	2.0		< 2.0	µg/L	5	02/07/2023 17:18	202527



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q1  
Lab ID: 23010897-026  
Matrix: GROUNDWATER

Work Order: 23010897  
Report Date: 17-Feb-23  
Client Sample ID: XPW01  
Collection Date: 01/31/2023 15:05

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 7470A (TOTAL)</b>								
Mercury	NELAP	0.20		< 0.20	µg/L	1	02/08/2023 10:02	202640

Client: Ramboll  
 Client Project: KIN-23Q1  
 Lab ID: 23010897-027  
 Matrix: GROUNDWATER

Work Order: 23010897  
 Report Date: 17-Feb-23  
 Client Sample ID: XPW02  
 Collection Date: 02/01/2023 10:32

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>								
Depth to water from measuring point	*	0		16.21	ft	1	02/01/2023 10:32	R324552
<b>STANDARD METHOD 4500-H B 2001 FIELD</b>								
pH	*	1.00		6.67		1	02/01/2023 10:32	R324552
<b>STANDARD METHODS 2130 B FIELD</b>								
Turbidity	*	1.0		170	NTU	1	02/01/2023 10:32	R324552
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>								
Oxidation-Reduction Potential	*	-300		-110	mV	1	02/01/2023 10:32	R324552
<b>STANDARD METHODS 2510 B FIELD</b>								
Spec. Conductance, Field	*	0		1400	µS/cm	1	02/01/2023 10:32	R324552
<b>STANDARD METHODS 2550 B FIELD</b>								
Temperature	*	0		15.4	°C	1	02/01/2023 10:32	R324552
<b>STANDARD METHODS 4500-O G FIELD</b>								
Oxygen, Dissolved	*	0		0.32	mg/L	1	02/01/2023 10:32	R324552
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>								
Alkalinity, Bicarbonate (as CaCO <sub>3</sub> )	NELAP	0		236	mg/L	1	02/06/2023 14:01	R324430
<b>STANDARD METHODS 2320 B 1997, 2011</b>								
Alkalinity, Carbonate (as CaCO <sub>3</sub> )	NELAP	0		0	mg/L	1	02/06/2023 14:01	R324430
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>								
Total Dissolved Solids	NELAP	20		262	mg/L	1	02/03/2023 11:46	R324399
<b>SW-846 9036 (TOTAL)</b>								
Sulfate	NELAP	100		282	mg/L	10	02/07/2023 19:43	R324505
<b>SW-846 9214 (TOTAL)</b>								
Fluoride	NELAP	0.10		0.31	mg/L	1	02/09/2023 12:11	R324574
<b>SW-846 9251 (TOTAL)</b>								
Chloride	NELAP	1		2	mg/L	1	02/07/2023 19:24	R324483
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>								
Calcium	NELAP	0.100		140	mg/L	1	02/04/2023 1:43	202527
Magnesium	NELAP	0.050	B	28.6	mg/L	1	02/04/2023 1:43	202527
Potassium	NELAP	1.00		14.8	mg/L	10	02/09/2023 13:42	202527
Sodium	NELAP	0.050		37.5	mg/L	1	02/04/2023 1:43	202527
<i>Sample result exceeds 10 times the method blank contamination. Data is reportable per the TNI Standard.</i>								
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>								
Antimony	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 17:24	202527
Arsenic	NELAP	1.0		77.1	µg/L	5	02/07/2023 17:24	202527
Barium	NELAP	1.0		160	µg/L	5	02/07/2023 17:24	202527
Beryllium	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 17:24	202527
Boron	NELAP	25.0		2990	µg/L	5	02/07/2023 17:24	202527
Cadmium	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 17:24	202527
Chromium	NELAP	1.5		2.9	µg/L	5	02/07/2023 17:24	202527
Cobalt	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 17:24	202527
Lead	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 17:24	202527
Lithium	*	3.0		40.3	µg/L	5	02/07/2023 17:24	202527
Molybdenum	NELAP	1.5		52.0	µg/L	5	02/07/2023 17:24	202527
Selenium	NELAP	1.0		19.7	µg/L	5	02/07/2023 17:24	202527
Thallium	NELAP	2.0		< 2.0	µg/L	5	02/07/2023 17:24	202527



## Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q1  
Lab ID: 23010897-027  
Matrix: GROUNDWATER

Work Order: 23010897  
Report Date: 17-Feb-23  
Client Sample ID: XPW02  
Collection Date: 02/01/2023 10:32

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 7470A (TOTAL)</b>								
Mercury	NELAP	0.20		< 0.20	µg/L	1	02/08/2023 10:05	202640



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
 Client Project: KIN-23Q1  
 Lab ID: 23010897-028  
 Matrix: GROUNDWATER

Work Order: 23010897  
 Report Date: 17-Feb-23  
 Client Sample ID: XPW03  
 Collection Date: 02/01/2023 9:47

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>								
Depth to water from measuring point	*	0		14.90	ft	1	02/01/2023 9:47	R324552
<b>STANDARD METHOD 4500-H B 2001 FIELD</b>								
pH	*	1.00		6.87		1	02/01/2023 9:47	R324552
<b>STANDARD METHODS 2130 B FIELD</b>								
Turbidity	*	1.0		50	NTU	1	02/01/2023 9:47	R324552
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>								
Oxidation-Reduction Potential	*	-300		-3	mV	1	02/01/2023 9:47	R324552
<b>STANDARD METHODS 2510 B FIELD</b>								
Spec. Conductance, Field	*	0		3720	µS/cm	1	02/01/2023 9:47	R324552
<b>STANDARD METHODS 2550 B FIELD</b>								
Temperature	*	0		16.2	°C	1	02/01/2023 9:47	R324552
<b>STANDARD METHODS 4500-O G FIELD</b>								
Oxygen, Dissolved	*	0		0.80	mg/L	1	02/01/2023 9:47	R324552
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>								
Alkalinity, Bicarbonate (as CaCO <sub>3</sub> )	NELAP	0		432	mg/L	1	02/07/2023 14:33	R324478
<b>STANDARD METHODS 2320 B 1997, 2011</b>								
Alkalinity, Carbonate (as CaCO <sub>3</sub> )	NELAP	0		0	mg/L	1	02/07/2023 14:33	R324478
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>								
Total Dissolved Solids	NELAP	50		290	mg/L	2.5	02/03/2023 11:46	R324399
<b>SW-846 9036 (TOTAL)</b>								
Sulfate	NELAP	500		1000	mg/L	50	02/08/2023 22:33	R324585
<b>SW-846 9214 (TOTAL)</b>								
Fluoride	NELAP	0.10		0.61	mg/L	1	02/09/2023 12:13	R324574
<b>SW-846 9251 (TOTAL)</b>								
Chloride	NELAP	1		4	mg/L	1	02/07/2023 19:45	R324483
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>								
Calcium	NELAP	0.100		199	mg/L	1	02/04/2023 1:47	202527
Magnesium	NELAP	0.050	B	69.1	mg/L	1	02/04/2023 1:47	202527
Potassium	NELAP	1.00		15.5	mg/L	10	02/09/2023 13:45	202527
Sodium	NELAP	0.050		364	mg/L	1	02/04/2023 1:47	202527
<i>Sample result exceeds 10 times the method blank contamination. Data is reportable per the TNI Standard.</i>								
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>								
Antimony	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 17:30	202527
Arsenic	NELAP	1.0		19.1	µg/L	5	02/07/2023 17:30	202527
Barium	NELAP	1.0		40.5	µg/L	5	02/07/2023 17:30	202527
Beryllium	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 17:30	202527
Boron	NELAP	25.0		3220	µg/L	5	02/07/2023 17:30	202527
Cadmium	NELAP	1.0		1.4	µg/L	5	02/07/2023 17:30	202527
Chromium	NELAP	1.5		< 1.5	µg/L	5	02/07/2023 17:30	202527
Cobalt	NELAP	1.0		4.3	µg/L	5	02/07/2023 17:30	202527
Lead	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 17:30	202527
Lithium	*	3.0		26.7	µg/L	5	02/07/2023 17:30	202527
Molybdenum	NELAP	1.5		48.0	µg/L	5	02/07/2023 17:30	202527
Selenium	NELAP	1.0		4.8	µg/L	5	02/07/2023 17:30	202527
Thallium	NELAP	2.0		< 2.0	µg/L	5	02/07/2023 17:30	202527



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q1  
Lab ID: 23010897-028  
Matrix: GROUNDWATER

Work Order: 23010897  
Report Date: 17-Feb-23  
Client Sample ID: XPW03  
Collection Date: 02/01/2023 9:47

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 7470A (TOTAL)</b>								
Mercury	NELAP	0.20		< 0.20	µg/L	1	02/08/2023 10:07	202640





# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
 Client Project: KIN-23Q1  
 Lab ID: 23010897-029  
 Matrix: GROUNDWATER

Work Order: 23010897  
 Report Date: 17-Feb-23  
 Client Sample ID: XPW04  
 Collection Date: 02/01/2023 15:09

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>								
Depth to water from measuring point	*	0		3.15	ft	1	02/01/2023 15:09	R324552
<b>STANDARD METHOD 4500-H B 2001 FIELD</b>								
pH	*	1.00		6.88		1	02/01/2023 15:09	R324552
<b>STANDARD METHODS 2130 B FIELD</b>								
Turbidity	*	1.0		< 1.0	NTU	1	02/01/2023 15:09	R324552
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>								
Oxidation-Reduction Potential	*	-300		-137	mV	1	02/01/2023 15:09	R324552
<b>STANDARD METHODS 2510 B FIELD</b>								
Spec. Conductance, Field	*	0		819	µS/cm	1	02/01/2023 15:09	R324552
<b>STANDARD METHODS 2550 B FIELD</b>								
Temperature	*	0		11.8	°C	1	02/01/2023 15:09	R324552
<b>STANDARD METHODS 4500-O G FIELD</b>								
Oxygen, Dissolved	*	0		0.11	mg/L	1	02/01/2023 15:09	R324552
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>								
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0		221	mg/L	1	02/07/2023 14:40	R324478
<b>STANDARD METHODS 2320 B 1997, 2011</b>								
Alkalinity, Carbonate (as CaCO3)	NELAP	0		0	mg/L	1	02/07/2023 14:40	R324478
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>								
Total Dissolved Solids	NELAP	50	H	325	mg/L	2.5	02/10/2023 11:13	R324719
<i>Sample required re-analysis out of hold time.</i>								
<b>SW-846 9036 (TOTAL)</b>								
Sulfate	NELAP	10		34	mg/L	1	02/07/2023 19:52	R324505
<b>SW-846 9214 (TOTAL)</b>								
Fluoride	NELAP	0.10		0.31	mg/L	1	02/09/2023 12:14	R324574
<b>SW-846 9251 (TOTAL)</b>								
Chloride	NELAP	1		14	mg/L	1	02/07/2023 19:53	R324483
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>								
Calcium	NELAP	0.100		49.4	mg/L	1	02/04/2023 1:51	202527
Magnesium	NELAP	0.050	B	23.0	mg/L	1	02/04/2023 1:51	202527
Potassium	NELAP	0.100		5.26	mg/L	1	02/04/2023 1:51	202527
Sodium	NELAP	0.050		30.3	mg/L	1	02/04/2023 1:51	202527
<i>Sample result exceeds 10 times the method blank contamination. Data is reportable per the TNI Standard.</i>								
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>								
Antimony	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 18:47	202527
Arsenic	NELAP	1.0		3.4	µg/L	5	02/07/2023 18:47	202527
Barium	NELAP	1.0		80.6	µg/L	5	02/07/2023 18:47	202527
Beryllium	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 18:47	202527
Boron	NELAP	25.0		902	µg/L	5	02/07/2023 18:47	202527
Cadmium	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 18:47	202527
Chromium	NELAP	1.5		< 1.5	µg/L	5	02/07/2023 18:47	202527
Cobalt	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 18:47	202527
Lead	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 18:47	202527
Lithium	*	3.0		14.7	µg/L	5	02/07/2023 18:47	202527
Molybdenum	NELAP	1.5		5.1	µg/L	5	02/07/2023 18:47	202527
Selenium	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 18:47	202527



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q1  
Lab ID: 23010897-029  
Matrix: GROUNDWATER

Work Order: 23010897  
Report Date: 17-Feb-23  
Client Sample ID: XPW04  
Collection Date: 02/01/2023 15:09

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>								
Thallium	NELAP	2.0		< 2.0	µg/L	5	02/07/2023 18:47	202527
<b>SW-846 7470A (TOTAL)</b>								
Mercury	NELAP	0.20		< 0.20	µg/L	1	02/08/2023 10:13	202640



## Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q1  
Lab ID: 23010897-030  
Matrix: GROUNDWATER

Work Order: 23010897  
Report Date: 17-Feb-23  
Client Sample ID: XSG-01  
Collection Date: 01/30/2023 14:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>								
Depth to water from measuring point	*	0		12.00	ft	1	01/30/2023 14:30	R324552



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
 Client Project: KIN-23Q1  
 Lab ID: 23010897-031  
 Matrix: GROUNDWATER

Work Order: 23010897  
 Report Date: 17-Feb-23  
 Client Sample ID: MW-8 Duplicate  
 Collection Date: 02/01/2023 13:56

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>								
Depth to water from measuring point	*	0		8.00	ft	1	02/01/2023 13:56	R324552
<b>STANDARD METHOD 4500-H B 2001 FIELD</b>								
pH	*	1.00		6.58		1	02/01/2023 13:56	R324552
<b>STANDARD METHODS 2130 B FIELD</b>								
Turbidity	*	1.0		3.0	NTU	1	02/01/2023 13:56	R324552
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>								
Oxidation-Reduction Potential	*	-300		69	mV	1	02/01/2023 13:56	R324552
<b>STANDARD METHODS 2510 B FIELD</b>								
Spec. Conductance, Field	*	0		1740	µS/cm	1	02/01/2023 13:56	R324552
<b>STANDARD METHODS 2550 B FIELD</b>								
Temperature	*	0		13.7	°C	1	02/01/2023 13:56	R324552
<b>STANDARD METHODS 4500-O G FIELD</b>								
Oxygen, Dissolved	*	0		0.25	mg/L	1	02/01/2023 13:56	R324552
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>								
Alkalinity, Bicarbonate (as CaCO <sub>3</sub> )	NELAP	0		448	mg/L	1	02/07/2023 14:45	R324478
<b>STANDARD METHODS 2320 B 1997, 2011</b>								
Alkalinity, Carbonate (as CaCO <sub>3</sub> )	NELAP	0		0	mg/L	1	02/07/2023 14:45	R324478
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>								
Total Dissolved Solids	NELAP	20		814	mg/L	1	02/03/2023 11:47	R324399
<b>SW-846 9036 (TOTAL)</b>								
Sulfate	NELAP	100		247	mg/L	10	02/07/2023 20:14	R324505
<b>SW-846 9214 (TOTAL)</b>								
Fluoride	NELAP	0.10		0.22	mg/L	1	02/09/2023 12:16	R324574
<b>SW-846 9251 (TOTAL)</b>								
Chloride	NELAP	1		21	mg/L	1	02/07/2023 20:04	R324483
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>								
Calcium	NELAP	0.100		163	mg/L	1	02/04/2023 1:55	202527
Magnesium	NELAP	0.050	B	74.7	mg/L	1	02/04/2023 1:55	202527
Potassium	NELAP	0.100		0.602	mg/L	1	02/04/2023 1:55	202527
Sodium	NELAP	0.050		30.6	mg/L	1	02/04/2023 1:55	202527
<i>Sample result exceeds 10 times the method blank contamination. Data is reportable per the TNI Standard.</i>								
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>								
Antimony	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 18:53	202527
Arsenic	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 18:53	202527
Barium	NELAP	1.0		19.8	µg/L	5	02/07/2023 18:53	202527
Beryllium	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 18:53	202527
Boron	NELAP	25.0		951	µg/L	5	02/07/2023 18:53	202527
Cadmium	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 18:53	202527
Chromium	NELAP	1.5		< 1.5	µg/L	5	02/07/2023 18:53	202527
Cobalt	NELAP	1.0		1.1	µg/L	5	02/07/2023 18:53	202527
Lead	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 18:53	202527
Lithium	*	3.0		< 3.0	µg/L	5	02/07/2023 18:53	202527
Molybdenum	NELAP	1.5		< 1.5	µg/L	5	02/07/2023 18:53	202527
Selenium	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 18:53	202527
Thallium	NELAP	2.0		< 2.0	µg/L	5	02/07/2023 18:53	202527



## Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q1  
Lab ID: 23010897-031  
Matrix: GROUNDWATER

Work Order: 23010897  
Report Date: 17-Feb-23  
Client Sample ID: MW-8 Duplicate  
Collection Date: 02/01/2023 13:56

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 7470A (TOTAL)</b>								
Mercury	NELAP	0.20		< 0.20	µg/L	1	02/08/2023 10:20	202640



## Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
 Client Project: KIN-23Q1  
 Lab ID: 23010897-032  
 Matrix: AQUEOUS

Work Order: 23010897  
 Report Date: 17-Feb-23  
 Client Sample ID: Field Blank  
 Collection Date: 02/01/2023 16:01

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>								
Alkalinity, Bicarbonate (as CaCO <sub>3</sub> )	NELAP	0		2	mg/L	1	02/07/2023 14:52	R324478
<b>STANDARD METHODS 2320 B 1997, 2011</b>								
Alkalinity, Carbonate (as CaCO <sub>3</sub> )	NELAP	0		0	mg/L	1	02/07/2023 14:52	R324478
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>								
Total Dissolved Solids	NELAP	20		< 20	mg/L	1	02/03/2023 11:47	R324399
<b>SW-846 9036 (TOTAL)</b>								
Sulfate	NELAP	10		< 10	mg/L	1	02/07/2023 20:41	R324505
<b>SW-846 9214 (TOTAL)</b>								
Fluoride	NELAP	0.10		< 0.10	mg/L	1	02/09/2023 12:18	R324574
<b>SW-846 9251 (TOTAL)</b>								
Chloride	NELAP	1		< 1	mg/L	1	02/07/2023 20:41	R324483
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>								
Calcium	NELAP	0.100		< 0.100	mg/L	1	02/04/2023 1:58	202527
Magnesium	NELAP	0.050	B	0.190	mg/L	1	02/04/2023 1:58	202527
Potassium	NELAP	0.100		< 0.100	mg/L	1	02/04/2023 1:58	202527
Sodium	NELAP	0.050		< 0.050	mg/L	1	02/04/2023 1:58	202527
<i>Sample result exceeds 10 times the method blank contamination. Data is reportable per the TNI Standard.</i>								
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>								
Antimony	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 19:00	202527
Arsenic	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 19:00	202527
Barium	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 19:00	202527
Beryllium	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 19:00	202527
Boron	NELAP	25.0		< 25.0	µg/L	5	02/07/2023 19:00	202527
Cadmium	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 19:00	202527
Chromium	NELAP	1.5		< 1.5	µg/L	5	02/07/2023 19:00	202527
Cobalt	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 19:00	202527
Lead	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 19:00	202527
Lithium	*	3.0		< 3.0	µg/L	5	02/07/2023 19:00	202527
Molybdenum	NELAP	1.5		< 1.5	µg/L	5	02/07/2023 19:00	202527
Selenium	NELAP	1.0		< 1.0	µg/L	5	02/07/2023 19:00	202527
Thallium	NELAP	2.0		< 2.0	µg/L	5	02/07/2023 19:00	202527
<b>SW-846 7470A (TOTAL)</b>								
Mercury	NELAP	0.20		< 0.20	µg/L	1	02/08/2023 10:23	202640



## Sample Summary

<http://www.teklabinc.com/>

**Client:** Ramboll  
**Client Project:** KIN-23Q1

**Work Order:** 23010897  
**Report Date:** 17-Feb-23

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
23010897-001	MW-1	Groundwater	3	01/30/2023 12:25
23010897-003	MW-11	Groundwater	3	01/30/2023 12:53
23010897-004	MW-12	Groundwater	3	02/01/2023 11:03
23010897-005	MW-2	Groundwater	3	01/31/2023 10:17
23010897-006	MW-20	Groundwater	2	01/31/2023 12:13
23010897-007	MW-20S	Groundwater	2	01/31/2023 11:52
23010897-008	MW-23	Groundwater	2	01/31/2023 10:37
23010897-009	MW-27	Groundwater	2	02/01/2023 12:46
23010897-010	MW-28	Groundwater	2	02/01/2023 11:23
23010897-011	MW-3	Groundwater	3	01/31/2023 11:04
23010897-012	MW-30	Groundwater	2	01/31/2023 14:40
23010897-013	MW-31	Groundwater	2	01/31/2023 14:07
23010897-014	MW-31S	Groundwater	2	01/31/2023 13:43
23010897-015	MW-32	Groundwater	2	01/31/2023 12:58
23010897-017	MW-5	Groundwater	3	01/31/2023 13:24
23010897-018	MW-6	Groundwater	3	02/01/2023 11:45
23010897-019	MW-7	Groundwater	3	02/01/2023 12:29
23010897-020	MW-7S	Groundwater	2	02/01/2023 12:04
23010897-021	MW-8	Groundwater	3	02/01/2023 13:56
23010897-024	PZ-4C	Groundwater	2	01/31/2023 11:25
23010897-025	SG-02	Groundwater	1	01/30/2023 0:00
23010897-026	XPW01	Groundwater	2	01/31/2023 15:05
23010897-027	XPW02	Groundwater	2	02/01/2023 10:32
23010897-028	XPW03	Groundwater	2	02/01/2023 9:47
23010897-029	XPW04	Groundwater	2	02/01/2023 15:09
23010897-030	XSG-01	Groundwater	1	01/30/2023 14:30
23010897-031	MW-8 Duplicate	Groundwater	3	02/01/2023 13:56
23010897-032	Field Blank	Aqueous	3	02/01/2023 16:01



## Dates Report

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23010897

Client Project: KIN-23Q1

Report Date: 17-Feb-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
Test Name					
23010897-001A	MW-1	01/30/2023 12:25	02/02/2023 8:00		
	EPA 600 353.2 R2.0 (Total)				02/02/2023 12:03
	EPA 600 353.2 R2.0 (Total)				02/02/2023 12:03
	Field Elevation Measurements				01/30/2023 12:25
	Standard Method 4500-H B 2001 Field				01/30/2023 12:25
	Standard Methods 2130 B Field				01/30/2023 12:25
	Standard Methods 18th Ed. 2580 B Field				01/30/2023 12:25
	Standard Methods 2320 B (Total) 1997, 2011				02/06/2023 13:36
	Standard Methods 2320 B 1997, 2011				02/06/2023 13:36
	Standard Methods 2510 B Field				01/30/2023 12:25
	Standard Methods 2540 C (Total) 1997, 2011				02/02/2023 11:31
	Standard Methods 2550 B Field				01/30/2023 12:25
	Standard Methods 4500-NO2 B (Total) 2000, 2011				02/02/2023 13:02
	Standard Methods 4500-O G Field				01/30/2023 12:25
	SW-846 9036 (Total)				02/07/2023 14:04
	SW-846 9214 (Total)				02/09/2023 10:57
	SW-846 9251 (Total)				02/07/2023 13:59
23010897-001B	MW-1	01/30/2023 12:25	02/02/2023 8:00		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/02/2023 9:59	02/04/2023 2:28
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			02/02/2023 9:59	02/07/2023 14:19
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			02/02/2023 9:59	02/08/2023 18:30
	SW-846 7470A (Total)			02/03/2023 9:06	02/03/2023 15:51
23010897-001C	MW-1	01/30/2023 12:25	02/02/2023 8:00		
	SW-846 9012A (Total)			02/02/2023 14:57	02/03/2023 7:32
23010897-003A	MW-11	01/30/2023 12:53	02/02/2023 8:00		
	EPA 600 353.2 R2.0 (Total)				02/02/2023 12:07
	EPA 600 353.2 R2.0 (Total)				02/02/2023 12:07
	Field Elevation Measurements				01/30/2023 12:53
	Standard Method 4500-H B 2001 Field				01/30/2023 12:53
	Standard Methods 2130 B Field				01/30/2023 12:53
	Standard Methods 18th Ed. 2580 B Field				01/30/2023 12:53
	Standard Methods 2320 B (Total) 1997, 2011				02/06/2023 13:41
	Standard Methods 2320 B 1997, 2011				02/06/2023 13:41
	Standard Methods 2510 B Field				01/30/2023 12:53
	Standard Methods 2540 C (Total) 1997, 2011				02/02/2023 11:32
	Standard Methods 2550 B Field				01/30/2023 12:53
	Standard Methods 4500-NO2 B (Total) 2000, 2011				02/02/2023 13:03





## Dates Report

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Client: Ramboll

Work Order: 23010897

Client Project: KIN-23Q1

Report Date: 17-Feb-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	Test Name				
	Standard Methods 4500-O G Field				01/30/2023 12:53
	SW-846 9036 (Total)				02/07/2023 14:34
	SW-846 9214 (Total)				02/09/2023 11:00
	SW-846 9251 (Total)				02/07/2023 14:28
23010897-003B	MW-11	01/30/2023 12:53	02/02/2023 8:00		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/02/2023 9:59	02/04/2023 2:35
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			02/02/2023 9:59	02/07/2023 14:32
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			02/02/2023 9:59	02/08/2023 18:42
	SW-846 7470A (Total)			02/03/2023 9:06	02/03/2023 15:56
23010897-003C	MW-11	01/30/2023 12:53	02/02/2023 8:00		
	SW-846 9012A (Total)			02/02/2023 14:57	02/03/2023 8:02
23010897-004A	MW-12	02/01/2023 11:03	02/02/2023 8:00		
	EPA 600 353.2 R2.0 (Total)				02/02/2023 12:16
	EPA 600 353.2 R2.0 (Total)				02/02/2023 12:16
	Field Elevation Measurements				02/01/2023 11:03
	Standard Method 4500-H B 2001 Field				02/01/2023 11:03
	Standard Methods 2130 B Field				02/01/2023 11:03
	Standard Methods 18th Ed. 2580 B Field				02/01/2023 11:03
	Standard Methods 2320 B (Total) 1997, 2011				02/07/2023 13:06
	Standard Methods 2320 B 1997, 2011				02/07/2023 13:06
	Standard Methods 2510 B Field				02/01/2023 11:03
	Standard Methods 2540 C (Total) 1997, 2011				02/06/2023 12:22
	Standard Methods 2550 B Field				02/01/2023 11:03
	Standard Methods 4500-NO2 B (Total) 2000, 2011				02/02/2023 13:05
	Standard Methods 4500-O G Field				02/01/2023 11:03
	SW-846 9036 (Total)				02/07/2023 14:41
	SW-846 9214 (Total)				02/09/2023 11:02
	SW-846 9251 (Total)				02/07/2023 14:36
23010897-004B	MW-12	02/01/2023 11:03	02/02/2023 8:00		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/02/2023 9:59	02/04/2023 2:39
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			02/02/2023 9:59	02/07/2023 14:38
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			02/02/2023 9:59	02/08/2023 18:49
	SW-846 7470A (Total)			02/03/2023 9:06	02/03/2023 16:02
23010897-004C	MW-12	02/01/2023 11:03	02/02/2023 8:00		
	SW-846 9012A (Total)			02/02/2023 14:57	02/03/2023 8:07
23010897-005A	MW-2	01/31/2023 10:17	02/02/2023 8:00		
	EPA 600 353.2 R2.0 (Total)				02/02/2023 12:18



## Dates Report

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23010897

Client Project: KIN-23Q1

Report Date: 17-Feb-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
Test Name					
	EPA 600 353.2 R2.0 (Total)				02/02/2023 12:18
	Field Elevation Measurements				01/31/2023 10:17
	Standard Method 4500-H B 2001 Field				01/31/2023 10:17
	Standard Methods 2130 B Field				01/31/2023 10:17
	Standard Methods 18th Ed. 2580 B Field				01/31/2023 10:17
	Standard Methods 2320 B (Total) 1997, 2011				02/06/2023 14:06
	Standard Methods 2320 B 1997, 2011				02/06/2023 14:06
	Standard Methods 2510 B Field				01/31/2023 10:17
	Standard Methods 2540 C (Total) 1997, 2011				02/02/2023 11:32
	Standard Methods 2550 B Field				01/31/2023 10:17
	Standard Methods 4500-NO2 B (Total) 2000, 2011				02/02/2023 13:05
	Standard Methods 4500-O G Field				01/31/2023 10:17
	SW-846 9036 (Total)				02/08/2023 21:43
	SW-846 9214 (Total)				02/09/2023 11:04
	SW-846 9251 (Total)				02/07/2023 14:47
23010897-005B	MW-2	01/31/2023 10:17	02/02/2023 8:00		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/02/2023 9:59	02/04/2023 2:43
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			02/02/2023 9:59	02/07/2023 14:44
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			02/02/2023 9:59	02/08/2023 18:55
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			02/02/2023 9:59	02/09/2023 21:59
	SW-846 7470A (Total)			02/03/2023 9:06	02/03/2023 16:18
23010897-005C	MW-2	01/31/2023 10:17	02/02/2023 8:00		
	SW-846 9012A (Total)			02/02/2023 14:57	02/03/2023 8:11
23010897-006A	MW-20	01/31/2023 12:13	02/02/2023 8:00		
	Field Elevation Measurements				01/31/2023 12:13
	Standard Method 4500-H B 2001 Field				01/31/2023 12:13
	Standard Methods 2130 B Field				01/31/2023 12:13
	Standard Methods 18th Ed. 2580 B Field				01/31/2023 12:13
	Standard Methods 2320 B (Total) 1997, 2011				02/07/2023 13:20
	Standard Methods 2320 B 1997, 2011				02/07/2023 13:20
	Standard Methods 2510 B Field				01/31/2023 12:13
	Standard Methods 2540 C (Total) 1997, 2011				02/02/2023 11:33
	Standard Methods 2550 B Field				01/31/2023 12:13
	Standard Methods 4500-O G Field				01/31/2023 12:13
	SW-846 9036 (Total)				02/07/2023 15:30
	SW-846 9214 (Total)				02/09/2023 11:06
	SW-846 9251 (Total)				02/07/2023 15:24



## Dates Report

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Client: Ramboll

Work Order: 23010897

Client Project: KIN-23Q1

Report Date: 17-Feb-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
Test Name				Prep Date/Time	Analysis Date/Time
23010897-006B	MW-20	01/31/2023 12:13	02/02/2023 8:00		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/02/2023 9:59	02/04/2023 2:46
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			02/02/2023 9:59	02/07/2023 14:51
	SW-846 7470A (Total)			02/03/2023 9:06	02/03/2023 16:05
23010897-007A	MW-20S	01/31/2023 11:52	02/02/2023 8:00		
	Field Elevation Measurements				01/31/2023 11:52
	Standard Method 4500-H B 2001 Field				01/31/2023 11:52
	Standard Methods 2130 B Field				01/31/2023 11:52
	Standard Methods 18th Ed. 2580 B Field				01/31/2023 11:52
	Standard Methods 2320 B (Total) 1997, 2011				02/07/2023 13:28
	Standard Methods 2320 B 1997, 2011				02/07/2023 13:28
	Standard Methods 2510 B Field				01/31/2023 11:52
	Standard Methods 2540 C (Total) 1997, 2011				02/02/2023 11:34
	Standard Methods 2550 B Field				01/31/2023 11:52
	Standard Methods 4500-O G Field				01/31/2023 11:52
	SW-846 9036 (Total)				02/08/2023 21:53
	SW-846 9214 (Total)				02/09/2023 11:08
	SW-846 9251 (Total)				02/07/2023 15:32
23010897-007B	MW-20S	01/31/2023 11:52	02/02/2023 8:00		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/02/2023 9:59	02/04/2023 2:50
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			02/02/2023 9:59	02/07/2023 14:57
	SW-846 7470A (Total)			02/03/2023 9:06	02/03/2023 16:07
23010897-008A	MW-23	01/31/2023 10:37	02/02/2023 8:00		
	Field Elevation Measurements				01/31/2023 10:37
	Standard Method 4500-H B 2001 Field				01/31/2023 10:37
	Standard Methods 2130 B Field				01/31/2023 10:37
	Standard Methods 18th Ed. 2580 B Field				01/31/2023 10:37
	Standard Methods 2320 B (Total) 1997, 2011				02/07/2023 13:35
	Standard Methods 2320 B 1997, 2011				02/07/2023 13:35
	Standard Methods 2510 B Field				01/31/2023 10:37
	Standard Methods 2540 C (Total) 1997, 2011				02/02/2023 11:34
	Standard Methods 2550 B Field				01/31/2023 10:37
	Standard Methods 4500-O G Field				01/31/2023 10:37
	SW-846 9036 (Total)				02/07/2023 15:39
	SW-846 9214 (Total)				02/09/2023 11:09
	SW-846 9251 (Total)				02/07/2023 15:40
23010897-008B	MW-23	01/31/2023 10:37	02/02/2023 8:00		



## Dates Report

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Client: Ramboll

Work Order: 23010897

Client Project: KIN-23Q1

Report Date: 17-Feb-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	Test Name				
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/02/2023 9:59	02/04/2023 2:54
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			02/02/2023 9:59	02/07/2023 15:29
	SW-846 7470A (Total)			02/03/2023 9:06	02/03/2023 16:14
23010897-009A	MW-27	02/01/2023 12:46	02/02/2023 8:00		
	Field Elevation Measurements				02/01/2023 12:46
	Standard Method 4500-H B 2001 Field				02/01/2023 12:46
	Standard Methods 2130 B Field				02/01/2023 12:46
	Standard Methods 18th Ed. 2580 B Field				02/01/2023 12:46
	Standard Methods 2320 B (Total) 1997, 2011				02/07/2023 13:42
	Standard Methods 2320 B 1997, 2011				02/07/2023 13:42
	Standard Methods 2510 B Field				02/01/2023 12:46
	Standard Methods 2540 C (Total) 1997, 2011				02/03/2023 11:42
	Standard Methods 2550 B Field				02/01/2023 12:46
	Standard Methods 4500-O G Field				02/01/2023 12:46
	SW-846 9036 (Total)				02/08/2023 21:58
	SW-846 9214 (Total)				02/09/2023 11:22
	SW-846 9251 (Total)				02/07/2023 15:48
23010897-009B	MW-27	02/01/2023 12:46	02/02/2023 8:00		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/02/2023 9:59	02/04/2023 2:58
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			02/02/2023 9:59	02/07/2023 15:35
	SW-846 7470A (Total)			02/03/2023 9:06	02/03/2023 16:16
23010897-010A	MW-28	02/01/2023 11:23	02/02/2023 8:00		
	Field Elevation Measurements				02/01/2023 11:23
	Standard Method 4500-H B 2001 Field				02/01/2023 11:23
	Standard Methods 2130 B Field				02/01/2023 11:23
	Standard Methods 18th Ed. 2580 B Field				02/01/2023 11:23
	Standard Methods 2320 B (Total) 1997, 2011				02/07/2023 13:50
	Standard Methods 2320 B 1997, 2011				02/07/2023 13:50
	Standard Methods 2510 B Field				02/01/2023 11:23
	Standard Methods 2540 C (Total) 1997, 2011				02/03/2023 11:42
	Standard Methods 2550 B Field				02/01/2023 11:23
	Standard Methods 4500-O G Field				02/01/2023 11:23
	SW-846 9036 (Total)				02/08/2023 22:18
	SW-846 9214 (Total)				02/09/2023 11:24
	SW-846 9251 (Total)				02/07/2023 15:56
23010897-010B	MW-28	02/01/2023 11:23	02/02/2023 8:00		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/02/2023 9:59	02/04/2023 3:23



## Dates Report

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Client: Ramboll

Work Order: 23010897

Client Project: KIN-23Q1

Report Date: 17-Feb-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	Test Name				
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			02/02/2023 9:59	02/07/2023 16:14
	SW-846 7470A (Total)			02/06/2023 9:13	02/07/2023 12:55
23010897-011A	MW-3	01/31/2023 11:04	02/02/2023 8:00		
	EPA 600 353.2 R2.0 (Total)				02/02/2023 11:12
	EPA 600 353.2 R2.0 (Total)				02/02/2023 11:12
	Field Elevation Measurements				01/31/2023 11:04
	Standard Method 4500-H B 2001 Field				01/31/2023 11:04
	Standard Methods 2130 B Field				01/31/2023 11:04
	Standard Methods 18th Ed. 2580 B Field				01/31/2023 11:04
	Standard Methods 2320 B (Total) 1997, 2011				02/07/2023 13:57
	Standard Methods 2320 B 1997, 2011				02/07/2023 13:57
	Standard Methods 2510 B Field				01/31/2023 11:04
	Standard Methods 2540 C (Total) 1997, 2011				02/02/2023 11:34
	Standard Methods 2550 B Field				01/31/2023 11:04
	Standard Methods 4500-NO2 B (Total) 2000, 2011				02/02/2023 10:59
	Standard Methods 4500-O G Field				01/31/2023 11:04
	SW-846 9036 (Total)				02/07/2023 16:22
	SW-846 9214 (Total)				02/09/2023 11:26
	SW-846 9251 (Total)				02/07/2023 16:17
23010897-011B	MW-3	01/31/2023 11:04	02/02/2023 8:00		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/02/2023 9:59	02/04/2023 3:01
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			02/02/2023 9:59	02/07/2023 15:42
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			02/02/2023 9:59	02/08/2023 19:01
	SW-846 7470A (Total)			02/07/2023 8:30	02/08/2023 9:24
23010897-011C	MW-3	01/31/2023 11:04	02/02/2023 8:00		
	SW-846 9012A (Total)			02/02/2023 14:57	02/03/2023 8:15
23010897-012A	MW-30	01/31/2023 14:40	02/02/2023 8:00		
	Field Elevation Measurements				01/31/2023 14:40
	Standard Method 4500-H B 2001 Field				01/31/2023 14:40
	Standard Methods 2130 B Field				01/31/2023 14:40
	Standard Methods 18th Ed. 2580 B Field				01/31/2023 14:40
	Standard Methods 2320 B (Total) 1997, 2011				02/07/2023 14:04
	Standard Methods 2320 B 1997, 2011				02/07/2023 14:04
	Standard Methods 2510 B Field				01/31/2023 14:40
	Standard Methods 2540 C (Total) 1997, 2011				02/02/2023 11:35
	Standard Methods 2550 B Field				01/31/2023 14:40
	Standard Methods 4500-O G Field				01/31/2023 14:40



## Dates Report

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Client: Ramboll

Work Order: 23010897

Client Project: KIN-23Q1

Report Date: 17-Feb-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	Test Name				
	SW-846 9036 (Total)				02/07/2023 16:25
	SW-846 9214 (Total)				02/09/2023 11:27
	SW-846 9251 (Total)				02/07/2023 16:25
23010897-012B	MW-30	01/31/2023 14:40	02/02/2023 8:00		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/02/2023 9:59	02/04/2023 3:20
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			02/02/2023 9:59	02/07/2023 15:48
	SW-846 7470A (Total)			02/07/2023 8:30	02/08/2023 9:26
23010897-013A	MW-31	01/31/2023 14:07	02/02/2023 8:00		
	Field Elevation Measurements				01/31/2023 14:07
	Standard Method 4500-H B 2001 Field				01/31/2023 14:07
	Standard Methods 2130 B Field				01/31/2023 14:07
	Standard Methods 18th Ed. 2580 B Field				01/31/2023 14:07
	Standard Methods 2320 B (Total) 1997, 2011				02/06/2023 12:41
	Standard Methods 2320 B 1997, 2011				02/06/2023 12:41
	Standard Methods 2510 B Field				01/31/2023 14:07
	Standard Methods 2540 C (Total) 1997, 2011				02/02/2023 11:35
	Standard Methods 2550 B Field				01/31/2023 14:07
	Standard Methods 4500-O G Field				01/31/2023 14:07
	SW-846 9036 (Total)				02/07/2023 16:33
	SW-846 9214 (Total)				02/09/2023 11:29
	SW-846 9251 (Total)				02/07/2023 16:38
23010897-013B	MW-31	01/31/2023 14:07	02/02/2023 8:00		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/02/2023 9:59	02/04/2023 3:35
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			02/02/2023 9:59	02/07/2023 15:55
	SW-846 7470A (Total)			02/07/2023 8:30	02/08/2023 9:28
23010897-014A	MW-31S	01/31/2023 13:43	02/02/2023 8:00		
	Field Elevation Measurements				01/31/2023 13:43
	Standard Method 4500-H B 2001 Field				01/31/2023 13:43
	Standard Methods 2130 B Field				01/31/2023 13:43
	Standard Methods 18th Ed. 2580 B Field				01/31/2023 13:43
	Standard Methods 2320 B (Total) 1997, 2011				02/06/2023 12:47
	Standard Methods 2320 B 1997, 2011				02/06/2023 12:47
	Standard Methods 2510 B Field				01/31/2023 13:43
	Standard Methods 2540 C (Total) 1997, 2011				02/02/2023 11:35
	Standard Methods 2550 B Field				01/31/2023 13:43
	Standard Methods 4500-O G Field				01/31/2023 13:43
	SW-846 9036 (Total)				02/07/2023 16:40



## Dates Report

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Client: Ramboll

Work Order: 23010897

Client Project: KIN-23Q1

Report Date: 17-Feb-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
Test Name					
	SW-846 9214 (Total)				02/09/2023 11:31
	SW-846 9251 (Total)				02/07/2023 16:41
23010897-014B	MW-31S	01/31/2023 13:43	02/02/2023 8:00		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/02/2023 9:59	02/04/2023 3:38
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			02/02/2023 9:59	02/07/2023 16:01
	SW-846 7470A (Total)			02/07/2023 8:30	02/08/2023 9:31
23010897-015A	MW-32	01/31/2023 12:58	02/02/2023 8:00		
	Field Elevation Measurements				01/31/2023 12:58
	Standard Method 4500-H B 2001 Field				01/31/2023 12:58
	Standard Methods 2130 B Field				01/31/2023 12:58
	Standard Methods 18th Ed. 2580 B Field				01/31/2023 12:58
	Standard Methods 2320 B (Total) 1997, 2011				02/06/2023 12:55
	Standard Methods 2320 B 1997, 2011				02/06/2023 12:55
	Standard Methods 2510 B Field				01/31/2023 12:58
	Standard Methods 2540 C (Total) 1997, 2011				02/02/2023 11:35
	Standard Methods 2550 B Field				01/31/2023 12:58
	Standard Methods 4500-O G Field				01/31/2023 12:58
	SW-846 9036 (Total)				02/08/2023 22:22
	SW-846 9214 (Total)				02/09/2023 11:32
	SW-846 9251 (Total)				02/07/2023 16:49
23010897-015B	MW-32	01/31/2023 12:58	02/02/2023 8:00		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/02/2023 9:59	02/04/2023 3:42
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			02/02/2023 9:59	02/07/2023 16:07
	SW-846 7470A (Total)			02/07/2023 8:30	02/08/2023 9:33
23010897-017A	MW-5	01/31/2023 13:24	02/02/2023 8:00		
	EPA 600 353.2 R2.0 (Total)				02/02/2023 11:17
	EPA 600 353.2 R2.0 (Total)				02/02/2023 11:17
	Field Elevation Measurements				01/31/2023 13:24
	Standard Method 4500-H B 2001 Field				01/31/2023 13:24
	Standard Methods 2130 B Field				01/31/2023 13:24
	Standard Methods 18th Ed. 2580 B Field				01/31/2023 13:24
	Standard Methods 2320 B (Total) 1997, 2011				02/06/2023 13:02
	Standard Methods 2320 B 1997, 2011				02/06/2023 13:02
	Standard Methods 2510 B Field				01/31/2023 13:24
	Standard Methods 2540 C (Total) 1997, 2011				02/02/2023 11:52
	Standard Methods 2550 B Field				01/31/2023 13:24
	Standard Methods 4500-NO2 B (Total) 2000, 2011				02/02/2023 11:01



## Dates Report

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23010897

Client Project: KIN-23Q1

Report Date: 17-Feb-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
Test Name					
	Standard Methods 4500-O G Field				01/31/2023 13:24
	SW-846 9036 (Total)				02/07/2023 17:34
	SW-846 9214 (Total)				02/09/2023 11:48
	SW-846 9251 (Total)				02/07/2023 17:34
23010897-017B	MW-5	01/31/2023 13:24	02/02/2023 8:00		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/02/2023 9:59	02/04/2023 3:46
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			02/02/2023 9:59	02/07/2023 17:05
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			02/02/2023 9:59	02/08/2023 19:14
	SW-846 7470A (Total)			02/07/2023 8:30	02/08/2023 9:37
23010897-017C	MW-5	01/31/2023 13:24	02/02/2023 8:00		
	SW-846 9012A (Total)			02/02/2023 14:57	02/03/2023 8:24
23010897-018A	MW-6	02/01/2023 11:45	02/02/2023 8:00		
	EPA 600 353.2 R2.0 (Total)				02/02/2023 11:19
	EPA 600 353.2 R2.0 (Total)				02/02/2023 11:19
	Field Elevation Measurements				02/01/2023 11:45
	Standard Method 4500-H B 2001 Field				02/01/2023 11:45
	Standard Methods 2130 B Field				02/01/2023 11:45
	Standard Methods 18th Ed. 2580 B Field				02/01/2023 11:45
	Standard Methods 2320 B (Total) 1997, 2011				02/06/2023 13:48
	Standard Methods 2320 B 1997, 2011				02/06/2023 13:48
	Standard Methods 2510 B Field				02/01/2023 11:45
	Standard Methods 2540 C (Total) 1997, 2011				02/03/2023 11:42
	Standard Methods 2550 B Field				02/01/2023 11:45
	Standard Methods 4500-NO2 B (Total) 2000, 2011				02/02/2023 13:06
	Standard Methods 4500-O G Field				02/01/2023 11:45
	SW-846 9036 (Total)				02/07/2023 18:01
	SW-846 9214 (Total)				02/09/2023 11:50
	SW-846 9251 (Total)				02/07/2023 17:42
23010897-018B	MW-6	02/01/2023 11:45	02/02/2023 8:00		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/02/2023 9:59	02/04/2023 3:49
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			02/02/2023 9:59	02/07/2023 17:11
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			02/02/2023 9:59	02/08/2023 19:27
	SW-846 7470A (Total)			02/07/2023 8:30	02/08/2023 9:40
23010897-018C	MW-6	02/01/2023 11:45	02/02/2023 8:00		
	SW-846 9012A (Total)			02/02/2023 14:57	02/03/2023 8:28
23010897-019A	MW-7	02/01/2023 12:29	02/02/2023 8:00		
	EPA 600 353.2 R2.0 (Total)				02/02/2023 11:21





## Dates Report

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23010897

Client Project: KIN-23Q1

Report Date: 17-Feb-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	Test Name				
	EPA 600 353.2 R2.0 (Total)				02/02/2023 11:21
	Field Elevation Measurements				02/01/2023 12:29
	Standard Method 4500-H B 2001 Field				02/01/2023 12:29
	Standard Methods 2130 B Field				02/01/2023 12:29
	Standard Methods 18th Ed. 2580 B Field				02/01/2023 12:29
	Standard Methods 2320 B (Total) 1997, 2011				02/07/2023 14:20
	Standard Methods 2320 B 1997, 2011				02/07/2023 14:20
	Standard Methods 2510 B Field				02/01/2023 12:29
	Standard Methods 2540 C (Total) 1997, 2011				02/10/2023 11:10
	Standard Methods 2550 B Field				02/01/2023 12:29
	Standard Methods 4500-NO2 B (Total) 2000, 2011				02/02/2023 13:07
	Standard Methods 4500-O G Field				02/01/2023 12:29
	SW-846 9036 (Total)				02/07/2023 18:10
	SW-846 9214 (Total)				02/09/2023 11:52
	SW-846 9251 (Total)				02/07/2023 18:04
23010897-019B	MW-7	02/01/2023 12:29	02/02/2023 8:00		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/02/2023 9:59	02/04/2023 4:12
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/02/2023 9:59	02/09/2023 13:22
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			02/02/2023 9:59	02/07/2023 17:43
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			02/02/2023 9:59	02/08/2023 20:25
	SW-846 7470A (Total)			02/07/2023 8:30	02/08/2023 9:51
23010897-019C	MW-7	02/01/2023 12:29	02/02/2023 8:00		
	SW-846 9012A (Total)			02/02/2023 14:57	02/03/2023 8:33
23010897-020A	MW-7S	02/01/2023 12:04	02/02/2023 8:00		
	Field Elevation Measurements				02/01/2023 12:04
	Standard Method 4500-H B 2001 Field				02/01/2023 12:04
	Standard Methods 2130 B Field				02/01/2023 12:04
	Standard Methods 18th Ed. 2580 B Field				02/01/2023 12:04
	Standard Methods 2320 B (Total) 1997, 2011				02/06/2023 13:54
	Standard Methods 2320 B 1997, 2011				02/06/2023 13:54
	Standard Methods 2510 B Field				02/01/2023 12:04
	Standard Methods 2540 C (Total) 1997, 2011				02/03/2023 11:43
	Standard Methods 2550 B Field				02/01/2023 12:04
	Standard Methods 4500-O G Field				02/01/2023 12:04
	SW-846 9036 (Total)				02/08/2023 22:27
	SW-846 9214 (Total)				02/09/2023 11:54
	SW-846 9251 (Total)				02/07/2023 18:12



## Dates Report

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23010897

Client Project: KIN-23Q1

Report Date: 17-Feb-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
Test Name					
23010897-020B	MW-7S	02/01/2023 12:04	02/02/2023 8:00		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/02/2023 9:59	02/04/2023 4:08
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/02/2023 9:59	02/09/2023 13:33
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			02/02/2023 9:59	02/07/2023 17:37
	SW-846 7470A (Total)			02/07/2023 8:30	02/08/2023 9:53
23010897-021A	MW-8	02/01/2023 13:56	02/02/2023 8:00		
	EPA 600 353.2 R2.0 (Total)				02/02/2023 11:41
	EPA 600 353.2 R2.0 (Total)				02/02/2023 11:41
	Field Elevation Measurements				02/01/2023 13:56
	Standard Method 4500-H B 2001 Field				02/01/2023 13:56
	Standard Methods 2130 B Field				02/01/2023 13:56
	Standard Methods 18th Ed. 2580 B Field				02/01/2023 13:56
	Standard Methods 2320 B (Total) 1997, 2011				02/07/2023 14:27
	Standard Methods 2320 B 1997, 2011				02/07/2023 14:27
	Standard Methods 2510 B Field				02/01/2023 13:56
	Standard Methods 2540 C (Total) 1997, 2011				02/03/2023 11:46
	Standard Methods 2550 B Field				02/01/2023 13:56
	Standard Methods 4500-NO2 B (Total) 2000, 2011				02/02/2023 13:07
	Standard Methods 4500-O G Field				02/01/2023 13:56
	SW-846 9036 (Total)				02/07/2023 18:25
	SW-846 9214 (Total)				02/09/2023 11:56
	SW-846 9251 (Total)				02/07/2023 18:20
23010897-021B	MW-8	02/01/2023 13:56	02/02/2023 8:00		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/02/2023 10:00	02/04/2023 1:18
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			02/02/2023 10:00	02/07/2023 18:34
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			02/02/2023 10:00	02/08/2023 19:21
	SW-846 7470A (Total)			02/07/2023 8:30	02/08/2023 9:56
23010897-021C	MW-8	02/01/2023 13:56	02/02/2023 8:00		
	SW-846 9012A (Total)			02/02/2023 14:57	02/03/2023 8:36
23010897-024A	PZ-4C	01/31/2023 11:25	02/02/2023 8:00		
	Field Elevation Measurements				01/31/2023 11:25
	Standard Method 4500-H B 2001 Field				01/31/2023 11:25
	Standard Methods 2130 B Field				01/31/2023 11:25
	Standard Methods 18th Ed. 2580 B Field				01/31/2023 11:25
	Standard Methods 2320 B (Total) 1997, 2011				02/06/2023 13:10
	Standard Methods 2320 B 1997, 2011				02/06/2023 13:10
	Standard Methods 2510 B Field				01/31/2023 11:25



## Dates Report

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23010897

Client Project: KIN-23Q1

Report Date: 17-Feb-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
Test Name					
	Standard Methods 2540 C (Total) 1997, 2011				02/02/2023 11:52
	Standard Methods 2550 B Field				01/31/2023 11:25
	Standard Methods 4500-O G Field				01/31/2023 11:25
	SW-846 9036 (Total)				02/07/2023 19:13
	SW-846 9214 (Total)				02/09/2023 11:59
	SW-846 9251 (Total)				02/07/2023 19:08
23010897-024B	PZ-4C	01/31/2023 11:25	02/02/2023 8:00		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/02/2023 10:00	02/04/2023 1:21
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/02/2023 10:00	02/09/2023 13:38
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			02/02/2023 10:00	02/07/2023 18:41
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			02/02/2023 10:00	02/08/2023 20:05
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			02/02/2023 10:00	02/09/2023 22:18
	SW-846 7470A (Total)			02/07/2023 8:30	02/08/2023 10:00
23010897-025A	SG-02	01/30/2023 0:00	02/02/2023 8:00		
	Field Elevation Measurements				01/30/2023 0:00
23010897-026A	XPW01	01/31/2023 15:05	02/02/2023 8:00		
	Field Elevation Measurements				01/31/2023 15:05
	Standard Method 4500-H B 2001 Field				01/31/2023 15:05
	Standard Methods 2130 B Field				01/31/2023 15:05
	Standard Methods 18th Ed. 2580 B Field				01/31/2023 15:05
	Standard Methods 2320 B (Total) 1997, 2011				02/06/2023 13:18
	Standard Methods 2320 B 1997, 2011				02/06/2023 13:18
	Standard Methods 2510 B Field				01/31/2023 15:05
	Standard Methods 2540 C (Total) 1997, 2011				02/02/2023 11:52
	Standard Methods 2550 B Field				01/31/2023 15:05
	Standard Methods 4500-O G Field				01/31/2023 15:05
	SW-846 9036 (Total)				02/07/2023 19:21
	SW-846 9214 (Total)				02/09/2023 12:01
	SW-846 9251 (Total)				02/07/2023 19:16
23010897-026B	XPW01	01/31/2023 15:05	02/02/2023 8:00		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/02/2023 10:00	02/04/2023 1:40
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			02/02/2023 10:00	02/07/2023 17:18
	SW-846 7470A (Total)			02/07/2023 8:30	02/08/2023 10:02
23010897-027A	XPW02	02/01/2023 10:32	02/02/2023 8:00		
	Field Elevation Measurements				02/01/2023 10:32
	Standard Method 4500-H B 2001 Field				02/01/2023 10:32
	Standard Methods 2130 B Field				02/01/2023 10:32



## Dates Report

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23010897

Client Project: KIN-23Q1

Report Date: 17-Feb-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
Test Name					
	Standard Methods 18th Ed. 2580 B Field				02/01/2023 10:32
	Standard Methods 2320 B (Total) 1997, 2011				02/06/2023 14:01
	Standard Methods 2320 B 1997, 2011				02/06/2023 14:01
	Standard Methods 2510 B Field				02/01/2023 10:32
	Standard Methods 2540 C (Total) 1997, 2011				02/03/2023 11:46
	Standard Methods 2550 B Field				02/01/2023 10:32
	Standard Methods 4500-O G Field				02/01/2023 10:32
	SW-846 9036 (Total)				02/07/2023 19:43
	SW-846 9214 (Total)				02/09/2023 12:11
	SW-846 9251 (Total)				02/07/2023 19:24
23010897-027B	XPW02	02/01/2023 10:32	02/02/2023 8:00		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/02/2023 10:00	02/04/2023 1:43
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/02/2023 10:00	02/09/2023 13:42
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			02/02/2023 10:00	02/07/2023 17:24
	SW-846 7470A (Total)			02/07/2023 8:30	02/08/2023 10:05
23010897-028A	XPW03	02/01/2023 9:47	02/02/2023 8:00		
	Field Elevation Measurements				02/01/2023 9:47
	Standard Method 4500-H B 2001 Field				02/01/2023 9:47
	Standard Methods 2130 B Field				02/01/2023 9:47
	Standard Methods 18th Ed. 2580 B Field				02/01/2023 9:47
	Standard Methods 2320 B (Total) 1997, 2011				02/07/2023 14:33
	Standard Methods 2320 B 1997, 2011				02/07/2023 14:33
	Standard Methods 2510 B Field				02/01/2023 9:47
	Standard Methods 2540 C (Total) 1997, 2011				02/03/2023 11:46
	Standard Methods 2550 B Field				02/01/2023 9:47
	Standard Methods 4500-O G Field				02/01/2023 9:47
	SW-846 9036 (Total)				02/08/2023 22:33
	SW-846 9214 (Total)				02/09/2023 12:13
	SW-846 9251 (Total)				02/07/2023 19:45
23010897-028B	XPW03	02/01/2023 9:47	02/02/2023 8:00		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/02/2023 10:00	02/04/2023 1:47
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/02/2023 10:00	02/09/2023 13:45
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			02/02/2023 10:00	02/07/2023 17:30
	SW-846 7470A (Total)			02/07/2023 8:30	02/08/2023 10:07
23010897-029A	XPW04	02/01/2023 15:09	02/02/2023 8:00		
	Field Elevation Measurements				02/01/2023 15:09
	Standard Method 4500-H B 2001 Field				02/01/2023 15:09



## Dates Report

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23010897

Client Project: KIN-23Q1

Report Date: 17-Feb-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	Test Name				
	Standard Methods 2130 B Field				02/01/2023 15:09
	Standard Methods 18th Ed. 2580 B Field				02/01/2023 15:09
	Standard Methods 2320 B (Total) 1997, 2011				02/07/2023 14:40
	Standard Methods 2320 B 1997, 2011				02/07/2023 14:40
	Standard Methods 2510 B Field				02/01/2023 15:09
	Standard Methods 2540 C (Total) 1997, 2011				02/10/2023 11:13
	Standard Methods 2550 B Field				02/01/2023 15:09
	Standard Methods 4500-O G Field				02/01/2023 15:09
	SW-846 9036 (Total)				02/07/2023 19:52
	SW-846 9214 (Total)				02/09/2023 12:14
	SW-846 9251 (Total)				02/07/2023 19:53
23010897-029B	XPW04	02/01/2023 15:09	02/02/2023 8:00		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/02/2023 10:00	02/04/2023 1:51
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			02/02/2023 10:00	02/07/2023 18:47
	SW-846 7470A (Total)			02/07/2023 8:30	02/08/2023 10:13
23010897-030A	XSG-01	01/30/2023 14:30	02/02/2023 8:00		
	Field Elevation Measurements				01/30/2023 14:30
23010897-031A	MW-8 Duplicate	02/01/2023 13:56	02/02/2023 8:00		
	EPA 600 353.2 R2.0 (Total)				02/02/2023 15:27
	EPA 600 353.2 R2.0 (Total)				02/02/2023 15:27
	Field Elevation Measurements				02/01/2023 13:56
	Standard Method 4500-H B 2001 Field				02/01/2023 13:56
	Standard Methods 2130 B Field				02/01/2023 13:56
	Standard Methods 18th Ed. 2580 B Field				02/01/2023 13:56
	Standard Methods 2320 B (Total) 1997, 2011				02/07/2023 14:45
	Standard Methods 2320 B 1997, 2011				02/07/2023 14:45
	Standard Methods 2510 B Field				02/01/2023 13:56
	Standard Methods 2540 C (Total) 1997, 2011				02/03/2023 11:47
	Standard Methods 2550 B Field				02/01/2023 13:56
	Standard Methods 4500-NO2 B (Total) 2000, 2011				02/02/2023 13:09
	Standard Methods 4500-O G Field				02/01/2023 13:56
	SW-846 9036 (Total)				02/07/2023 20:14
	SW-846 9214 (Total)				02/09/2023 12:16
	SW-846 9251 (Total)				02/07/2023 20:04
23010897-031B	MW-8 Duplicate	02/01/2023 13:56	02/02/2023 8:00		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/02/2023 10:00	02/04/2023 1:55
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			02/02/2023 10:00	02/07/2023 18:53



## Dates Report

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23010897

Client Project: KIN-23Q1

Report Date: 17-Feb-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	Test Name				
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			02/02/2023 10:00	02/08/2023 20:12
	SW-846 7470A (Total)			02/07/2023 8:30	02/08/2023 10:20
23010897-031C	MW-8 Duplicate	02/01/2023 13:56	02/02/2023 8:00		
	SW-846 9012A (Total)			02/02/2023 14:57	02/03/2023 7:06
23010897-032A	Field Blank	02/01/2023 16:01	02/02/2023 8:00		
	EPA 600 353.2 R2.0 (Total)				02/02/2023 11:47
	EPA 600 353.2 R2.0 (Total)				02/02/2023 11:47
	Standard Methods 2320 B (Total) 1997, 2011				02/07/2023 14:52
	Standard Methods 2320 B 1997, 2011				02/07/2023 14:52
	Standard Methods 2540 C (Total) 1997, 2011				02/03/2023 11:47
	Standard Methods 4500-NO2 B (Total) 2000, 2011				02/02/2023 13:09
	SW-846 9036 (Total)				02/07/2023 20:41
	SW-846 9214 (Total)				02/09/2023 12:18
	SW-846 9251 (Total)				02/07/2023 20:41
23010897-032B	Field Blank	02/01/2023 16:01	02/02/2023 8:00		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/02/2023 10:00	02/04/2023 1:58
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			02/02/2023 10:00	02/07/2023 19:00
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			02/02/2023 10:00	02/08/2023 20:18
	SW-846 7470A (Total)			02/07/2023 8:30	02/08/2023 10:23
23010897-032C	Field Blank	02/01/2023 16:01	02/02/2023 8:00		
	SW-846 9012A (Total)			02/02/2023 14:57	02/03/2023 7:19



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23010897

Client Project: KIN-23Q1

Report Date: 17-Feb-23

### STANDARD METHOD 4500-H B 2001 FIELD

Batch R324552		SampType: LCS		Units							
SampID: LCS-R324552											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
pH	*	1.00		<b>6.98</b>	7.000	0	99.7	98.57	101.4	01/30/2023	
pH	*	1.00		<b>6.99</b>	7.000	0	99.9	98.57	101.4	01/31/2023	
pH	*	1.00		<b>7.02</b>	7.000	0	100.3	98.57	101.4	02/01/2023	

### STANDARD METHODS 2510 B FIELD

Batch R324552		SampType: LCS		Units µS/cm							
SampID: LCS-R324552											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Spec. Conductance, Field	*	0		<b>1470</b>	1409	0	104.1	90	110	01/31/2023	
Spec. Conductance, Field	*	0		<b>1490</b>	1409	0	105.9	90	110	02/01/2023	
Spec. Conductance, Field	*	0		<b>1460</b>	1409	0	103.4	90	110	01/30/2023	

### EPA 600 353.2 R2.0 (TOTAL)

Batch R324319		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		<b>&lt; 0.050</b>						02/02/2023	
Nitrogen, Nitrate-Nitrite (as N)		0.050		<b>&lt; 0.050</b>	0.0090	0	0	-100	100	02/02/2023	

Batch R324319		SampType: LCS		Units mg/L							
SampID: ICB/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		<b>0.482</b>	0.5000	0	96.4	90	110	02/02/2023	

Batch R324319		SampType: MS		Units mg/L							
SampID: 23010897-003AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050	H	<b>0.278</b>	0.2500	0.04400	93.6	90	110	02/02/2023	

Batch R324319		SampType: MSD		Units mg/L							
SampID: 23010897-003AMSD											
RPD Limit: 10											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050	SH	<b>0.261</b>	0.2500	0.04400	86.8	0.2780	6.31	02/02/2023	



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23010897

Client Project: KIN-23Q1

Report Date: 17-Feb-23

### EPA 600 353.2 R2.0 (TOTAL)

Batch R324319		SampType: MS		Units mg/L							Date Analyzed
SampID: 23010897-019AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050	S	<b>0.247</b>	0.2500	0.02600	88.4	90	110	02/02/2023	

Batch R324319		SampType: MSD		Units mg/L							RPD Limit: 10	Date Analyzed
SampID: 23010897-019AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Nitrogen, Nitrate-Nitrite (as N)		0.050		<b>0.256</b>	0.2500	0.02600	92.0	0.2470	3.58	02/02/2023		

### STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R324362		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	02/02/2023	
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	02/02/2023	

Batch R324362		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Total Dissolved Solids		20		<b>922</b>	1000	0	92.2	90	110	02/02/2023	
Total Dissolved Solids		20		<b>906</b>	1000	0	90.6	90	110	02/02/2023	

Batch R324362		SampType: DUP		Units mg/L							RPD Limit: 5	Date Analyzed
SampID: 23010897-001ADUP												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Total Dissolved Solids		20		<b>312</b>				300.0	3.92	02/02/2023		

Batch R324362		SampType: DUP		Units mg/L							RPD Limit: 5	Date Analyzed
SampID: 23010897-006ADUP												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Total Dissolved Solids		20		<b>646</b>				648.0	0.31	02/02/2023		

Batch R324399		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	02/03/2023	
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	02/03/2023	
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	02/03/2023	





## Quality Control Results

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Client: Ramboll

Work Order: 23010897

Client Project: KIN-23Q1

Report Date: 17-Feb-23

### STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R324399		SampType: LCS		Units mg/L						
SampID: LCS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		916	1000	0	91.6	90	110	02/03/2023
Total Dissolved Solids		20		986	1000	0	98.6	90	110	02/03/2023
Total Dissolved Solids		20		904	1000	0	90.4	90	110	02/03/2023

Batch R324399		SampType: DUP		Units mg/L						
SampID: 23010897-018ADUP										
RPD Limit: 5										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		436				430.0	1.39	02/03/2023

Batch R324475		SampType: MBLK		Units mg/L						
SampID: MBLK										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	02/06/2023
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	02/06/2023

Batch R324475		SampType: LCS		Units mg/L						
SampID: LCS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		932	1000	0	93.2	90	110	02/06/2023
Total Dissolved Solids		20		936	1000	0	93.6	90	110	02/06/2023

Batch R324544		SampType: MBLK		Units mg/L						
SampID: MBLK										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	02/07/2023

Batch R324544		SampType: LCS		Units mg/L						
SampID: LCS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		962	1000	0	96.2	90	110	02/07/2023

Batch R324544		SampType: DUP		Units mg/L						
SampID: 23010897-002ADUP										
RPD Limit: 5										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		948				952.0	0.42	02/07/2023



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23010897

Client Project: KIN-23Q1

Report Date: 17-Feb-23

### STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R324719		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	02/10/2023	
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	02/10/2023	

Batch R324719		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Total Dissolved Solids		20		908	1000	0	90.8	90	110	02/10/2023	
Total Dissolved Solids		20		252	250.0	0	100.8	90	110	02/10/2023	

Batch R324719		SampType: DUP		Units mg/L							RPD Limit: 5	Date Analyzed
SampID: 23010897-019ADUP												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Total Dissolved Solids		20	H	622				638.0	2.54	02/10/2023		

Batch R324719		SampType: DUP		Units mg/L							RPD Limit: 5	Date Analyzed
SampID: 23010897-023ADUP												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Total Dissolved Solids		20	H	382				376.0	1.58	02/10/2023		

Batch R324719		SampType: DUP		Units mg/L							RPD Limit: 5	Date Analyzed
SampID: 23010897-029ADUP												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Total Dissolved Solids		50	H	340				325.0	4.51	02/10/2023		

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

Batch R324258		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrite (as N)	*	0.05		< 0.05	0.0250	0	0	-100	100	02/01/2023	
Nitrogen, Nitrite (as N)		0.05		< 0.05	0.0250	0	0	-100	100	02/01/2023	

Batch R324258		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrite (as N)		0.25		0.86	0.8130	0	105.2	90	110	02/01/2023	
Nitrogen, Nitrite (as N)	*	0.25		0.86	0.8130	0	105.2	90	110	02/01/2023	



## Quality Control Results

<http://www.teklabinc.com/>

**Client:** Ramboll  
**Client Project:** KIN-23Q1

**Work Order:** 23010897  
**Report Date:** 17-Feb-23

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

Batch R324258		SampType: MS		Units mg/L							Date Analyzed
SampID: 23010897-002AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrite (as N)		0.05		<b>0.55</b>	0.5000	0	109.6	85	115	02/02/2023	

Batch R324258		SampType: MSD		Units mg/L		RPD Limit: 10					Date Analyzed
SampID: 23010897-002AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Nitrogen, Nitrite (as N)		0.05		<b>0.54</b>	0.5000	0	109.0	0.5480	0.55	02/02/2023	

Batch R324258		SampType: MS		Units mg/L							Date Analyzed
SampID: 23010897-021AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrite (as N)		0.05		<b>0.54</b>	0.5000	0	108.8	85	115	02/02/2023	

Batch R324258		SampType: MSD		Units mg/L		RPD Limit: 10					Date Analyzed
SampID: 23010897-021AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Nitrogen, Nitrite (as N)		0.05		<b>0.55</b>	0.5000	0	109.4	0.5440	0.55	02/02/2023	

### SW-846 9012A (TOTAL)

Batch 202533		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK 230202 TCN1											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Cyanide		0.005		<b>&lt; 0.005</b>	0.0015	0	0	-100	100	02/03/2023	

Batch 202533		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS 230202 TCN1											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Cyanide		0.005		<b>0.025</b>	0.0250	0	99.8	90	110	02/03/2023	

Batch 202533		SampType: MS		Units mg/L							Date Analyzed
SampID: 23010897-031CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Cyanide		0.005	S	<b>0.010</b>	0.0250	0	39.6	75	125	02/03/2023	



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23010897

Client Project: KIN-23Q1

Report Date: 17-Feb-23

### SW-846 9012A (TOTAL)

Batch 202533		SampType: MSD		Units mg/L				RPD Limit: 15			
SampID: 23010897-031CMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Cyanide		0.005	SR	<b>0.013</b>	0.0250	0	53.8	0.009900	30.33	02/03/2023	

Batch 202533		SampType: MS		Units mg/L							
SampID: 23010897-032CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		<b>0.025</b>	0.0250	0	101.0	75	125	02/03/2023	

Batch 202533		SampType: MSD		Units mg/L				RPD Limit: 15			
SampID: 23010897-032CMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Cyanide		0.005		<b>0.025</b>	0.0250	0	98.9	0.02524	2.10	02/03/2023	

### SW-846 9036 (TOTAL)

Batch R324505		SampType: MBLK		Units mg/L							
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10		< 10	6.140	0	0	-100	100	02/07/2023	

Batch R324505		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		<b>20</b>	20.00	0	100.8	90	110	02/07/2023	

Batch R324505		SampType: MS		Units mg/L							
SampID: 23010897-016AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10		<b>46</b>	20.00	28.62	88.1	85	115	02/07/2023	

Batch R324505		SampType: MSD		Units mg/L				RPD Limit: 10			
SampID: 23010897-016AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Sulfate		10		<b>47</b>	20.00	28.62	93.5	46.24	2.31	02/07/2023	



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23010897

Client Project: KIN-23Q1

Report Date: 17-Feb-23

### SW-846 9036 (TOTAL)

Batch R324505		SampType: MS		Units mg/L							Date Analyzed
SampID: 23010897-023AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		50		<b>216</b>	100.0	123.6	92.6	85	115	02/07/2023	

Batch R324505		SampType: MSD		Units mg/L							RPD Limit: 10	Date Analyzed
SampID: 23010897-023AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Sulfate		50		<b>220</b>	100.0	123.6	96.3	216.3	1.67	02/07/2023		

Batch R324505		SampType: MS		Units mg/L							Date Analyzed
SampID: 23010897-031AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		100		<b>445</b>	200.0	247.2	98.8	85	115	02/07/2023	

Batch R324505		SampType: MSD		Units mg/L							RPD Limit: 10	Date Analyzed
SampID: 23010897-031AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Sulfate		100		<b>436</b>	200.0	247.2	94.5	444.8	1.93	02/07/2023		

Batch R324585		SampType: MBLK		Units mg/L							Date Analyzed
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10		<b>&lt; 10</b>	6.140	0	0	-100	100	02/08/2023	

Batch R324585		SampType: LCS		Units mg/L							Date Analyzed
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10		<b>19</b>	20.00	0	96.8	90	110	02/08/2023	

Batch R324585		SampType: MS		Units mg/L							Date Analyzed
SampID: 23010897-005AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		100		<b>342</b>	200.0	152.6	94.7	85	115	02/08/2023	

Batch R324585		SampType: MSD		Units mg/L							RPD Limit: 10	Date Analyzed
SampID: 23010897-005AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Sulfate		100		<b>348</b>	200.0	152.6	97.7	342.0	1.71	02/08/2023		



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23010897

Client Project: KIN-23Q1

Report Date: 17-Feb-23

### SW-846 9214 (TOTAL)

Batch R324574		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	0.0370	0	0	-100	100	02/09/2023	

Batch R324574		SampType: LCS		Units mg/L							
SampID: LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		1.00	1.000	0	99.9	90	110	02/09/2023	

Batch R324574		SampType: MS		Units mg/L							
SampID: 23010897-008AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.40	2.000	0.3290	103.3	75	125	02/09/2023	

Batch R324574		SampType: MSD		Units mg/L							
SampID: 23010897-008AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Fluoride		0.10		2.45	2.000	0.3290	106.0	2.395	2.19	02/09/2023	

Batch R324574		SampType: MS		Units mg/L							
SampID: 23010897-016AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.42	2.000	0.3190	105.0	75	125	02/09/2023	

Batch R324574		SampType: MSD		Units mg/L							
SampID: 23010897-016AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Fluoride		0.10		2.36	2.000	0.3190	102.2	2.418	2.34	02/09/2023	

Batch R324574		SampType: MS		Units mg/L							
SampID: 23010897-026AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.77	2.000	0.6490	106.0	75	125	02/09/2023	

Batch R324574		SampType: MSD		Units mg/L							
SampID: 23010897-026AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Fluoride		0.10		2.74	2.000	0.6490	104.5	2.770	1.13	02/09/2023	



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23010897

Client Project: KIN-23Q1

Report Date: 17-Feb-23

### SW-846 9214 (TOTAL)

Batch R324574		SampType: MS		Units mg/L							Date Analyzed
SampID: 23010897-032AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		<b>2.04</b>	2.000	0	102.0	75	125	02/09/2023	

Batch R324574		SampType: MSD		Units mg/L							RPD Limit: 15	Date Analyzed
SampID: 23010897-032AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Fluoride		0.10		<b>2.01</b>	2.000	0	100.5	2.039	1.48	02/09/2023		

### SW-846 9251 (TOTAL)

Batch R324483		SampType: MBLK		Units mg/L							Date Analyzed
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		1		< 1	0.5000	0	0	-100	100	02/07/2023	

Batch R324483		SampType: LCS		Units mg/L							Date Analyzed
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		1		<b>21</b>	20.00	0	103.9	90	110	02/07/2023	

Batch R324483		SampType: MS		Units mg/L							Date Analyzed
SampID: 23010897-005AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		1		<b>39</b>	20.00	18.80	100.8	85	115	02/07/2023	

Batch R324483		SampType: MSD		Units mg/L							RPD Limit: 15	Date Analyzed
SampID: 23010897-005AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Chloride		1		<b>39</b>	20.00	18.80	99.0	38.96	0.95	02/07/2023		

Batch R324483		SampType: MS		Units mg/L							Date Analyzed
SampID: 23010897-016AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		1		<b>48</b>	20.00	30.09	89.3	85	115	02/07/2023	



## Quality Control Results

<http://www.teklabinc.com/>

**Client:** Ramboll  
**Client Project:** KIN-23Q1

**Work Order:** 23010897  
**Report Date:** 17-Feb-23

**SW-846 9251 (TOTAL)**

Batch R324483		SampType: MSD		Units mg/L				RPD Limit: 15			Date Analyzed
SampID: 23010897-016AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Chloride		1		<b>48</b>	20.00	30.09	89.5	47.95	0.06	02/07/2023	

Batch R324483		SampType: MS		Units mg/L				Low Limit	High Limit	Date Analyzed
SampID: 23010897-023AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		1		<b>25</b>	20.00	5.150	98.5	85	115	02/07/2023

Batch R324483		SampType: MSD		Units mg/L				RPD Limit: 15			Date Analyzed
SampID: 23010897-023AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Chloride		1		<b>25</b>	20.00	5.150	98.6	24.84	0.08	02/07/2023	

Batch R324483		SampType: MS		Units mg/L				Low Limit	High Limit	Date Analyzed
SampID: 23010897-031AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		1		<b>39</b>	20.00	20.67	90.7	85	115	02/07/2023

Batch R324483		SampType: MSD		Units mg/L				RPD Limit: 15			Date Analyzed
SampID: 23010897-031AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Chloride		1		<b>39</b>	20.00	20.67	90.6	38.80	0.03	02/07/2023	

Batch R324589		SampType: MBLK		Units mg/L				Low Limit	High Limit	Date Analyzed
SampID: ICB/MBLK										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		1		< 1	0.5000	0	0	-100	100	02/08/2023

Batch R324589		SampType: LCS		Units mg/L				Low Limit	High Limit	Date Analyzed
SampID: ICV/LCS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		1		<b>20</b>	20.00	0	99.3	90	110	02/08/2023





## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23010897

Client Project: KIN-23Q1

Report Date: 17-Feb-23

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

**Batch 202526**    **SampType: MBLK**    Units mg/L  
 SampID: MBLK-202526

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	02/04/2023
Magnesium		0.050		< 0.050	0.0055	0	0	-100	100	02/04/2023
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	02/04/2023
Sodium		0.050		< 0.050	0.0180	0	0	-100	100	02/04/2023

**Batch 202526**    **SampType: LCS**    Units mg/L  
 SampID: LCS-202526

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		2.72	2.500	0	109.0	85	115	02/04/2023
Magnesium		0.050		2.66	2.500	0	106.3	85	115	02/04/2023
Potassium		0.100		2.68	2.500	0	107.3	85	115	02/04/2023
Sodium		0.050		2.41	2.500	0	96.6	85	115	02/04/2023

**Batch 202526**    **SampType: MS**    Units mg/L  
 SampID: 23010897-010BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	269	2.500	269.9	-36.0	75	125	02/04/2023
Magnesium		0.050		123	2.500	121.0	76.0	75	125	02/04/2023
Potassium		0.100		3.90	2.500	0.9642	117.4	75	125	02/04/2023
Sodium		0.050	S	128	2.500	127.1	56.0	75	125	02/04/2023

**Batch 202526**    **SampType: MSD**    Units mg/L    RPD Limit: 20  
 SampID: 23010897-010BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	266	2.500	269.9	-172.0	269.0	1.27	02/04/2023
Magnesium		0.050	S	121	2.500	121.0	4.0	122.9	1.48	02/04/2023
Potassium		0.100		3.90	2.500	0.9642	117.4	3.898	0.05	02/04/2023
Sodium		0.050	S	127	2.500	127.1	0	128.5	1.10	02/04/2023

**Batch 202526**    **SampType: MS**    Units mg/L  
 SampID: 23010897-019BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		133	2.500	130.4	104.0	75	125	02/09/2023
Magnesium		0.050	S	55.8	2.500	52.47	133.6	75	125	02/09/2023
Potassium		0.100		3.74	2.500	1.023	108.9	75	125	02/04/2023
Sodium		0.050		13.3	2.500	10.77	102.0	75	125	02/09/2023



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23010897

Client Project: KIN-23Q1

Report Date: 17-Feb-23

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

Batch 202526		SampType: MSD		Units mg/L				RPD Limit: 20			Date Analyzed
SampID: 23010897-019BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Calcium		0.100	S	<b>135</b>	2.500	130.4	176.0	133.0	1.34	02/09/2023	
Magnesium		0.050		<b>55.3</b>	2.500	52.47	114.4	55.81	0.86	02/09/2023	
Potassium		0.100		<b>3.74</b>	2.500	1.023	108.8	3.745	0.05	02/04/2023	
Sodium		0.050		<b>13.4</b>	2.500	10.77	103.6	13.32	0.30	02/09/2023	

Batch 202527		SampType: MBLK		Units mg/L						Date Analyzed
SampID: MBLK-202527										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		<b>&lt; 0.100</b>	0.0350	0	0	-100	100	02/03/2023
Magnesium		0.0500	S	<b>&lt; 0.0500</b>	0.0055	0	143.6	-100	100	02/03/2023
Magnesium		0.0500	S	<b>&lt; 0.0500</b>	0.0055	0	114.5	-100	100	02/03/2023
Potassium		0.100		<b>&lt; 0.100</b>	0.0400	0	0	-100	100	02/03/2023
Sodium		0.0500		<b>&lt; 0.0500</b>	0.0180	0	0	-100	100	02/03/2023

Batch 202527		SampType: LCS		Units mg/L						Date Analyzed
SampID: LCS-202527										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		<b>2.57</b>	2.500	0	102.8	85	115	02/03/2023
Magnesium		0.0500	B	<b>2.49</b>	2.500	0	99.7	85	115	02/03/2023
Magnesium		0.0500	B	<b>2.50</b>	2.500	0	100.2	85	115	02/03/2023
Potassium		0.100		<b>2.52</b>	2.500	0	101.0	85	115	02/03/2023
Sodium		0.0500		<b>2.31</b>	2.500	0	92.4	85	115	02/03/2023



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23010897

Client Project: KIN-23Q1

Report Date: 17-Feb-23

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

Batch 202526    SampType: MBLK    Units µg/L

SampID: MBLK-202526

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	02/07/2023
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	02/07/2023
Barium		1.0		< 1.0	0.7000	0	0	-100	100	02/07/2023
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100	02/07/2023
Boron		25.0		< 25.0	9.250	0	0	-100	100	02/07/2023
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100	02/07/2023
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	02/07/2023
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	02/07/2023
Copper		1.0		< 1.0	0.4000	0	0	-100	100	02/07/2023
Iron		25.0		< 25.0	11.50	0	0	-100	100	02/07/2023
Lead		1.0		< 1.0	0.6000	0	0	-100	100	02/07/2023
Lithium	*	3.0		< 3.0	1.450	0	0	-100	100	02/07/2023
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	02/07/2023
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	02/07/2023
Nickel		1.0		< 1.0	0.4300	0	0	-100	100	02/07/2023
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	02/07/2023
Silver		1.0		< 1.0	0.1110	0	0	-100	100	02/07/2023
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	02/07/2023
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	02/07/2023
Zinc		15.0		< 15.0	5.900	0	0	-100	100	02/07/2023



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23010897

Client Project: KIN-23Q1

Report Date: 17-Feb-23

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

Batch **202526** SampType: **LCS** Units **µg/L**

SampID: LCS-202526

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		<b>483</b>	500.0	0	96.6	80	120	02/07/2023
Arsenic		1.0		<b>477</b>	500.0	0	95.4	80	120	02/07/2023
Barium		1.0		<b>1940</b>	2000	0	97.2	80	120	02/07/2023
Beryllium		1.0		<b>47.6</b>	50.00	0	95.1	80	120	02/07/2023
Boron		25.0		<b>480</b>	500.0	0	96.0	80	120	02/07/2023
Cadmium		1.0		<b>48.0</b>	50.00	0	96.0	80	120	02/07/2023
Chromium		1.5		<b>194</b>	200.0	0	97.2	80	120	02/07/2023
Cobalt		1.0		<b>489</b>	500.0	0	97.7	80	120	02/07/2023
Copper		1.0		<b>244</b>	250.0	0	97.7	80	120	02/07/2023
Iron		25.0		<b>1910</b>	2000	0	95.7	80	120	02/07/2023
Lead		1.0		<b>503</b>	500.0	0	100.5	80	120	02/07/2023
Lithium	*	3.0		<b>499</b>	500.0	0	99.9	80	120	02/07/2023
Manganese		2.0		<b>485</b>	500.0	0	97.1	80	120	02/07/2023
Molybdenum		1.5		<b>462</b>	500.0	0	92.5	80	120	02/07/2023
Nickel		1.0		<b>475</b>	500.0	0	95.0	80	120	02/07/2023
Selenium		1.0		<b>441</b>	500.0	0	88.1	80	120	02/07/2023
Silver		1.0		<b>52.2</b>	50.00	0	104.4	80	120	02/07/2023
Thallium		2.0		<b>244</b>	250.0	0	97.5	80	120	02/07/2023
Vanadium		5.0		<b>478</b>	500.0	0	95.6	80	120	02/07/2023
Zinc		15.0		<b>444</b>	500.0	0	88.8	80	120	02/07/2023



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23010897

Client Project: KIN-23Q1

Report Date: 17-Feb-23

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

Batch 202526		SampType: MS		Units µg/L							Date Analyzed
SampID: 23010897-010BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Antimony		1.0		<b>521</b>	500.0	0	104.3	75	125	02/07/2023	
Arsenic		1.0		<b>542</b>	500.0	0.9949	108.1	75	125	02/07/2023	
Barium		1.0		<b>2170</b>	2000	24.32	107.1	75	125	02/07/2023	
Beryllium		1.0		<b>50.8</b>	50.00	0	101.6	75	125	02/07/2023	
Boron		25.0	S	<b>9070</b>	500.0	7964	222.0	75	125	02/07/2023	
Cadmium		1.0		<b>50.6</b>	50.00	0	101.3	75	125	02/07/2023	
Chromium		1.5		<b>210</b>	200.0	0	105.0	75	125	02/07/2023	
Cobalt		1.0		<b>515</b>	500.0	0.5236	102.9	75	125	02/07/2023	
Lead		1.0		<b>537</b>	500.0	0	107.3	75	125	02/07/2023	
Lithium	*	3.0		<b>539</b>	500.0	5.661	106.7	75	125	02/07/2023	
Molybdenum		1.5		<b>528</b>	500.0	0	105.5	75	125	02/07/2023	
Selenium		1.0		<b>486</b>	500.0	0	97.2	75	125	02/07/2023	
Thallium		2.0		<b>264</b>	250.0	0	105.5	75	125	02/07/2023	

Batch 202526		SampType: MSD		Units µg/L							RPD Limit: 20	Date Analyzed
SampID: 23010897-010BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Antimony		1.0		<b>507</b>	500.0	0	101.4	521.3	2.80	02/07/2023		
Arsenic		1.0		<b>535</b>	500.0	0.9949	106.9	541.7	1.20	02/07/2023		
Barium		1.0		<b>2120</b>	2000	24.32	105.0	2167	1.98	02/07/2023		
Beryllium		1.0		<b>48.6</b>	50.00	0	97.2	50.79	4.42	02/07/2023		
Boron		25.0	S	<b>8690</b>	500.0	7964	145.2	9074	4.32	02/07/2023		
Cadmium		1.0		<b>49.3</b>	50.00	0	98.5	50.65	2.79	02/07/2023		
Chromium		1.5		<b>205</b>	200.0	0	102.6	210.0	2.32	02/07/2023		
Cobalt		1.0		<b>503</b>	500.0	0.5236	100.5	514.8	2.28	02/07/2023		
Lead		1.0		<b>513</b>	500.0	0	102.5	536.7	4.59	02/07/2023		
Lithium	*	3.0		<b>519</b>	500.0	5.661	102.6	539.2	3.85	02/07/2023		
Molybdenum		1.5		<b>513</b>	500.0	0	102.6	527.5	2.84	02/07/2023		
Selenium		1.0		<b>477</b>	500.0	0	95.4	486.1	1.95	02/07/2023		
Thallium		2.0		<b>250</b>	250.0	0	100.1	263.7	5.26	02/07/2023		



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23010897

Client Project: KIN-23Q1

Report Date: 17-Feb-23

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

Batch **202526** SampType: **MS** Units  $\mu\text{g/L}$

SampleID: 23010897-019BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		<b>463</b>	500.0	0	92.5	75	125	02/07/2023
Arsenic		1.0		<b>499</b>	500.0	1.139	99.7	75	125	02/07/2023
Barium		1.0		<b>1940</b>	2000	31.82	95.6	75	125	02/07/2023
Beryllium		1.0		<b>45.7</b>	50.00	0	91.5	75	125	02/07/2023
Boron		25.0		<b>621</b>	500.0	140.4	96.1	75	125	02/07/2023
Cadmium		1.0		<b>46.3</b>	50.00	0	92.6	75	125	02/07/2023
Chromium		1.5		<b>194</b>	200.0	0	96.9	75	125	02/07/2023
Cobalt		1.0		<b>481</b>	500.0	0.8494	96.0	75	125	02/07/2023
Copper		1.0		<b>234</b>	250.0	0.9755	93.3	75	125	02/07/2023
Iron		25.0		<b>2360</b>	2000	429.5	96.5	75	125	02/07/2023
Lead		1.0		<b>470</b>	500.0	0	93.9	75	125	02/07/2023
Lithium	*	3.0		<b>484</b>	500.0	2.111	96.3	75	125	02/07/2023
Manganese		2.0		<b>2340</b>	500.0	1738	120.7	75	125	02/07/2023
Molybdenum		1.5		<b>471</b>	500.0	1.853	93.9	75	125	02/07/2023
Nickel		1.0		<b>459</b>	500.0	1.958	91.4	75	125	02/07/2023
Selenium		1.0		<b>452</b>	500.0	0	90.4	75	125	02/07/2023
Silver		1.0		<b>48.4</b>	50.00	0	96.8	75	125	02/07/2023
Thallium		2.0		<b>233</b>	250.0	0	93.3	75	125	02/07/2023
Vanadium		5.0		<b>461</b>	500.0	0	92.2	75	125	02/07/2023
Zinc		15.0		<b>400</b>	500.0	0	80.1	75	125	02/08/2023



## Quality Control Results

<http://www.teklabinc.com/>

**Client:** Ramboll

**Work Order:** 23010897

**Client Project:** KIN-23Q1

**Report Date:** 17-Feb-23

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

Batch	SampType:	MSD	Units µg/L							RPD Limit: 20	Date Analyzed
SampID: 23010897-019BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Antimony		1.0		<b>462</b>	500.0	0	92.5	462.6	0.02	02/07/2023	
Arsenic		1.0		<b>486</b>	500.0	1.139	97.0	499.5	2.73	02/07/2023	
Barium		1.0		<b>1960</b>	2000	31.82	96.4	1944	0.80	02/07/2023	
Beryllium		1.0		<b>46.0</b>	50.00	0	92.0	45.73	0.61	02/07/2023	
Boron		25.0		<b>607</b>	500.0	140.4	93.4	620.8	2.19	02/07/2023	
Cadmium		1.0		<b>45.3</b>	50.00	0	90.5	46.29	2.24	02/07/2023	
Chromium		1.5		<b>195</b>	200.0	0	97.4	193.8	0.51	02/07/2023	
Cobalt		1.0		<b>471</b>	500.0	0.8494	93.9	480.6	2.12	02/07/2023	
Copper		1.0		<b>230</b>	250.0	0.9755	91.5	234.3	1.95	02/07/2023	
Iron		25.0		<b>2300</b>	2000	429.5	93.6	2360	2.52	02/07/2023	
Lead		1.0		<b>469</b>	500.0	0	93.9	469.7	0.06	02/07/2023	
Lithium	*	3.0		<b>477</b>	500.0	2.111	95.0	483.8	1.44	02/07/2023	
Manganese		2.0		<b>2320</b>	500.0	1738	115.8	2341	1.04	02/07/2023	
Molybdenum		1.5		<b>463</b>	500.0	1.853	92.3	471.5	1.74	02/07/2023	
Nickel		1.0		<b>451</b>	500.0	1.958	89.7	458.8	1.81	02/07/2023	
Selenium		1.0		<b>443</b>	500.0	0	88.6	452.1	2.07	02/07/2023	
Silver		1.0		<b>47.4</b>	50.00	0	94.8	48.41	2.14	02/07/2023	
Thallium		2.0		<b>234</b>	250.0	0	93.6	233.2	0.39	02/07/2023	
Vanadium		5.0		<b>460</b>	500.0	0	92.0	460.8	0.19	02/07/2023	
Zinc		15.0		<b>407</b>	500.0	0	81.4	400.3	1.61	02/08/2023	



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23010897

Client Project: KIN-23Q1

Report Date: 17-Feb-23

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

Batch 202527    SampType: MBLK    Units µg/L

SampID: MBLK-202527

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	02/07/2023
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	02/07/2023
Barium		1.0		< 1.0	0.7000	0	0	-100	100	02/07/2023
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100	02/07/2023
Boron		25.0		< 25.0	9.250	0	0	-100	100	02/07/2023
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100	02/07/2023
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	02/07/2023
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	02/07/2023
Copper		1.0		< 1.0	0.3500	0	0	-100	100	02/07/2023
Iron		25.0		< 25.0	11.50	0	0	-100	100	02/07/2023
Lead		1.0		< 1.0	0.6000	0	0	-100	100	02/07/2023
Lithium	*	3.0		< 3.0	1.450	0	0	-100	100	02/07/2023
Manganese		2.0		< 2.0	1.050	0	0	-100	100	02/07/2023
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	02/07/2023
Nickel		1.0		< 1.0	0.4300	0	0	-100	100	02/07/2023
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	02/07/2023
Silver		1.0		< 1.0	0.1110	0	0	-100	100	02/07/2023
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	02/07/2023
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	02/07/2023
Zinc		15.0		< 15.0	5.900	0	0	-100	100	02/08/2023





## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23010897

Client Project: KIN-23Q1

Report Date: 17-Feb-23

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

Batch 202527      SampType: LCS      Units µg/L

SampID: LCS-202527

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		478	500.0	0	95.7	80	120	02/07/2023
Arsenic		1.0		509	500.0	0	101.8	80	120	02/07/2023
Barium		1.0		2010	2000	0	100.4	80	120	02/07/2023
Beryllium		1.0		45.2	50.00	0	90.5	80	120	02/07/2023
Boron		25.0		457	500.0	0	91.4	80	120	02/07/2023
Cadmium		1.0		47.3	50.00	0	94.6	80	120	02/07/2023
Chromium		1.5		205	200.0	0	102.3	80	120	02/07/2023
Cobalt		1.0		496	500.0	0	99.2	80	120	02/07/2023
Copper		1.0		251	250.0	0	100.6	80	120	02/07/2023
Iron		25.0		1910	2000	0	95.4	80	120	02/07/2023
Lead		1.0		483	500.0	0	96.6	80	120	02/07/2023
Lithium	*	3.0		464	500.0	0	92.8	80	120	02/07/2023
Manganese		2.0		483	500.0	0	96.5	80	120	02/07/2023
Molybdenum		1.5		477	500.0	0	95.4	80	120	02/07/2023
Nickel		1.0		487	500.0	0	97.4	80	120	02/07/2023
Selenium		1.0		466	500.0	0	93.1	80	120	02/07/2023
Silver		1.0		50.6	50.00	0	101.1	80	120	02/07/2023
Thallium		2.0		232	250.0	0	92.9	80	120	02/07/2023
Vanadium		5.0		472	500.0	0	94.4	80	120	02/07/2023
Zinc		15.0		430	500.0	0	86.1	80	120	02/08/2023



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23010897

Client Project: KIN-23Q1

Report Date: 17-Feb-23

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

Batch 202527      SampType: MS      Units µg/L

SampleID: 23010897-023BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		<b>533</b>	500.0	0	106.6	75	125	02/07/2023
Arsenic		1.0		<b>548</b>	500.0	0	109.7	75	125	02/07/2023
Barium		1.0		<b>2280</b>	2000	55.01	111.2	75	125	02/07/2023
Beryllium		1.0		<b>50.8</b>	50.00	0	101.6	75	125	02/07/2023
Boron		25.0		<b>645</b>	500.0	125.3	103.9	75	125	02/07/2023
Cadmium		1.0		<b>52.7</b>	50.00	0	105.4	75	125	02/07/2023
Chromium		1.5		<b>217</b>	200.0	0	108.6	75	125	02/07/2023
Cobalt		1.0		<b>532</b>	500.0	0	106.4	75	125	02/07/2023
Copper		1.0		<b>262</b>	250.0	0.8790	104.6	75	125	02/07/2023
Iron		25.0		<b>2220</b>	2000	130.9	104.5	75	125	02/07/2023
Lead		1.0		<b>530</b>	500.0	0	106.1	75	125	02/07/2023
Manganese		2.0		<b>532</b>	500.0	7.106	105.0	75	125	02/07/2023
Nickel		1.0		<b>511</b>	500.0	0.5322	102.2	75	125	02/07/2023
Selenium		1.0		<b>499</b>	500.0	2.229	99.4	75	125	02/07/2023
Silver		1.0		<b>54.0</b>	50.00	0	107.9	75	125	02/07/2023
Thallium		2.0		<b>260</b>	250.0	0	104.0	75	125	02/07/2023
Vanadium		5.0		<b>518</b>	500.0	0	103.5	75	125	02/07/2023
Zinc		15.0		<b>470</b>	500.0	0	94.0	75	125	02/08/2023



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23010897

Client Project: KIN-23Q1

Report Date: 17-Feb-23

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

Batch 202527		SampType: MSD		Units µg/L				RPD Limit: 20			Date Analyzed
SampID: 23010897-023BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Antimony		1.0		527	500.0	0	105.4	533.0	1.16	02/07/2023	
Arsenic		1.0		548	500.0	0	109.6	548.3	0.09	02/07/2023	
Barium		1.0		2220	2000	55.01	108.0	2279	2.84	02/07/2023	
Beryllium		1.0		51.2	50.00	0	102.3	50.78	0.74	02/07/2023	
Boron		25.0		647	500.0	125.3	104.4	644.6	0.45	02/07/2023	
Cadmium		1.0		52.0	50.00	0	103.9	52.71	1.44	02/07/2023	
Chromium		1.5		219	200.0	0	109.3	217.1	0.69	02/07/2023	
Cobalt		1.0		535	500.0	0	107.0	531.8	0.59	02/07/2023	
Copper		1.0		257	250.0	0.8790	102.4	262.4	2.12	02/07/2023	
Iron		25.0		2180	2000	130.9	102.3	2222	2.03	02/07/2023	
Lead		1.0		537	500.0	0	107.5	530.3	1.31	02/07/2023	
Manganese		2.0		527	500.0	7.106	104.0	532.2	0.99	02/07/2023	
Nickel		1.0		504	500.0	0.5322	100.8	511.3	1.35	02/07/2023	
Selenium		1.0		494	500.0	2.229	98.3	499.3	1.15	02/07/2023	
Silver		1.0		53.6	50.00	0	107.2	53.97	0.66	02/07/2023	
Thallium		2.0		262	250.0	0	104.9	260.1	0.83	02/07/2023	
Vanadium		5.0		521	500.0	0	104.1	517.7	0.58	02/07/2023	
Zinc		15.0		465	500.0	0	92.9	469.9	1.12	02/08/2023	

### SW-846 7470A (TOTAL)

Batch 202570		SampType: MBLK		Units µg/L						Date Analyzed
SampID: MBLK-202570										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		< 0.20	0.0550	0	0	-100	100	02/03/2023

Batch 202570		SampType: LCS		Units µg/L						Date Analyzed
SampID: LCS-202570										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		5.30	5.000	0	105.9	85	115	02/03/2023

Batch 202570		SampType: MS		Units µg/L						Date Analyzed
SampID: 23010897-003BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		4.96	5.000	0	99.3	75	125	02/03/2023



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23010897

Client Project: KIN-23Q1

Report Date: 17-Feb-23

### SW-846 7470A (TOTAL)

Batch 202570		SampType: MSD		Units µg/L				RPD Limit: 15			
SampID: 23010897-003BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Mercury		0.20		4.97	5.000	0	99.4	4.963	0.17	02/03/2023	

Batch 202615		SampType: MBLK		Units µg/L							
SampID: MBLK-202615											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		< 0.20	0.0550	0	0	-100	100	02/07/2023	

Batch 202615		SampType: LCS		Units µg/L							
SampID: LCS-202615											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		4.98	5.000	0	99.6	85	115	02/07/2023	

Batch 202615		SampType: MS		Units µg/L							
SampID: 23010897-010BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		4.78	5.000	0	95.6	75	125	02/07/2023	

Batch 202615		SampType: MSD		Units µg/L				RPD Limit: 15			
SampID: 23010897-010BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Mercury		0.20		4.83	5.000	0	96.5	4.778	1.00	02/07/2023	

Batch 202640		SampType: MBLK		Units µg/L							
SampID: MBLK-202640											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		< 0.20	0.0550	0	0	-100	100	02/08/2023	

Batch 202640		SampType: LCS		Units µg/L							
SampID: LCS-202640											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		5.26	5.000	0	105.2	85	115	02/08/2023	

Batch 202640		SampType: MS		Units µg/L							
SampID: 23010897-018BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		5.16	5.000	0	103.2	75	125	02/08/2023	



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23010897

Client Project: KIN-23Q1

Report Date: 17-Feb-23

### SW-846 7470A (TOTAL)

Batch 202640		SampType: MSD		Units µg/L				RPD Limit: 15			
SampID: 23010897-018BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Mercury		0.20		<b>5.12</b>	5.000	0	102.4	5.160	0.74	02/08/2023	

Batch 202640		SampType: MS		Units µg/L							
SampID: 23010897-029BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		<b>5.27</b>	5.000	0	105.5	75	125	02/08/2023	

Batch 202640		SampType: MSD		Units µg/L				RPD Limit: 15			
SampID: 23010897-029BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Mercury		0.20		<b>5.16</b>	5.000	0	103.2	5.274	2.14	02/08/2023	



# Receiving Check List

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23010897

Client Project: KIN-23Q1

Report Date: 17-Feb-23

Carrier: Justin Colp

Received By: ANC

Completed by:

Reviewed by:

On:

On:

02-Feb-23

02-Feb-23

Lindsey Maddox

Marvin L. Darling

Pages to follow: Chain of custody

Extra pages included

- |   |   |   |                                      |                                  |
|---|---|---|--------------------------------------|----------------------------------|
| Shipping container/cooler in good condition?            | Yes <input checked="" type="checkbox"/>   | No <input type="checkbox"/>             | Not Present <input type="checkbox"/> | Temp °C <b>1.6</b>               |
| Type of thermal preservation?                           | None <input type="checkbox"/>             | Ice <input checked="" type="checkbox"/> | Blue Ice <input type="checkbox"/>    | Dry Ice <input type="checkbox"/> |
| Chain of custody present?                               | Yes <input checked="" type="checkbox"/>   | No <input type="checkbox"/>             |                                      |                                  |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/>   | No <input type="checkbox"/>             |                                      |                                  |
| Chain of custody agrees with sample labels?             | Yes <input checked="" type="checkbox"/>   | No <input type="checkbox"/>             |                                      |                                  |
| Samples in proper container/bottle?                     | Yes <input checked="" type="checkbox"/>   | No <input type="checkbox"/>             |                                      |                                  |
| Sample containers intact?                               | Yes <input checked="" type="checkbox"/>   | No <input type="checkbox"/>             |                                      |                                  |
| Sufficient sample volume for indicated test?            | Yes <input checked="" type="checkbox"/>   | No <input type="checkbox"/>             |                                      |                                  |
| All samples received within holding time?               | Yes <input checked="" type="checkbox"/>   | No <input type="checkbox"/>             |                                      |                                  |
| Reported field parameters measured:                     | Field <input checked="" type="checkbox"/> | Lab <input type="checkbox"/>            | NA <input type="checkbox"/>          |                                  |
| Container/Temp Blank temperature in compliance?         | Yes <input checked="" type="checkbox"/>   | No <input type="checkbox"/>             |                                      |                                  |

*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 <input type="checkbox"/> | No <input type="checkbox"/>            | No VOA vials <input checked="" type="checkbox"/>      |
| Water - TOX containers have zero headspace?               | Yes <input type="checkbox"/> | No <input type="checkbox"/>            | No TOX containers <input checked="" type="checkbox"/> |
| Water - pH acceptable upon receipt?                       | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | NA <input type="checkbox"/>                           |
| NPDES/CWA TCN interferences checked/treated in the field? | Yes <input type="checkbox"/> | No <input type="checkbox"/>            | NA <input checked="" type="checkbox"/>                |

**Any No responses must be detailed below or on the COC.**

pH strip #87147/83857. - BNB/lmaddox - 2/2/2023 9:29:00 AM

Additional nitric acid (86511) was needed in PZ-4C upon arrival at the laboratory.

Additional sodium hydroxide (81662) was needed in MW-1, MW-10, MW-11, MW-12, MW-2, MW-3, MW-5, MW-6, MW-7, PZ-4C and MW-8

Duplicate upon arrival at the laboratory. - BNB/lmaddox - 2/2/2023 9:30:15 AM

# CHAIN-OF-CUSTODY / Analytical Request Document

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

23010897

**Section A**  
Required Client Information:

**Section B**  
Required Project Information:

**Section C**  
Invoice Information:

Page: 1 of 2

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

REGULATORY AGENCY		
NPDES	GROUND WATER	DRINKING WATER
UST	RCRA	OTHER
Site Location	IL	
STATE:		

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test ↓	Requested Analysis Filtered (Y/N)		Residual Chlorine (Y/N)	Project No./ Lab I.D.	
							Unpreserved	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	Methanol		Other	KIN_257_141			KIN_620_141
1	MW-1		1/30/23	1225	3	1											23010897-001		
2	MW-10		2/1/23	1439	1	1											002		
3	MW-11		1/30/23	1253	1	1											003		
4	MW-12		2/1/23	1102	1	1											004		
5	MW-2		1/31/23	1017	3	1											005		
6	MW-20		1/31/23	1213	2	1											006		
7	MW-20S		1/31/23	1152	1	1											007		
8	MW-23		1/31/23	1057	1	1											008		
9	MW-27		2/1/23	1246	1	1											009		
10	MW-28		2/1/23	1123	1	1											010		
11	MW-3		1/31/23	1104	3	1											011		
12	MW-30		1/31/23	1440	2	1											012		
13	MW-31		1/31/23	1407	1	1											013		
14	MW-31S		1/31/23	1343	1	1											014		
15	MW-32		1/31/23	1253	1	1											015		
16	MW-4		1/31/23	1243	3	1											016		

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
<b>KIN-23Q1 Rev 0</b>	<i>J. Col</i>	2/1/23	1600	<i>J. Col</i>	2-2-23	800	

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:	<i>Spe Riley</i>				
SIGNATURE of SAMPLER:	<i>[Signature]</i>	DATE Signed (MM/DD/YY): <b>02/01/23</b>			

Temp: 1.6 UG: #5 BUS  
 pH 87147, 83857  
 \* add preservative NaOH

# CHAIN-OF-CUSTODY / Analytical Request Document

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

23010897

<b>Section A</b> Required Client Information:		<b>Section B</b> Required Project Information:		<b>Section C</b> Invoice Information:	
Company: <b>Vistra Corp</b>		Report To: <b>Brian Voelker</b>		Attention: <b>Jason Stuckey</b>	
Address: <b>13498 E. 900th St</b>		Copy To: <b>Jason Stuckey</b>		Company Name: <b>Vistra Corp</b>	
Email To: <b>Brian.Voelker@VistraCorp.com</b>		Purchase Order No.:		Address: <b>see Section A</b>	
Phone: <b>(217) 753-8911</b> Fax:		Project Name:		Quote Reference:	
Requested Due Date/TAT: <b>10 day</b>		Project Number: <b>2285</b>		Project Manager:	
				Profile #:	
				<b>REGULATORY AGENCY</b>	
				NPDES <b>GROUND WATER</b> <b>DRINKING WATER</b>	
				UST <b>RCRA</b> <b>OTHER</b>	
				Site Location	
				STATE: <b>IL</b>	

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	COLLECTED DATE TIME	SAMPLE TYPE (G=GRAB C=COMP)	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Requested Analysis Filtered (Y/N)		Residual Chlorine (Y/N)	Project No / Lab I.D.	
							Unpreserved	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	Methanol	Other	Analysis Test ↓			Y/N
1	MW-5		1/31/23 1324		3	1	1	1	1	1	1	1	1	1	1	1	23010897-017	
2	MW-6		2/1/23 1145		1	1	1	1	1	1	1	1	1	1	1	1	018	
3	MW-7		2/1/23 1229		1	1	1	1	1	1	1	1	1	1	1	1	019	
4	MW-7S		2/1/23 1204		2	1	1	1	1	1	1	1	1	1	1	1	020	
5	MW-8		2/1/23 1556		3	1	1	1	1	1	1	1	1	1	1	1	021	
6	MW-8S	INSUFFICIENT	2/1/23 WATER LEVEL		2	1	1	1	1	1	1	1	1	1	1	1	022	
7	MW-9		2/1/23 1421		3	1	1	1	1	1	1	1	1	1	1	1	023	
8	PZ-4C		1/31/23 1625		2	1	1	1	1	1	1	1	1	1	1	1	024	
9	SG-02		1/30/23		0												025	
10	XPW01		1/31/23 1505		2	1	1	1	1	1	1	1	1	1	1	1	026	
11	XPW02		2/1/23 1032		1	1	1	1	1	1	1	1	1	1	1	1	027	
12	XPW03		2/1/23 0947		1	1	1	1	1	1	1	1	1	1	1	1	028	
13	XPW04		2/1/23 7509		1	1	1	1	1	1	1	1	1	1	1	1	029	
14	XSG-01		1/30/23 1430		0												030	
15	MW-8 Duplicate		2/1/23 1300		3	1	1	1	1	1	1	1	1	1	1	1	031	
16	Field Blank		2/1/23 1601		3	1	1	1	1	1	1	1	1	1	1	1	032	

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
<b>KIN-23Q1 Rev 0</b>	<i>[Signature]</i>	2/2/23	1610	<i>[Signature]</i>	2-1-23	1600	
Dup and FB per history.	J. Col	2-2-23	800	Allison Colm	2/2/23	0800	
EAH 1/16/23							

Temp 1.6 UG# 5  
 pH 8.7147, 8.3857  
 \* add NaOH  
 11/11/22

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:	<i>Joe R. [Signature]</i>				
SIGNATURE OF SAMPLER:	<i>[Signature]</i>	DATE Signed (MM/DD/YY):	02/01/23		



February 22, 2023

Eric Bauer  
Ramboll  
234 W. Florida St.  
5th Floor  
Milwaukee, WI 53204  
TEL: (414) 837-3607  
FAX:



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

**RE: KIN-23Q1**

**WorkOrder: 23010898**

Dear Eric Bauer:

TEKLAB, INC received 30 samples on 2/2/2023 8:00:00 AM for the analysis presented in the following report.

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

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

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

Sincerely,



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



## Report Contents

<http://www.teklabinc.com/>

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**Client:** Ramboll

**Work Order:** 23010898

**Client Project:** KIN-23Q1

**Report Date:** 22-Feb-23

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**This reporting package includes the following:**

Cover Letter	1
Report Contents	2
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Laboratory Results	7
Sample Summary	36
Dates Report	37
Receiving Check List	39
Chain of Custody	Appended

Client: Ramboll

Work Order: 23010898

Client Project: KIN-23Q1

Report Date: 22-Feb-23

### Abbr Definition

\* Analytes on report marked with an asterisk are not NELAP accredited

CCV Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.

CRQL A Client Requested Quantitation Limit is a reporting limit that varies according to customer request. The CRQL may not be less than the MDL.

DF Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilution factors.

DNI Did not ignite

DUP Laboratory duplicate is a replicate aliquot prepared under the same laboratory conditions and independently analyzed to obtain a measure of precision.

ICV Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.

IDPH IL Dept. of Public Health

LCS Laboratory control sample is a sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes and analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system.

LCSD Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).

MBLK Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.

MDL "The method detection limit is defined as the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results."

MS Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).

MSD Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).

MW Molecular weight

NC Data is not acceptable for compliance purposes

ND Not Detected at the Reporting Limit

NELAP NELAP Accredited

PQL Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions.

RL The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.

RPD Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).

SPK The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.

Surr Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.

TIC Tentatively identified compound: Analytes tentatively identified in the sample by using a library search. Only results not in the calibration standard will be reported as tentatively identified compounds. Results for tentatively identified compounds that are not present in the calibration standard, but are assigned a specific chemical name based upon the library search, are calculated using total peak areas from reconstructed ion chromatograms and a response factor of one. The nearest Internal Standard is used for the calculation. The results of any TICs must be considered estimated, and are flagged with a "T". If the estimated result is above the calibration range it is flagged "ET"

TNTC Too numerous to count (> 200 CFU)

**Client:** Ramboll

**Work Order:** 23010898

**Client Project:** KIN-23Q1

**Report Date:** 22-Feb-23

### Qualifiers

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

**Client:** Ramboll  
**Client Project:** KIN-23Q1

**Work Order:** 23010898  
**Report Date:** 22-Feb-23

**Cooler Receipt Temp:** 1.6 °C

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

MW-8S could not be collected due to insufficient water level.

Radium-226 and Radium-228 analysis was performed by Pace Analytical Services, LLC. See attached report for results.

**Locations**

**Collinsville**

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

**Collinsville Air**

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

**Springfield**

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

**Chicago**

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

**Kansas City**

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



## Accreditations

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23010898

Client Project: KIN-23Q1

Report Date: 22-Feb-23

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



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q1  
Lab ID: 23010898-001  
Matrix: GROUNDWATER

Work Order: 23010898  
Report Date: 22-Feb-23  
Client Sample ID: MW-1  
Collection Date: 01/30/2023 12:25

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA 903.0/904.0, RADIUM 226/228</b>								
Radium-226	*	0		See Attached	pci/L	1	02/10/2023 0:00	R325102
Radium-228	*	0		See Attached	pci/L	1	02/10/2023 0:00	R325102



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23010898

Client Project: KIN-23Q1

Report Date: 22-Feb-23

Lab ID: 23010898-002

Client Sample ID: MW-10

Matrix: GROUNDWATER

Collection Date: 02/01/2023 14:39

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA 903.0/904.0, RADIUM 226/228</b>								
Radium-226	*	0		See Attached	pci/L	1	02/10/2023 0:00	R325102
Radium-228	*	0		See Attached	pci/L	1	02/10/2023 0:00	R325102





# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23010898

Client Project: KIN-23Q1

Report Date: 22-Feb-23

Lab ID: 23010898-003

Client Sample ID: MW-11

Matrix: GROUNDWATER

Collection Date: 01/30/2023 12:53

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA 903.0/904.0, RADIUM 226/228</b>								
Radium-226	*	0		See Attached	pci/L	1	02/10/2023 0:00	R325102
Radium-228	*	0		See Attached	pci/L	1	02/10/2023 0:00	R325102



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q1  
Lab ID: 23010898-004  
Matrix: GROUNDWATER

Work Order: 23010898  
Report Date: 22-Feb-23  
Client Sample ID: MW-12  
Collection Date: 02/01/2023 11:03

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA 903.0/904.0, RADIUM 226/228</b>								
Radium-226	*	0		See Attached	pci/L	1	02/10/2023 0:00	R325102
Radium-228	*	0		See Attached	pci/L	1	02/10/2023 0:00	R325102



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q1  
Lab ID: 23010898-005  
Matrix: GROUNDWATER

Work Order: 23010898  
Report Date: 22-Feb-23  
Client Sample ID: MW-2  
Collection Date: 01/31/2023 10:17

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA 903.0/904.0, RADIUM 226/228</b>								
Radium-226	*	0		See Attached	pci/L	1	02/10/2023 0:00	R325102
Radium-228	*	0		See Attached	pci/L	1	02/10/2023 0:00	R325102



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q1  
Lab ID: 23010898-006  
Matrix: GROUNDWATER

Work Order: 23010898  
Report Date: 22-Feb-23  
Client Sample ID: MW-20  
Collection Date: 01/31/2023 12:13

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA 903.0/904.0, RADIUM 226/228</b>								
Radium-226	*	0		See Attached	pci/L	1	02/10/2023 0:00	R325102
Radium-228	*	0		See Attached	pci/L	1	02/10/2023 0:00	R325102



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23010898

Client Project: KIN-23Q1

Report Date: 22-Feb-23

Lab ID: 23010898-007

Client Sample ID: MW-20S

Matrix: GROUNDWATER

Collection Date: 01/31/2023 11:52

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA 903.0/904.0, RADIUM 226/228</b>								
Radium-226	*	0		See Attached	pci/L	1	02/10/2023 0:00	R325102
Radium-228	*	0		See Attached	pci/L	1	02/10/2023 0:00	R325102



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23010898

Client Project: KIN-23Q1

Report Date: 22-Feb-23

Lab ID: 23010898-008

Client Sample ID: MW-23

Matrix: GROUNDWATER

Collection Date: 01/31/2023 10:37

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA 903.0/904.0, RADIUM 226/228</b>								
Radium-226	*	0		See Attached	pci/L	1	02/10/2023 0:00	R325102
Radium-228	*	0		See Attached	pci/L	1	02/10/2023 0:00	R325102



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23010898

Client Project: KIN-23Q1

Report Date: 22-Feb-23

Lab ID: 23010898-009

Client Sample ID: MW-27

Matrix: GROUNDWATER

Collection Date: 02/01/2023 12:46

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA 903.0/904.0, RADIUM 226/228</b>								
Radium-226	*	0		See Attached	pci/L	1	02/10/2023 0:00	R325102
Radium-228	*	0		See Attached	pci/L	1	02/10/2023 0:00	R325102



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q1  
Lab ID: 23010898-010  
Matrix: GROUNDWATER

Work Order: 23010898  
Report Date: 22-Feb-23  
Client Sample ID: MW-28  
Collection Date: 02/01/2023 11:23

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA 903.0/904.0, RADIUM 226/228</b>								
Radium-226	*	0		See Attached	pci/L	1	02/10/2023 0:00	R325102
Radium-228	*	0		See Attached	pci/L	1	02/10/2023 0:00	R325102





# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q1  
Lab ID: 23010898-011  
Matrix: GROUNDWATER

Work Order: 23010898  
Report Date: 22-Feb-23  
Client Sample ID: MW-3  
Collection Date: 01/31/2023 11:04

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA 903.0/904.0, RADIUM 226/228</b>								
Radium-226	*	0		See Attached	pci/L	1	02/10/2023 0:00	R325102
Radium-228	*	0		See Attached	pci/L	1	02/10/2023 0:00	R325102



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q1  
Lab ID: 23010898-012  
Matrix: GROUNDWATER

Work Order: 23010898  
Report Date: 22-Feb-23  
Client Sample ID: MW-30  
Collection Date: 01/31/2023 14:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA 903.0/904.0, RADIUM 226/228</b>								
Radium-226	*	0		See Attached	pci/L	1	02/10/2023 0:00	R325102
Radium-228	*	0		See Attached	pci/L	1	02/10/2023 0:00	R325102



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q1  
Lab ID: 23010898-013  
Matrix: GROUNDWATER

Work Order: 23010898  
Report Date: 22-Feb-23  
Client Sample ID: MW-31  
Collection Date: 01/31/2023 14:07

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA 903.0/904.0, RADIUM 226/228</b>								
Radium-226	*	0		See Attached	pci/L	1	02/10/2023 0:00	R325102
Radium-228	*	0		See Attached	pci/L	1	02/10/2023 0:00	R325102



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23010898

Client Project: KIN-23Q1

Report Date: 22-Feb-23

Lab ID: 23010898-014

Client Sample ID: MW-31S

Matrix: GROUNDWATER

Collection Date: 01/31/2023 13:43

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA 903.0/904.0, RADIUM 226/228</b>								
Radium-226	*	0		See Attached	pci/L	1	02/10/2023 0:00	R325102
Radium-228	*	0		See Attached	pci/L	1	02/10/2023 0:00	R325102



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q1  
Lab ID: 23010898-015  
Matrix: GROUNDWATER

Work Order: 23010898  
Report Date: 22-Feb-23  
Client Sample ID: MW-32  
Collection Date: 01/31/2023 12:58

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA 903.0/904.0, RADIUM 226/228</b>								
Radium-226	*	0		See Attached	pci/L	1	02/10/2023 0:00	R325102
Radium-228	*	0		See Attached	pci/L	1	02/10/2023 0:00	R325102



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q1  
Lab ID: 23010898-016  
Matrix: GROUNDWATER

Work Order: 23010898  
Report Date: 22-Feb-23  
Client Sample ID: MW-4  
Collection Date: 01/31/2023 12:43

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA 903.0/904.0, RADIUM 226/228</b>								
Radium-226	*	0		See Attached	pci/L	1	02/10/2023 0:00	R325102
Radium-228	*	0		See Attached	pci/L	1	02/10/2023 0:00	R325102



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q1  
Lab ID: 23010898-017  
Matrix: GROUNDWATER

Work Order: 23010898  
Report Date: 22-Feb-23  
Client Sample ID: MW-5  
Collection Date: 01/31/2023 13:24

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA 903.0/904.0, RADIUM 226/228</b>								
Radium-226	*	0		See Attached	pci/L	1	02/10/2023 0:00	R325102
Radium-228	*	0		See Attached	pci/L	1	02/10/2023 0:00	R325102



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23010898

Client Project: KIN-23Q1

Report Date: 22-Feb-23

Lab ID: 23010898-018

Client Sample ID: MW-6

Matrix: GROUNDWATER

Collection Date: 02/01/2023 11:45

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA 903.0/904.0, RADIUM 226/228</b>								
Radium-226	*	0		See Attached	pci/L	1	02/10/2023 0:00	R325102
Radium-228	*	0		See Attached	pci/L	1	02/10/2023 0:00	R325102





# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q1  
Lab ID: 23010898-019  
Matrix: GROUNDWATER

Work Order: 23010898  
Report Date: 22-Feb-23  
Client Sample ID: MW-7  
Collection Date: 02/01/2023 12:29

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA 903.0/904.0, RADIUM 226/228</b>								
Radium-226	*	0		See Attached	pci/L	1	02/10/2023 0:00	R325102
Radium-228	*	0		See Attached	pci/L	1	02/10/2023 0:00	R325102



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q1  
Lab ID: 23010898-020  
Matrix: GROUNDWATER

Work Order: 23010898  
Report Date: 22-Feb-23  
Client Sample ID: MW-7S  
Collection Date: 02/01/2023 12:04

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA 903.0/904.0, RADIUM 226/228</b>								
Radium-226	*	0		See Attached	pci/L	1	02/10/2023 0:00	R325102
Radium-228	*	0		See Attached	pci/L	1	02/10/2023 0:00	R325102



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q1  
Lab ID: 23010898-021  
Matrix: GROUNDWATER

Work Order: 23010898  
Report Date: 22-Feb-23  
Client Sample ID: MW-8  
Collection Date: 02/01/2023 13:56

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA 903.0/904.0, RADIUM 226/228</b>								
Radium-226	*	0		See Attached	pci/L	1	02/10/2023 0:00	R325102
Radium-228	*	0		See Attached	pci/L	1	02/10/2023 0:00	R325102



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q1  
Lab ID: 23010898-023  
Matrix: GROUNDWATER

Work Order: 23010898  
Report Date: 22-Feb-23  
Client Sample ID: MW-9  
Collection Date: 02/01/2023 14:21

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA 903.0/904.0, RADIUM 226/228</b>								
Radium-226	*	0		See Attached	pci/L	1	02/10/2023 0:00	R325102
Radium-228	*	0		See Attached	pci/L	1	02/10/2023 0:00	R325102



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23010898

Client Project: KIN-23Q1

Report Date: 22-Feb-23

Lab ID: 23010898-024

Client Sample ID: PZ-4C

Matrix: GROUNDWATER

Collection Date: 01/31/2023 11:25

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA 903.0/904.0, RADIUM 226/228</b>								
Radium-226	*	0		See Attached	pci/L	1	02/10/2023 0:00	R325102
Radium-228	*	0		See Attached	pci/L	1	02/10/2023 0:00	R325102



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q1  
Lab ID: 23010898-025  
Matrix: GROUNDWATER

Work Order: 23010898  
Report Date: 22-Feb-23  
Client Sample ID: XPW01  
Collection Date: 01/31/2023 15:05

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA 903.0/904.0, RADIUM 226/228</b>								
Radium-226	*	0		See Attached	pci/L	1	02/10/2023 0:00	R325102
Radium-228	*	0		See Attached	pci/L	1	02/10/2023 0:00	R325102



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q1  
Lab ID: 23010898-026  
Matrix: GROUNDWATER

Work Order: 23010898  
Report Date: 22-Feb-23  
Client Sample ID: XPW02  
Collection Date: 02/01/2023 10:32

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA 903.0/904.0, RADIUM 226/228</b>								
Radium-226	*	0		See Attached	pci/L	1	02/10/2023 0:00	R325102
Radium-228	*	0		See Attached	pci/L	1	02/10/2023 0:00	R325102



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q1  
Lab ID: 23010898-027  
Matrix: GROUNDWATER

Work Order: 23010898  
Report Date: 22-Feb-23  
Client Sample ID: XPW03  
Collection Date: 02/01/2023 9:47

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA 903.0/904.0, RADIUM 226/228</b>								
Radium-226	*	0		See Attached	pci/L	1	02/10/2023 0:00	R325102
Radium-228	*	0		See Attached	pci/L	1	02/10/2023 0:00	R325102





# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23010898

Client Project: KIN-23Q1

Report Date: 22-Feb-23

Lab ID: 23010898-028

Client Sample ID: XPW04

Matrix: GROUNDWATER

Collection Date: 02/01/2023 15:09

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA 903.0/904.0, RADIUM 226/228</b>								
Radium-226	*	0		See Attached	pci/L	1	02/10/2023 0:00	R325102
Radium-228	*	0		See Attached	pci/L	1	02/10/2023 0:00	R325102



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q1  
Lab ID: 23010898-029  
Matrix: GROUNDWATER

Work Order: 23010898  
Report Date: 22-Feb-23  
Client Sample ID: MW-8 Duplicate  
Collection Date: 02/01/2023 13:56

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA 903.0/904.0, RADIUM 226/228</b>								
Radium-226	*	0		See Attached	pci/L	1	02/10/2023 0:00	R325102
Radium-228	*	0		See Attached	pci/L	1	02/10/2023 0:00	R325102



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23010898

Client Project: KIN-23Q1

Report Date: 22-Feb-23

Lab ID: 23010898-030

Client Sample ID: Field Blank

Matrix: GROUNDWATER

Collection Date: 02/01/2023 16:01

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA 903.0/904.0, RADIUM 226/228</b>								
Radium-226	*	0		See Attached	pci/L	1	02/10/2023 0:00	R325102
Radium-228	*	0		See Attached	pci/L	1	02/10/2023 0:00	R325102



## Sample Summary

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23010898

Client Project: KIN-23Q1

Report Date: 22-Feb-23

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
23010898-001	MW-1	Groundwater	1	01/30/2023 12:25
23010898-002	MW-10	Groundwater	1	02/01/2023 14:39
23010898-003	MW-11	Groundwater	1	01/30/2023 12:53
23010898-004	MW-12	Groundwater	1	02/01/2023 11:03
23010898-005	MW-2	Groundwater	1	01/31/2023 10:17
23010898-006	MW-20	Groundwater	1	01/31/2023 12:13
23010898-007	MW-20S	Groundwater	1	01/31/2023 11:52
23010898-008	MW-23	Groundwater	1	01/31/2023 10:37
23010898-009	MW-27	Groundwater	1	02/01/2023 12:46
23010898-010	MW-28	Groundwater	1	02/01/2023 11:23
23010898-011	MW-3	Groundwater	1	01/31/2023 11:04
23010898-012	MW-30	Groundwater	1	01/31/2023 14:40
23010898-013	MW-31	Groundwater	1	01/31/2023 14:07
23010898-014	MW-31S	Groundwater	1	01/31/2023 13:43
23010898-015	MW-32	Groundwater	1	01/31/2023 12:58
23010898-016	MW-4	Groundwater	1	01/31/2023 12:43
23010898-017	MW-5	Groundwater	1	01/31/2023 13:24
23010898-018	MW-6	Groundwater	1	02/01/2023 11:45
23010898-019	MW-7	Groundwater	1	02/01/2023 12:29
23010898-020	MW-7S	Groundwater	1	02/01/2023 12:04
23010898-021	MW-8	Groundwater	1	02/01/2023 13:56
23010898-022	MW-8S	Groundwater	1	
23010898-023	MW-9	Groundwater	1	02/01/2023 14:21
23010898-024	PZ-4C	Groundwater	1	01/31/2023 11:25
23010898-025	XPW01	Groundwater	1	01/31/2023 15:05
23010898-026	XPW02	Groundwater	1	02/01/2023 10:32
23010898-027	XPW03	Groundwater	1	02/01/2023 9:47
23010898-028	XPW04	Groundwater	1	02/01/2023 15:09
23010898-029	MW-8 Duplicate	Groundwater	1	02/01/2023 13:56
23010898-030	Field Blank	Groundwater	1	02/01/2023 16:01



## Dates Report

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23010898

Client Project: KIN-23Q1

Report Date: 22-Feb-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
Test Name					
23010898-001A	MW-1	01/30/2023 12:25	02/02/2023 8:00		
EPA 903.0/904.0, Radium 226/228					02/10/2023 0:00
23010898-002A	MW-10	02/01/2023 14:39	02/02/2023 8:00		
EPA 903.0/904.0, Radium 226/228					02/10/2023 0:00
23010898-003A	MW-11	01/30/2023 12:53	02/02/2023 8:00		
EPA 903.0/904.0, Radium 226/228					02/10/2023 0:00
23010898-004A	MW-12	02/01/2023 11:03	02/02/2023 8:00		
EPA 903.0/904.0, Radium 226/228					02/10/2023 0:00
23010898-005A	MW-2	01/31/2023 10:17	02/02/2023 8:00		
EPA 903.0/904.0, Radium 226/228					02/10/2023 0:00
23010898-006A	MW-20	01/31/2023 12:13	02/02/2023 8:00		
EPA 903.0/904.0, Radium 226/228					02/10/2023 0:00
23010898-007A	MW-20S	01/31/2023 11:52	02/02/2023 8:00		
EPA 903.0/904.0, Radium 226/228					02/10/2023 0:00
23010898-008A	MW-23	01/31/2023 10:37	02/02/2023 8:00		
EPA 903.0/904.0, Radium 226/228					02/10/2023 0:00
23010898-009A	MW-27	02/01/2023 12:46	02/02/2023 8:00		
EPA 903.0/904.0, Radium 226/228					02/10/2023 0:00
23010898-010A	MW-28	02/01/2023 11:23	02/02/2023 8:00		
EPA 903.0/904.0, Radium 226/228					02/10/2023 0:00
23010898-011A	MW-3	01/31/2023 11:04	02/02/2023 8:00		
EPA 903.0/904.0, Radium 226/228					02/10/2023 0:00
23010898-012A	MW-30	01/31/2023 14:40	02/02/2023 8:00		
EPA 903.0/904.0, Radium 226/228					02/10/2023 0:00
23010898-013A	MW-31	01/31/2023 14:07	02/02/2023 8:00		
EPA 903.0/904.0, Radium 226/228					02/10/2023 0:00
23010898-014A	MW-31S	01/31/2023 13:43	02/02/2023 8:00		
EPA 903.0/904.0, Radium 226/228					02/10/2023 0:00
23010898-015A	MW-32	01/31/2023 12:58	02/02/2023 8:00		
EPA 903.0/904.0, Radium 226/228					02/10/2023 0:00
23010898-016A	MW-4	01/31/2023 12:43	02/02/2023 8:00		
EPA 903.0/904.0, Radium 226/228					02/10/2023 0:00
23010898-017A	MW-5	01/31/2023 13:24	02/02/2023 8:00		
EPA 903.0/904.0, Radium 226/228					02/10/2023 0:00
23010898-018A	MW-6	02/01/2023 11:45	02/02/2023 8:00		



## Dates Report

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23010898

Client Project: KIN-23Q1

Report Date: 22-Feb-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
Test Name					
	EPA 903.0/904.0, Radium 226/228				02/10/2023 0:00
23010898-019A	MW-7	02/01/2023 12:29	02/02/2023 8:00		
	EPA 903.0/904.0, Radium 226/228				02/10/2023 0:00
23010898-020A	MW-7S	02/01/2023 12:04	02/02/2023 8:00		
	EPA 903.0/904.0, Radium 226/228				02/10/2023 0:00
23010898-021A	MW-8	02/01/2023 13:56	02/02/2023 8:00		
	EPA 903.0/904.0, Radium 226/228				02/10/2023 0:00
23010898-023A	MW-9	02/01/2023 14:21	02/02/2023 8:00		
	EPA 903.0/904.0, Radium 226/228				02/10/2023 0:00
23010898-024A	PZ-4C	01/31/2023 11:25	02/02/2023 8:00		
	EPA 903.0/904.0, Radium 226/228				02/10/2023 0:00
23010898-025A	XPW01	01/31/2023 15:05	02/02/2023 8:00		
	EPA 903.0/904.0, Radium 226/228				02/10/2023 0:00
23010898-026A	XPW02	02/01/2023 10:32	02/02/2023 8:00		
	EPA 903.0/904.0, Radium 226/228				02/10/2023 0:00
23010898-027A	XPW03	02/01/2023 9:47	02/02/2023 8:00		
	EPA 903.0/904.0, Radium 226/228				02/10/2023 0:00
23010898-028A	XPW04	02/01/2023 15:09	02/02/2023 8:00		
	EPA 903.0/904.0, Radium 226/228				02/10/2023 0:00
23010898-029A	MW-8 Duplicate	02/01/2023 13:56	02/02/2023 8:00		
	EPA 903.0/904.0, Radium 226/228				02/10/2023 0:00
23010898-030A	Field Blank	02/01/2023 16:01	02/02/2023 8:00		
	EPA 903.0/904.0, Radium 226/228				02/10/2023 0:00



# Receiving Check List

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23010898

Client Project: KIN-23Q1

Report Date: 22-Feb-23

Carrier: Justin Colp

Received By: ANC

Completed by:

Reviewed by:

On:

On:

02-Feb-23

02-Feb-23

Lindsey Maddox

Marvin L. Darling

Pages to follow: Chain of custody

Extra pages included

- |   |   |   |  |                                  |
|---|---|---|--|----------------------------------|
| Shipping container/cooler in good condition?            | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>             | Not Present <input type="checkbox"/>   | Temp °C <b>1.6</b>               |
| Type of thermal preservation?                           | None <input type="checkbox"/>           | Ice <input checked="" type="checkbox"/> | Blue Ice <input type="checkbox"/>      | Dry Ice <input type="checkbox"/> |
| Chain of custody present?                               | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>             |  |                                  |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>             |  |                                  |
| Chain of custody agrees with sample labels?             | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>             |  |                                  |
| Samples in proper container/bottle?                     | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>             |  |                                  |
| Sample containers intact?                               | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>             |  |                                  |
| Sufficient sample volume for indicated test?            | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>             |  |                                  |
| All samples received within holding time?               | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>             |  |                                  |
| Reported field parameters measured:                     | Field <input type="checkbox"/>          | Lab <input type="checkbox"/>            | NA <input checked="" type="checkbox"/> |                                  |
| Container/Temp Blank temperature in compliance?         | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>             |  |                                  |

*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 <input type="checkbox"/> | No <input type="checkbox"/>            | No VOA vials <input checked="" type="checkbox"/>      |
| Water - TOX containers have zero headspace?               | Yes <input type="checkbox"/> | No <input type="checkbox"/>            | No TOX containers <input checked="" type="checkbox"/> |
| Water - pH acceptable upon receipt?                       | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | NA <input type="checkbox"/>                           |
| NPDES/CWA TCN interferences checked/treated in the field? | Yes <input type="checkbox"/> | No <input type="checkbox"/>            | NA <input checked="" type="checkbox"/>                |

**Any No responses must be detailed below or on the COC.**

pH strip #87147. - TSM/lmaddox - 2/2/2023 9:41:36 AM

Additional nitric acid (86511) was needed MW-1 MW-12, MW-2, MW-23, MW-27, MW-28, MW-3, MW-30, MW-31, MW-31S, MW-32, MW-4, MW-5, MW-6, MW-7, MW-7S, MW--8, PZ-4C, XPW02, XPW03, XPW04, and MW-8 Duplicate upon arrival at the laboratory. - TSM/lmaddox - 2/2/2023 9:41:53 AM

# CHAIN-OF-CUSTODY / Analytical Request Document

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

23010898

<b>Section A</b> Required Client Information:		<b>Section B</b> Required Project Information:		<b>Section C</b> Invoice Information:		<b>REGULATORY AGENCY</b>		
Company: <b>Vistra Corp</b>		Report To: <b>Brian Voelker</b>		Attention: <b>Jason Stuckey</b>		NPDES      GROUND WATER      DRINKING WATER UST          RCRA                  OTHER		
Address: <b>13498 E. 900th St</b>		Copy To: <b>Jason Stuckey</b>		Company Name: <b>Vistra Corp</b>				
Email To: <b>Brian.Voelker@VistraCorp.com</b>		Purchase Order No.:		Address: <b>see Section A</b>		Site Location: <b>IL</b> STATE:		
Phone: <b>(217) 753-8911</b> Fax:		Project Name:		Quote Reference:				
Requested Due Date/TAT: <b>10 day</b>		Project Number: <b>2285</b>		Project Manager:				
				Profile #:				

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX      CODE	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test ↓	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Project No. / Lab I.D.
							Unpreserved	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	Methanol				
1	* 1 of 2      MW-1		1/30/23	1205		2		2								23010898-001	
2			2/1/23	1439												002	
3			1/30/23	1253												003	
4	* 2/2      MW-12		2/1/23	103												004	
5	* 2/2      MW-2		1/31/23	1017												005	
6			1/31/23	1213												006	
7			1/31/23	152												007	
8	* 1/2      MW-23		1/31/23	1037												008	
9	* 1/2      MW-27		2/1/23	1246												009	
10	* 2/2      MW-28		2/1/23	1123												010	
11	* 2/2      MW-3		1/31/23	104												011	
12	* 2/2      MW-30		1/31/23	1440												012	
13	* 2/2      MW-31		1/31/23	1403												013	
14	* 2/2      MW-31S		1/31/23	1343												014	
15	* 2/2      MW-32		1/31/23	1258												015	
16	* 1/2      MW-4		1/31/23	1243												016	

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS		
<b>KIN-23Q1 Rev 0</b>	<i>[Signature]</i>	2/1/23	1610	<i>[Signature]</i> Corp	2-23	1610			
<i>Re 2/26/23, only 2411</i>	<i>[Signature]</i>	2-2-23	800	<i>[Signature]</i> Corp	2/2/23	0800			

<b>SAMPLER NAME AND SIGNATURE</b>		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: <b>JOE RILEY</b>	DATE Signed (MM/DD/YY): <b>02/01/23</b>				
SIGNATURE of SAMPLER: <i>[Signature]</i>					

*Temp: 16 CG: #5 BWS*

*\* HNO<sub>3</sub> added - TSM (80511) 2/2*

Relinquished times and sampler signature date per WO# 23010897. EAH 2/22/23



# CHAIN-OF-CUSTODY / Analytical Request Document

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

23010898

Page: **2** of **2**

<b>Section A</b> Required Client Information:		<b>Section B</b> Required Project Information:		<b>Section C</b> Invoice Information:		<b>REGULATORY AGENCY</b>		
Company: <b>Vistra Corp</b>		Report To: <b>Brian Voelker</b>		Attention: <b>Jason Stuckey</b>		NPDES    GROUND WATER    DRINKING WATER		
Address: <b>13498 E. 900th St</b>		Copy To: <b>Jason Stuckey</b>		Company Name: <b>Vistra Corp</b>				
Email To: <b>Brian.Voelker@VistraCorp.com</b>		Purchase Order No.:		Address: <b>see Section A</b>		UST    RCRA    OTHER		
Phone: <b>(217) 753-8911</b> Fax:		Project Name:		Quote Reference:		Site Location STATE: <b>IL</b>		
Requested Due Date/TAT: <b>10 day</b>		Project Number: <b>2285</b>		Project Manager:				
				Profile #:				

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX    CODE	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Requested Analysis Filtered (Y/N)		Residual Chlorine (Y/N)	Project No./ Lab I.D.	
			DATE	TIME			Unpreserved	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	Methanol	Other	Analysis Test ↓			Y/N
1	* 1/2 MW-5		1/23/23	1324		2		2									23010898-017	
2	* 1/2 MW-6		2/1/23	1145													018	
3	* 2/2 MW-7		2/1/23	229													019	
4	* 2/2 MW-7S		2/1/23	1204													020	
5	* 1/2 MW-8		2/1/23	1356													021	
6	MW-8S		INSUFFICIENT WATER LEVEL														022	
7	MW-9		2/1/23	1421													023	
8	* 2/2 PZ-4C		1/30/23	1128		✓		✓									024	
9	SG-02		1/30/23	NA														
10	--XPW01		1/31/23	1505		2		2				✓	✓				025	
11	* 1/2 XPW02		2/1/23	1032		1											026	
12	* 2/2 XPW03		2/1/23	0947													027	
13	* 2/2 XPW04		2/1/23	1509		✓		✓				✓	✓				028	
14	XSG-01		1/30/23	1430														
15	* 2/2 MW-8 Duplicate		2/1/23	1356		2		2				✓	✓				029	
16	Field Blank		2/1/23	1601		2		2				✓	✓				030	

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS				
<b>KIN-23Q1 Rev 0</b> Dup and FB per history. EAH 1/16/23	<i>[Signature]</i>	2/1/23	1610	J. Cap	2-1-23	1610	Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)	
		<i>[Signature]</i>	2-7-23	0800	Alvin Coln	2/2/23					0800
<b>SAMPLER NAME AND SIGNATURE</b>											
PRINT Name of SAMPLER: <i>Joe Riley</i>											
SIGNATURE of SAMPLER: <i>[Signature]</i>							DATE Signed (MM/DD/YY):	02/01/23			

**TEKLAB, Inc.**

Sample Delivery Group: L1582632  
Samples Received: 02/06/2023  
Project Number: 23010898  
Description:

Report To: Elizabeth Hurley  
5445 Horseshoe Lake Road  
Collinsville, IL 62234

Entire Report Reviewed By:



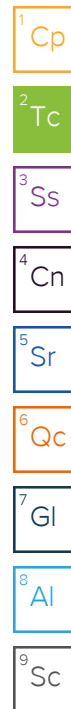
Mark W. Beasley  
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

**Pace Analytical National**12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 [www.pacenational.com](http://www.pacenational.com)

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# SAMPLE SUMMARY

## 23010898-001 L1582632-01 Non-Potable Water

Collected by  
Collected date/time  
Received date/time

01/30/23 12:25    02/06/23 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2001893	1	02/08/23 18:17	02/14/23 09:59	SWM	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2001728	1	02/08/23 10:16	02/14/23 09:59	RGT	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2001728	1	02/08/23 10:16	02/10/23 17:19	RGT	Mt. Juliet, TN

1  
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Cn

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Sr

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Qc

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Gl

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Al

9  
Sc

## 23010898-002 L1582632-02 Non-Potable Water

Collected by  
Collected date/time  
Received date/time

02/01/23 14:39    02/06/23 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2001893	1	02/08/23 18:17	02/14/23 09:59	SWM	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2001728	1	02/08/23 10:16	02/14/23 09:59	RGT	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2001728	1	02/08/23 10:16	02/10/23 17:19	RGT	Mt. Juliet, TN

## 23010898-003 L1582632-03 Non-Potable Water

Collected by  
Collected date/time  
Received date/time

01/30/23 12:53    02/06/23 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2001893	1	02/08/23 18:17	02/14/23 09:59	SWM	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2001728	1	02/08/23 10:16	02/14/23 09:59	RGT	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2001728	1	02/08/23 10:16	02/10/23 17:19	RGT	Mt. Juliet, TN

## 23010898-004 L1582632-04 Non-Potable Water

Collected by  
Collected date/time  
Received date/time

02/01/23 11:03    02/06/23 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2001893	1	02/08/23 18:17	02/14/23 09:59	SWM	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2001728	1	02/08/23 10:16	02/14/23 09:59	RGT	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2001728	1	02/08/23 10:16	02/10/23 17:19	RGT	Mt. Juliet, TN

## 23010898-005 L1582632-05 Non-Potable Water

Collected by  
Collected date/time  
Received date/time

01/31/23 10:17    02/06/23 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2001893	1	02/08/23 18:17	02/14/23 09:59	SWM	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2001728	1	02/08/23 10:16	02/14/23 09:59	RGT	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2001728	1	02/08/23 10:16	02/10/23 17:19	RGT	Mt. Juliet, TN

## 23010898-006 L1582632-06 Non-Potable Water

Collected by  
Collected date/time  
Received date/time

01/31/23 12:13    02/06/23 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2001893	1	02/08/23 18:17	02/14/23 09:59	SWM	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2001728	1	02/08/23 10:16	02/14/23 09:59	RGT	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2001728	1	02/08/23 10:16	02/10/23 17:19	RGT	Mt. Juliet, TN

# SAMPLE SUMMARY

## 23010898-007 L1582632-07 Non-Potable Water

Collected by  
Collected date/time  
Received date/time

01/31/23 11:52      02/06/23 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2001893	1	02/08/23 18:17	02/14/23 09:59	SWM	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2001728	1	02/08/23 10:16	02/14/23 09:59	RGT	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2001728	1	02/08/23 10:16	02/10/23 17:19	RGT	Mt. Juliet, TN

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

## 23010898-008 L1582632-08 Non-Potable Water

Collected by  
Collected date/time  
Received date/time

01/31/23 10:37      02/06/23 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2001893	1	02/08/23 18:17	02/14/23 09:59	SWM	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2001728	1	02/08/23 10:16	02/14/23 09:59	RGT	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2001728	1	02/08/23 10:16	02/10/23 17:19	RGT	Mt. Juliet, TN

## 23010898-009 L1582632-09 Non-Potable Water

Collected by  
Collected date/time  
Received date/time

02/01/23 12:46      02/06/23 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2001893	1	02/08/23 18:17	02/14/23 09:59	SWM	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2001728	1	02/08/23 10:16	02/14/23 09:59	RGT	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2001728	1	02/08/23 10:16	02/10/23 17:19	RGT	Mt. Juliet, TN

## 23010898-010 L1582632-10 Non-Potable Water

Collected by  
Collected date/time  
Received date/time

02/01/23 11:23      02/06/23 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2001893	1	02/08/23 18:17	02/14/23 09:59	SWM	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2001728	1	02/08/23 10:16	02/14/23 09:59	RGT	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2001728	1	02/08/23 10:16	02/10/23 17:19	RGT	Mt. Juliet, TN

## 23010898-011 L1582632-11 Non-Potable Water

Collected by  
Collected date/time  
Received date/time

01/31/23 11:04      02/06/23 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2001893	1	02/08/23 18:17	02/14/23 09:59	SWM	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2001728	1	02/08/23 10:16	02/14/23 09:59	RGT	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2001728	1	02/08/23 10:16	02/10/23 17:19	RGT	Mt. Juliet, TN

## 23010898-012 L1582632-12 Non-Potable Water

Collected by  
Collected date/time  
Received date/time

01/31/23 14:40      02/06/23 10:00

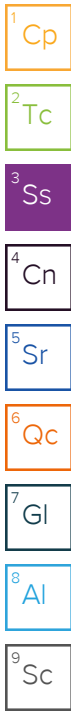
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2001893	1	02/08/23 18:17	02/14/23 09:59	SWM	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2001728	1	02/08/23 10:16	02/14/23 09:59	RGT	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2001728	1	02/08/23 10:16	02/10/23 17:19	RGT	Mt. Juliet, TN

# SAMPLE SUMMARY

## 23010898-013 L1582632-13 Non-Potable Water

Collected by \_\_\_\_\_ Collected date/time 01/31/23 14:07 Received date/time 02/06/23 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2001893	1	02/08/23 18:17	02/14/23 09:59	SWM	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2001728	1	02/08/23 10:16	02/14/23 09:59	RGT	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2001728	1	02/08/23 10:16	02/10/23 17:19	RGT	Mt. Juliet, TN



## 23010898-014 L1582632-14 Non-Potable Water

Collected by \_\_\_\_\_ Collected date/time 01/31/23 13:43 Received date/time 02/06/23 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2001893	1	02/08/23 18:17	02/14/23 09:59	SWM	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2001728	1	02/08/23 10:16	02/14/23 09:59	RGT	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2001728	1	02/08/23 10:16	02/10/23 17:19	RGT	Mt. Juliet, TN

## 23010898-015 L1582632-15 Non-Potable Water

Collected by \_\_\_\_\_ Collected date/time 01/31/23 12:58 Received date/time 02/06/23 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2001893	1	02/08/23 18:17	02/14/23 09:59	SWM	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2001728	1	02/08/23 10:16	02/14/23 09:59	RGT	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2001728	1	02/08/23 10:16	02/10/23 17:19	RGT	Mt. Juliet, TN

## 23010898-016 L1582632-16 Non-Potable Water

Collected by \_\_\_\_\_ Collected date/time 01/31/23 12:43 Received date/time 02/06/23 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2001893	1	02/08/23 18:17	02/14/23 09:59	SWM	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2001728	1	02/08/23 10:16	02/14/23 09:59	RGT	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2001728	1	02/08/23 10:16	02/10/23 17:19	RGT	Mt. Juliet, TN

## 23010898-017 L1582632-17 Non-Potable Water

Collected by \_\_\_\_\_ Collected date/time 01/31/23 13:24 Received date/time 02/06/23 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2001893	1	02/08/23 18:17	02/14/23 09:59	SWM	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2001728	1	02/08/23 10:16	02/14/23 09:59	RGT	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2001728	1	02/08/23 10:16	02/10/23 17:19	RGT	Mt. Juliet, TN

## 23010898-018 L1582632-18 Non-Potable Water

Collected by \_\_\_\_\_ Collected date/time 02/01/23 11:45 Received date/time 02/06/23 10:00

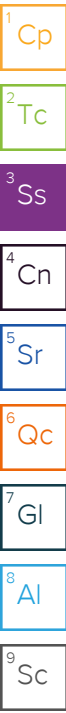
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2001893	1	02/08/23 18:17	02/14/23 09:59	SWM	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2001728	1	02/08/23 10:16	02/14/23 09:59	RGT	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2001728	1	02/08/23 10:16	02/10/23 17:19	RGT	Mt. Juliet, TN

# SAMPLE SUMMARY

## 23010898-019 L1582632-19 Non-Potable Water

Collected by \_\_\_\_\_ Collected date/time 02/01/23 12:29 Received date/time 02/06/23 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2004306	1	02/13/23 17:33	02/16/23 16:43	SWM	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2001728	1	02/08/23 10:16	02/16/23 16:43	RGT	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2001728	1	02/08/23 10:16	02/10/23 17:19	RGT	Mt. Juliet, TN



## 23010898-020 L1582632-20 Non-Potable Water

Collected by \_\_\_\_\_ Collected date/time 02/01/23 12:04 Received date/time 02/06/23 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2004306	1	02/13/23 17:33	02/16/23 16:43	SWM	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2001728	1	02/08/23 10:16	02/16/23 16:43	RGT	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2001728	1	02/08/23 10:16	02/10/23 17:19	RGT	Mt. Juliet, TN

## 23010898-021 L1582632-21 Non-Potable Water

Collected by \_\_\_\_\_ Collected date/time 02/01/23 13:56 Received date/time 02/06/23 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2004306	1	02/13/23 17:33	02/16/23 16:43	SWM	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2001731	1	02/08/23 13:09	02/16/23 16:43	SWM	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2001731	1	02/08/23 13:09	02/10/23 10:57	RGT	Mt. Juliet, TN

## 23010898-023 L1582632-22 Non-Potable Water

Collected by \_\_\_\_\_ Collected date/time 02/01/23 14:21 Received date/time 02/06/23 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2004306	1	02/13/23 17:33	02/16/23 16:43	SWM	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2001731	1	02/08/23 13:09	02/16/23 16:43	SWM	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2001731	1	02/08/23 13:09	02/10/23 10:57	RGT	Mt. Juliet, TN

## 23010898-024 L1582632-23 Non-Potable Water

Collected by \_\_\_\_\_ Collected date/time 01/31/23 11:25 Received date/time 02/06/23 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2004306	1	02/13/23 17:33	02/16/23 16:43	SWM	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2001731	1	02/08/23 13:09	02/16/23 16:43	SWM	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2001731	1	02/08/23 13:09	02/10/23 10:57	RGT	Mt. Juliet, TN

## 23010898-025 L1582632-24 Non-Potable Water

Collected by \_\_\_\_\_ Collected date/time 01/31/23 15:05 Received date/time 02/06/23 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2004306	1	02/13/23 17:33	02/16/23 16:43	SWM	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2001731	1	02/08/23 13:09	02/16/23 16:43	SWM	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2001731	1	02/08/23 13:09	02/10/23 10:57	RGT	Mt. Juliet, TN

# SAMPLE SUMMARY

## 23010898-026 L1582632-25 Non-Potable Water

Collected by  
Collected date/time  
Received date/time

02/01/23 10:32      02/06/23 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2004306	1	02/13/23 17:33	02/16/23 16:43	SWM	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2001731	1	02/08/23 13:09	02/16/23 16:43	SWM	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2001731	1	02/08/23 13:09	02/10/23 10:57	RGT	Mt. Juliet, TN

1  
Cp

2  
Tc

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Ss

4  
Cn

5  
Sr

6  
Qc

7  
Gl

8  
Al

9  
Sc

## 23010898-027 L1582632-26 Non-Potable Water

Collected by  
Collected date/time  
Received date/time

02/01/23 09:47      02/06/23 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2004306	1	02/13/23 17:33	02/16/23 16:43	SWM	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2001731	1	02/08/23 13:09	02/16/23 16:43	SWM	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2001731	1	02/08/23 13:09	02/10/23 10:57	RGT	Mt. Juliet, TN

## 23010898-028 L1582632-27 Non-Potable Water

Collected by  
Collected date/time  
Received date/time

02/01/23 15:09      02/06/23 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2004306	1	02/13/23 17:33	02/16/23 16:43	SWM	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2001731	1	02/08/23 13:09	02/16/23 16:43	SWM	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2001731	1	02/08/23 13:09	02/10/23 10:57	RGT	Mt. Juliet, TN

## 23010898-029 L1582632-28 Non-Potable Water

Collected by  
Collected date/time  
Received date/time

02/01/23 13:56      02/06/23 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2004306	1	02/13/23 17:33	02/16/23 16:43	SWM	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2001731	1	02/08/23 13:09	02/16/23 16:43	SWM	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2001731	1	02/08/23 13:09	02/10/23 10:57	RGT	Mt. Juliet, TN

## 23010898-030 L1582632-29 Non-Potable Water

Collected by  
Collected date/time  
Received date/time

02/01/23 16:01      02/06/23 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2004306	1	02/13/23 17:33	02/16/23 16:43	SWM	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2001731	1	02/08/23 13:09	02/16/23 16:43	SWM	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2001731	1	02/08/23 13:09	02/10/23 10:57	RGT	Mt. Juliet, TN



# CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All radiochemical sample results for solids are reported on a dry weight basis with the exception of tritium, carbon-14 and radon, unless wet weight was requested by the client. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Mark W. Beasley  
Project Manager

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-228	0.205	<u>U</u>	0.256	0.467	02/14/2023 09:59	<a href="#">WG2001893</a>
(T) Barium	94.3			30.0-143	02/14/2023 09:59	<a href="#">WG2001893</a>
(T) Yttrium	111			30.0-136	02/14/2023 09:59	<a href="#">WG2001893</a>

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	0.425	<u>J</u>	0.348	0.560	02/14/2023 09:59	<a href="#">WG2001728</a>

<sup>4</sup>Cn

<sup>5</sup>Sr

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-226	0.220	<u>J</u>	0.235	0.309	02/10/2023 17:19	<a href="#">WG2001728</a>
(T) Barium-133	79.2			30.0-143	02/10/2023 17:19	<a href="#">WG2001728</a>

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-228	0.747		0.323	0.573	02/14/2023 09:59	<a href="#">WG2001893</a>
(T) Barium	91.1			30.0-143	02/14/2023 09:59	<a href="#">WG2001893</a>
(T) Yttrium	108			30.0-136	02/14/2023 09:59	<a href="#">WG2001893</a>

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	1.36		0.464	0.651	02/14/2023 09:59	<a href="#">WG2001728</a>

<sup>4</sup>Cn

<sup>5</sup>Sr

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-226	0.609		0.333	0.308	02/10/2023 17:19	<a href="#">WG2001728</a>
(T) Barium-133	86.5			30.0-143	02/10/2023 17:19	<a href="#">WG2001728</a>

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-228	0.0541	<u>U</u>	0.301	0.550	02/14/2023 09:59	<a href="#">WG2001893</a>
(T) Barium	96.8			30.0-143	02/14/2023 09:59	<a href="#">WG2001893</a>
(T) Yttrium	107			30.0-136	02/14/2023 09:59	<a href="#">WG2001893</a>

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	0.831		0.475	0.613	02/14/2023 09:59	<a href="#">WG2001728</a>

<sup>4</sup>Cn

<sup>5</sup>Sr

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-226	0.777		0.367	0.270	02/10/2023 17:19	<a href="#">WG2001728</a>
(T) Barium-133	91.2			30.0-143	02/10/2023 17:19	<a href="#">WG2001728</a>

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-228	1.33		0.325	0.561	02/14/2023 09:59	<a href="#">WG2001893</a>
(T) Barium	83.9			30.0-143	02/14/2023 09:59	<a href="#">WG2001893</a>
(T) Yttrium	106			30.0-136	02/14/2023 09:59	<a href="#">WG2001893</a>

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	2.31		0.522	0.644	02/14/2023 09:59	<a href="#">WG2001728</a>

<sup>4</sup>Cn

<sup>5</sup>Sr

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-226	0.979		0.409	0.317	02/10/2023 17:19	<a href="#">WG2001728</a>
(T) Barium-133	87.0			30.0-143	02/10/2023 17:19	<a href="#">WG2001728</a>

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-228	0.887		0.374	0.664	02/14/2023 09:59	<a href="#">WG2001893</a>
(T) Barium	92.1			30.0-143	02/14/2023 09:59	<a href="#">WG2001893</a>
(T) Yttrium	114			30.0-136	02/14/2023 09:59	<a href="#">WG2001893</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	2.43		0.606	0.716	02/14/2023 09:59	<a href="#">WG2001728</a>

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-226	1.55		0.477	0.269	02/10/2023 17:19	<a href="#">WG2001728</a>
(T) Barium-133	95.4			30.0-143	02/10/2023 17:19	<a href="#">WG2001728</a>

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-228	0.0124	<u>U</u>	0.277	0.513	02/14/2023 09:59	<a href="#">WG2001893</a>
(T) Barium	101			30.0-143	02/14/2023 09:59	<a href="#">WG2001893</a>
(T) Yttrium	88.2			30.0-136	02/14/2023 09:59	<a href="#">WG2001893</a>

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	0.317	<u>J</u>	0.358	0.566	02/14/2023 09:59	<a href="#">WG2001728</a>

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-226	0.304		0.227	0.240	02/10/2023 17:19	<a href="#">WG2001728</a>
(T) Barium-133	89.9			30.0-143	02/10/2023 17:19	<a href="#">WG2001728</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-228	-0.149	<u>U</u>	0.228	0.427	02/14/2023 09:59	<a href="#">WG2001893</a>
(T) Barium	99.0			30.0-143	02/14/2023 09:59	<a href="#">WG2001893</a>
(T) Yttrium	99.4			30.0-136	02/14/2023 09:59	<a href="#">WG2001893</a>

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	0.601		0.378	0.487	02/14/2023 09:59	<a href="#">WG2001728</a>

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-226	0.601		0.302	0.234	02/10/2023 17:19	<a href="#">WG2001728</a>
(T) Barium-133	96.5			30.0-143	02/10/2023 17:19	<a href="#">WG2001728</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-228	-0.344	<u>U</u>	0.269	0.503	02/14/2023 09:59	<a href="#">WG2001893</a>
(T) Barium	104			30.0-143	02/14/2023 09:59	<a href="#">WG2001893</a>
(T) Yttrium	101			30.0-136	02/14/2023 09:59	<a href="#">WG2001893</a>

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	0.164	<u>U</u>	0.309	0.527	02/14/2023 09:59	<a href="#">WG2001728</a>

<sup>4</sup>Cn

<sup>5</sup>Sr

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-226	0.164		0.153	0.157	02/10/2023 17:19	<a href="#">WG2001728</a>
(T) Barium-133	89.2			30.0-143	02/10/2023 17:19	<a href="#">WG2001728</a>

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-228	0.213	J	0.238	0.435	02/14/2023 09:59	<a href="#">WG2001893</a>
(T) Barium	93.4			30.0-143	02/14/2023 09:59	<a href="#">WG2001893</a>
(T) Yttrium	112			30.0-136	02/14/2023 09:59	<a href="#">WG2001893</a>

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	0.738		0.361	0.478	02/14/2023 09:59	<a href="#">WG2001728</a>

<sup>4</sup>Cn

<sup>5</sup>Sr

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-226	0.525		0.272	0.197	02/10/2023 17:19	<a href="#">WG2001728</a>
(T) Barium-133	101			30.0-143	02/10/2023 17:19	<a href="#">WG2001728</a>

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-228	0.173	<u>U</u>	0.350	0.640	02/14/2023 09:59	<a href="#">WG2001893</a>
(T) Barium	89.3			30.0-143	02/14/2023 09:59	<a href="#">WG2001893</a>
(T) Yttrium	94.7			30.0-136	02/14/2023 09:59	<a href="#">WG2001893</a>

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	0.186	<u>U</u>	0.359	0.668	02/14/2023 09:59	<a href="#">WG2001728</a>

<sup>4</sup>Cn

<sup>5</sup>Sr

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-226	0.0132	<u>U</u>	0.0818	0.191	02/10/2023 17:19	<a href="#">WG2001728</a>
(T) Barium-133	85.5			30.0-143	02/10/2023 17:19	<a href="#">WG2001728</a>

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-228	0.925		0.294	0.510	02/14/2023 09:59	<a href="#">WG2001893</a>
(T) Barium	90.3			30.0-143	02/14/2023 09:59	<a href="#">WG2001893</a>
(T) Yttrium	108			30.0-136	02/14/2023 09:59	<a href="#">WG2001893</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	1.63		0.436	0.573	02/14/2023 09:59	<a href="#">WG2001728</a>

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-226	0.710		0.322	0.261	02/10/2023 17:19	<a href="#">WG2001728</a>
(T) Barium-133	97.8			30.0-143	02/10/2023 17:19	<a href="#">WG2001728</a>

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-228	1.00		0.242	0.413	02/14/2023 09:59	<a href="#">WG2001893</a>
(T) Barium	97.3			30.0-143	02/14/2023 09:59	<a href="#">WG2001893</a>
(T) Yttrium	99.6			30.0-136	02/14/2023 09:59	<a href="#">WG2001893</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	1.31		0.385	0.569	02/14/2023 09:59	<a href="#">WG2001728</a>

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-226	0.308	J	0.300	0.392	02/10/2023 17:19	<a href="#">WG2001728</a>
(T) Barium-133	93.2			30.0-143	02/10/2023 17:19	<a href="#">WG2001728</a>

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-228	0.626		0.248	0.435	02/14/2023 09:59	<a href="#">WG2001893</a>
(T) Barium	98.1			30.0-143	02/14/2023 09:59	<a href="#">WG2001893</a>
(T) Yttrium	110			30.0-136	02/14/2023 09:59	<a href="#">WG2001893</a>

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	1.06		0.400	0.558	02/14/2023 09:59	<a href="#">WG2001728</a>

<sup>4</sup>Cn

<sup>5</sup>Sr

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-226	0.432		0.314	0.350	02/10/2023 17:19	<a href="#">WG2001728</a>
(T) Barium-133	90.7			30.0-143	02/10/2023 17:19	<a href="#">WG2001728</a>

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-228	0.115	<u>U</u>	0.280	0.506	02/14/2023 09:59	<a href="#">WG2001893</a>
(T) Barium	98.9			30.0-143	02/14/2023 09:59	<a href="#">WG2001893</a>
(T) Yttrium	113			30.0-136	02/14/2023 09:59	<a href="#">WG2001893</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	0.408	<u>J</u>	0.374	0.586	02/14/2023 09:59	<a href="#">WG2001728</a>

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-226	0.293	<u>J</u>	0.248	0.296	02/10/2023 17:19	<a href="#">WG2001728</a>
(T) Barium-133	104			30.0-143	02/10/2023 17:19	<a href="#">WG2001728</a>

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-228	-1.85	<u>U</u>	0.342	0.670	02/14/2023 09:59	<a href="#">WG2001893</a>
(T) Barium	86.1			30.0-143	02/14/2023 09:59	<a href="#">WG2001893</a>
(T) Yttrium	103			30.0-136	02/14/2023 09:59	<a href="#">WG2001893</a>

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	0.000	<u>U</u>	0.408	0.802	02/14/2023 09:59	<a href="#">WG2001728</a>

<sup>4</sup>Cn

<sup>5</sup>Sr

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-226	-0.0509	<u>U</u>	0.223	0.441	02/10/2023 17:19	<a href="#">WG2001728</a>
(T) Barium-133	87.1			30.0-143	02/10/2023 17:19	<a href="#">WG2001728</a>

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc



Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-228	-0.657	<u>U</u>	0.383	0.710	02/14/2023 09:59	<a href="#">WG2001893</a>
(T) Barium	93.4			30.0-143	02/14/2023 09:59	<a href="#">WG2001893</a>
(T) Yttrium	89.0			30.0-136	02/14/2023 09:59	<a href="#">WG2001893</a>

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	0.341	<u>J</u>	0.451	0.750	02/14/2023 09:59	<a href="#">WG2001728</a>

<sup>4</sup>Cn

<sup>5</sup>Sr

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-226	0.341		0.238	0.242	02/10/2023 17:19	<a href="#">WG2001728</a>
(T) Barium-133	95.3			30.0-143	02/10/2023 17:19	<a href="#">WG2001728</a>

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-228	-1.93	<u>U</u>	0.289	0.571	02/14/2023 09:59	<a href="#">WG2001893</a>
(T) Barium	101			30.0-143	02/14/2023 09:59	<a href="#">WG2001893</a>
(T) Yttrium	115			30.0-136	02/14/2023 09:59	<a href="#">WG2001893</a>

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	0.230	<u>U</u>	0.368	0.641	02/14/2023 09:59	<a href="#">WG2001728</a>

<sup>4</sup>Cn

<sup>5</sup>Sr

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-226	0.230	<u>J</u>	0.228	0.291	02/10/2023 17:19	<a href="#">WG2001728</a>
(T) Barium-133	97.3			30.0-143	02/10/2023 17:19	<a href="#">WG2001728</a>

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-228	0.584		0.282	0.499	02/14/2023 09:59	<a href="#">WG2001893</a>
(T) Barium	96.3			30.0-143	02/14/2023 09:59	<a href="#">WG2001893</a>
(T) Yttrium	112			30.0-136	02/14/2023 09:59	<a href="#">WG2001893</a>

1 Cp

2 Tc

3 Ss

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	0.920		0.374	0.568	02/14/2023 09:59	<a href="#">WG2001728</a>

4 Cn

5 Sr

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-226	0.336		0.246	0.272	02/10/2023 17:19	<a href="#">WG2001728</a>
(T) Barium-133	93.8			30.0-143	02/10/2023 17:19	<a href="#">WG2001728</a>

6 Qc

7 Gl

8 Al

9 Sc

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-228	-0.320	<u>U</u>	0.287	0.512	02/16/2023 16:43	<a href="#">WG2004306</a>
(T) Barium	96.3			30.0-143	02/16/2023 16:43	<a href="#">WG2004306</a>
(T) Yttrium	91.7			30.0-136	02/16/2023 16:43	<a href="#">WG2004306</a>

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	0.298	<u>J</u>	0.351	0.544	02/16/2023 16:43	<a href="#">WG2001728</a>

<sup>4</sup>Cn

<sup>5</sup>Sr

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-226	0.298		0.202	0.183	02/10/2023 17:19	<a href="#">WG2001728</a>
(T) Barium-133	89.3			30.0-143	02/10/2023 17:19	<a href="#">WG2001728</a>

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-228	1.04		0.448	0.756	02/16/2023 16:43	<a href="#">WG2004306</a>
(T) Barium	89.0			30.0-143	02/16/2023 16:43	<a href="#">WG2004306</a>
(T) Yttrium	100			30.0-136	02/16/2023 16:43	<a href="#">WG2004306</a>

1 Cp

2 Tc

3 Ss

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	1.19		0.488	0.804	02/16/2023 16:43	<a href="#">WG2001728</a>

4 Cn

5 Sr

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-226	0.150	J	0.193	0.275	02/10/2023 17:19	<a href="#">WG2001728</a>
(T) Barium-133	80.1			30.0-143	02/10/2023 17:19	<a href="#">WG2001728</a>

6 Qc

7 Gl

8 Al

9 Sc

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-228	-0.435	<u>U</u>	0.351	0.621	02/16/2023 16:43	<a href="#">WG2004306</a>
(T) Barium	99.1			30.0-143	02/16/2023 16:43	<a href="#">WG2004306</a>
(T) Yttrium	91.7			30.0-136	02/16/2023 16:43	<a href="#">WG2004306</a>

1 Cp

2 Tc

3 Ss

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	0.219	<u>U</u>	0.408	0.672	02/16/2023 16:43	<a href="#">WG2001731</a>

4 Cn

5 Sr

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-226	0.219	<u>J</u>	0.208	0.258	02/10/2023 10:57	<a href="#">WG2001731</a>
(T) Barium-133	94.6			30.0-143	02/10/2023 10:57	<a href="#">WG2001731</a>

6 Qc

7 Gl

8 Al

9 Sc

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-228	0.585		0.316	0.536	02/16/2023 16:43	<a href="#">WG2004306</a>
(T) Barium	101			30.0-143	02/16/2023 16:43	<a href="#">WG2004306</a>
(T) Yttrium	87.2			30.0-136	02/16/2023 16:43	<a href="#">WG2004306</a>

1 Cp

2 Tc

3 Ss

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	0.948		0.413	0.611	02/16/2023 16:43	<a href="#">WG2001731</a>

4 Cn

5 Sr

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-226	0.363		0.266	0.294	02/10/2023 10:57	<a href="#">WG2001731</a>
(T) Barium-133	90.6			30.0-143	02/10/2023 10:57	<a href="#">WG2001731</a>

6 Qc

7 Gl

8 Al

9 Sc

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-228	0.487	J	0.395	0.679	02/16/2023 16:43	<a href="#">WG2004306</a>
(T) Barium	100			30.0-143	02/16/2023 16:43	<a href="#">WG2004306</a>
(T) Yttrium	103			30.0-136	02/16/2023 16:43	<a href="#">WG2004306</a>

1 Cp

2 Tc

3 Ss

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	5.06		1.03	0.757	02/16/2023 16:43	<a href="#">WG2001731</a>

4 Cn

5 Sr

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-226	4.57		0.955	0.335	02/10/2023 10:57	<a href="#">WG2001731</a>
(T) Barium-133	73.4			30.0-143	02/10/2023 10:57	<a href="#">WG2001731</a>

6 Qc

7 Gl

8 Al

9 Sc



Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-228	0.0697	<u>U</u>	0.256	0.448	02/16/2023 16:43	<a href="#">WG2004306</a>
(T) Barium	95.8			30.0-143	02/16/2023 16:43	<a href="#">WG2004306</a>
(T) Yttrium	99.7			30.0-136	02/16/2023 16:43	<a href="#">WG2004306</a>

1 Cp

2 Tc

3 Ss

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	0.284	<u>J</u>	0.345	0.544	02/16/2023 16:43	<a href="#">WG2001731</a>

4 Cn

5 Sr

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-226	0.215	<u>J</u>	0.232	0.309	02/10/2023 10:57	<a href="#">WG2001731</a>
(T) Barium-133	89.2			30.0-143	02/10/2023 10:57	<a href="#">WG2001731</a>

6 Qc

7 Gl

8 Al

9 Sc

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-228	0.607		0.230	0.386	02/16/2023 16:43	<a href="#">WG2004306</a>
(T) Barium	101			30.0-143	02/16/2023 16:43	<a href="#">WG2004306</a>
(T) Yttrium	110			30.0-136	02/16/2023 16:43	<a href="#">WG2004306</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	1.17		0.395	0.486	02/16/2023 16:43	<a href="#">WG2001731</a>

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-226	0.562		0.321	0.295	02/10/2023 10:57	<a href="#">WG2001731</a>
(T) Barium-133	87.1			30.0-143	02/10/2023 10:57	<a href="#">WG2001731</a>

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-228	0.733		0.312	0.525	02/16/2023 16:43	<a href="#">WG2004306</a>
(T) Barium	95.7			30.0-143	02/16/2023 16:43	<a href="#">WG2004306</a>
(T) Yttrium	99.5			30.0-136	02/16/2023 16:43	<a href="#">WG2004306</a>

1 Cp

2 Tc

3 Ss

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	0.962		0.382	0.592	02/16/2023 16:43	<a href="#">WG2001731</a>

4 Cn

5 Sr

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-226	0.229	J	0.221	0.274	02/10/2023 10:57	<a href="#">WG2001731</a>
(T) Barium-133	78.9			30.0-143	02/10/2023 10:57	<a href="#">WG2001731</a>

6 Qc

7 Gl

8 Al

9 Sc

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-228	-0.117	<u>U</u>	0.266	0.471	02/16/2023 16:43	<a href="#">WG2004306</a>
(T) Barium	106			30.0-143	02/16/2023 16:43	<a href="#">WG2004306</a>
(T) Yttrium	103			30.0-136	02/16/2023 16:43	<a href="#">WG2004306</a>

1 Cp

2 Tc

3 Ss

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	0.156	<u>U</u>	0.325	0.537	02/16/2023 16:43	<a href="#">WG2001731</a>

4 Cn

5 Sr

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-226	0.156	<u>J</u>	0.187	0.257	02/10/2023 10:57	<a href="#">WG2001731</a>
(T) Barium-133	87.6			30.0-143	02/10/2023 10:57	<a href="#">WG2001731</a>

6 Qc

7 Gl

8 Al

9 Sc

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-228	0.394	J	0.281	0.482	02/16/2023 16:43	<a href="#">WG2004306</a>
(T) Barium	95.4			30.0-143	02/16/2023 16:43	<a href="#">WG2004306</a>
(T) Yttrium	96.7			30.0-136	02/16/2023 16:43	<a href="#">WG2004306</a>

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	0.776		0.358	0.505	02/16/2023 16:43	<a href="#">WG2001731</a>

<sup>4</sup>Cn

<sup>5</sup>Sr

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-226	0.382		0.222	0.149	02/10/2023 10:57	<a href="#">WG2001731</a>
(T) Barium-133	94.0			30.0-143	02/10/2023 10:57	<a href="#">WG2001731</a>

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-228	0.0365	<u>U</u>	0.282	0.492	02/16/2023 16:43	<a href="#">WG2004306</a>
(T) Barium	105			30.0-143	02/16/2023 16:43	<a href="#">WG2004306</a>
(T) Yttrium	101			30.0-136	02/16/2023 16:43	<a href="#">WG2004306</a>

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	0.474	<u>J</u>	0.380	0.533	02/16/2023 16:43	<a href="#">WG2001731</a>

<sup>4</sup>Cn

<sup>5</sup>Sr

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-226	0.438		0.255	0.205	02/10/2023 10:57	<a href="#">WG2001731</a>
(T) Barium-133	96.4			30.0-143	02/10/2023 10:57	<a href="#">WG2001731</a>

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

Method Blank (MB)

(MB) R3891711-1 02/14/23 09:59

Analyte	MB Result pCi/l	MB Qualifier	MB Uncertainty + / -	MB MDA pCi/l
Radium-228	0.453		0.207	0.368
(T) Barium	93.2		93.2	
(T) Yttrium	101		101	

L1582632-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1582632-04 02/14/23 09:59 • (DUP) R3891711-5 02/14/23 09:59

Analyte	Original Result pCi/l	Original Uncertainty + / -	Original MDA pCi/l	DUP Result pCi/l	DUP Uncertainty + / -	DUP MDA pCi/l	Dilution	DUP RPD %	DUP RER	DUP Qualifier	DUP RPD Limits %	DUP RER Limit
Radium-228	1.33	0.325	0.561	0.566	0.358	0.561	1	80.7	1.58	J	20	3
(T) Barium	83.9			95.7	95.7							
(T) Yttrium	106			90.9	90.9							

Laboratory Control Sample (LCS)

(LCS) R3891711-2 02/14/23 09:59

Analyte	Spike Amount pCi/l	LCS Result pCi/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Radium-228	5.00	5.89	118	80.0-120	
(T) Barium			90.5		
(T) Yttrium			96.5		

L1582632-13 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1582632-13 02/14/23 09:59 • (MS) R3891711-3 02/14/23 09:59 • (MSD) R3891711-4 02/14/23 09:59

Analyte	Spike Amount pCi/l	Original Result pCi/l	MS Result pCi/l	MSD Result pCi/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	MS RER	RPD Limits %
Radium-228	10.0	0.626	9.73	8.62	91.0	79.9	1	70.0-130			12.1		20
(T) Barium		98.1			98.9	96.8							
(T) Yttrium		110			119	121							

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

Method Blank (MB)

(MB) R3891876-1 02/16/23 16:43

Analyte	MB Result	MB Qualifier	MB Uncertainty	MB MDA
	pCi/l		+ / -	pCi/l
Radium-228	0.288	<u>J</u>	0.202	0.345
(T) Barium	105		105	
(T) Yttrium	101		101	

L1582632-20 Original Sample (OS) • Duplicate (DUP)

(OS) L1582632-20 02/16/23 16:43 • (DUP) R3891876-5 02/16/23 16:43

Analyte	Original Result	Original Uncertainty	Original MDA	DUP Result	DUP Uncertainty	DUP MDA	Dilution	DUP RPD	DUP RER	DUP Qualifier	DUP RPD Limits	DUP RER Limit
	pCi/l	+ / -	pCi/l	pCi/l	+ / -	pCi/l		%			%	
Radium-228	1.04	0.448	0.756	1.16	0.394	0.756	1	11.1	0.204		20	3
(T) Barium	89.0			105	105							
(T) Yttrium	100			93.8	93.8							

Laboratory Control Sample (LCS)

(LCS) R3891876-2 02/16/23 16:43

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	pCi/l	pCi/l	%	%	
Radium-228	5.00	4.22	84.5	80.0-120	
(T) Barium			106		
(T) Yttrium			108		

L1583846-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1583846-01 02/16/23 16:43 • (MS) R3891876-3 02/16/23 16:43 • (MSD) R3891876-4 02/16/23 16:43

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	MS RER	RPD Limits
	pCi/l	pCi/l	pCi/l	pCi/l	%	%		%			%		%
Radium-228	10.0	-0.811	6.43	6.66	64.3	66.6	1	70.0-130	<u>J6</u>	<u>J6</u>	3.39		20
(T) Barium		99.2			98.5	108							
(T) Yttrium		102			98.3	102							

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc



Method Blank (MB)

(MB) R3893293-1 02/10/23 17:19

Analyte	MB Result	MB Qualifier	MB Uncertainty	MB MDA
	pCi/l		+ / -	pCi/l
Radium-226	0.0245	↓	0.0423	0.0660
(T) Barium-133	98.0		98.0	

L1582632-15 Original Sample (OS) • Duplicate (DUP)

(OS) L1582632-15 02/10/23 17:19 • (DUP) R3893293-5 02/10/23 17:19

Analyte	Original Result	Original Uncertainty	Original MDA	DUP Result	DUP Uncertainty	DUP MDA	Dilution	DUP RPD	DUP RER	DUP Qualifier	DUP RPD Limits	DUP RER Limit
	pCi/l	+ / -	pCi/l	pCi/l	+ / -	pCi/l		%			%	
Radium-226	-0.0509	0.223	0.441	0.145	0.239	0.441	1	200	0.600	↓	20	3
(T) Barium-133	87.1			85.0	85.0							

Laboratory Control Sample (LCS)

(LCS) R3893293-2 02/10/23 17:19

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	pCi/l	pCi/l	%	%	
Radium-226	5.02	4.67	93.1	80.0-120	
(T) Barium-133			90.1		

L1582632-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1582632-07 02/10/23 17:19 • (MS) R3893293-3 02/10/23 17:19 • (MSD) R3893293-4 02/10/23 17:19

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	MS RER	RPD Limits
	pCi/l	pCi/l	pCi/l	pCi/l	%	%		%			%		%
Radium-226	20.0	0.601	19.5	23.5	94.6	114	1	75.0-125			18.4		20
(T) Barium-133		96.5			92.0	72.0							

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3891354-1 02/10/23 10:57

Analyte	MB Result pCi/l	MB Qualifier	MB Uncertainty + / -	MB MDA pCi/l
Radium-226	0.0221	<u>U</u>	0.0497	0.0810
(T) Barium-133	91.0		91.0	

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

L1582632-29 Original Sample (OS) • Duplicate (DUP)

(OS) L1582632-29 02/10/23 10:57 • (DUP) R3891354-5 02/10/23 10:57

Analyte	Original Result pCi/l	Original Uncertainty + / -	Original MDA pCi/l	DUP Result pCi/l	DUP Uncertainty + / -	DUP MDA pCi/l	Dilution	DUP RPD %	DUP RER	DUP Qualifier	DUP RPD Limits %	DUP RER Limit
Radium-226	0.438	0.255	0.205	0.0630	0.219	0.205	1	150	1.12	<u>U</u>	20	3
(T) Barium-133	96.4			85.5	85.5							

Laboratory Control Sample (LCS)

(LCS) R3891354-2 02/10/23 10:57

Analyte	Spike Amount pCi/l	LCS Result pCi/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Radium-226	5.02	5.03	100	80.0-120	
(T) Barium-133			94.2		

L1582632-21 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1582632-21 02/10/23 10:57 • (MS) R3891354-3 02/10/23 10:57 • (MSD) R3891354-4 02/10/23 10:57

Analyte	Spike Amount pCi/l	Original Result pCi/l	MS Result pCi/l	MSD Result pCi/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	MS RER	RPD Limits %
Radium-226	20.0	0.219	18.6	18.8	91.9	93.0	1	75.0-125			1.18		20
(T) Barium-133		94.6			96.6	92.7							

# GLOSSARY OF TERMS

## Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

### Abbreviations and Definitions

MDA	Minimum Detectable Activity.
Rec.	Recovery.
RER	Replicate Error Ratio.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(T)	Tracer - A radioisotope of known concentration added to a solution of chemically equivalent radioisotopes at a known concentration to assist in monitoring the yield of the chemical separation.
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
U	Below Detectable Limits: Indicates that the analyte was not detected.

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

# ACCREDITATIONS & LOCATIONS

## Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico <sup>1</sup>	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina <sup>1</sup>	DW21704
Georgia	NELAP	North Carolina <sup>3</sup>	41
Georgia <sup>1</sup>	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky <sup>1,6</sup>	KY90010	South Carolina	84004002
Kentucky <sup>2</sup>	16	South Dakota	n/a
Louisiana	AI30792	Tennessee <sup>1,4</sup>	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas <sup>5</sup>	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 <sup>5</sup>	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

<sup>1</sup> Drinking Water <sup>2</sup> Underground Storage Tanks <sup>3</sup> Aquatic Toxicity <sup>4</sup> Chemical/Microbiological <sup>5</sup> Mold <sup>6</sup> Wastewater n/a Accreditation not applicable

\* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

\* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

### TEKLAB, INC. Chain of Custody

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

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

**Teklab Inc**  
5445 Horseshoe Lake Road  
Collinsville, IL 62234

Cooler Temp:  Sampler:  QC Level:

Project#

Comments:   
Please analyze for Radium 226/228 on your standard turn around time.  
Samples collected from an IL site.  
Batch QC is required for all analyses requested. EDD requested..

Contact:  Email:   
Requested Due Date:  Billing/PO:

Phone:

*4582632*

**PLEASE NOTE:**

NELAP accreditation is required on the requested analytes and must be documented as such on the final report. If your laboratory does not currently hold a NELAP accreditation for the requested method and/or analytes, please contact Teklab immediately. If your laboratory loses accreditation or is suspended for any analyte/method during the life of the contract, you must contact Teklab immediately. Any changes to analysis/methods must be approved by Teklab, Inc.

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228														
-a	23010898-001	1/30/32 1225	HNO3	Groundwater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-b	23010898-002	2/1/23 1439	HNO3	Groundwater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-c	23010898-003	1/30/23 1253	HNO3	Groundwater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-d	23010898-004	2/1/23 1103	HNO3	Groundwater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-e	23010898-005	1/31/23 1017	HNO3	Groundwater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-f	23010898-006	1/31/23 1213	HNO3	Groundwater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-g	23010898-007	1/31/23 1152	HNO3	Groundwater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-h	23010898-008	1/31/23 1037	HNO3	Groundwater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-i	23010898-009	2/1/23 1246	HNO3	Groundwater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-j	23010898-010	2/1/23 1123	HNO3	Groundwater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-k	23010898-011	1/31/22 1104	HNO3	Groundwater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

*Relinquished By	Date/Time	Received By	Date/Time
<i>Am...</i>	2/2/23 1600	<i>Joseph Pace</i>	2-6-23 1000

Sample Receipt Checklist  
 COC Seal Present/Intact:  Y  N If Applicable  
 COC Signed/Accurate:  Y  N VOA Zero Headspace:  Y  N  
 Bottles arrive intact:  Y  N Pres. Correct/Check:  Y  N  
 Correct bottles used:  Y  N  
 Sufficient volume sent:  Y  N  
 RAD Screen <0.5 mR/hr:  Y  N  
*MSAG 22.1+0=22.1*

does not provide client/sampler information without proper authorization. and proprietary rights, owned by local, state or federal laws. (Teklab QAM Section 9.1, TNI V1 M2 Section 4.1.5 c)  
*6319 36158250*

### TEKLAB, INC. Chain of Custody

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

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

**Teklab Inc**  
5445 Horseshoe Lake Road  
Collinsville, IL 62234

Cooler Temp:  Sampler:  QC Level:

Project#

Comments:   
Please analyze for Radium 226/228 on your standard turn around time.  
Samples collected from an IL site.  
Batch QC is required for all analyses requested. EDD requested..

Contact:  Email:   
Requested Due Date:  Billing/PO:

Phone:

LF582632

**PLEASE NOTE:**

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228													
-12	23010898-012	1/31/23 1440	HNO3	Groundwater	✓	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-13	23010898-013	1/31/23 1407	HNO3	Groundwater	✓	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-14	23010898-014	1/31/23 1345	HNO3	Groundwater	✓	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-15	23010898-015	1/31/23 1258	HNO3	Groundwater	✓	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-16	23010898-016	1/31/23 1243	HNO3	Groundwater	✓	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-17	23010898-017	1/31/23 1324	HNO3	Groundwater	✓	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-18	23010898-018	2/1/23 1145	HNO3	Groundwater	✓	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-19	23010898-019	2/1/23 1229	HNO3	Groundwater	✓	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-20	23010898-020	2/1/23 1204	HNO3	Groundwater	✓	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-21	23010898-021	2/1/23 1356	HNO3	Groundwater	✓	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-22	23010898-023	2/1/23 1421	HNO3	Groundwater	✓	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

*Relinquished By	Date/Time	Received By	Date/Time
	2/2/23		

### TEKLAB, INC. Chain of Custody

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

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

Teklab Inc  
5445 Horseshoe Lake Road  
Collinsville, IL 62234

Cooler Temp:  Sampler:  QC Level:

Project#

Comments:   
Please analyze for Radium 226/228 on your standard turn around time.  
Samples collected from an IL site.  
Batch QC is required for all analyses requested. EDD requested..

Contact:  Email:

Requested Due Date:  Billing/PO:

Phone:

*4582632*

**PLEASE NOTE:**

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228															
<i>-23</i>	23010898-024	1/31/23 1125	HNO3	Groundwater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>-24</i>	23010898-025	1/31/23 1505	HNO3	Groundwater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>-25</i>	23010898-026	2/1/23 1032	HNO3	Groundwater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>-26</i>	23010898-027	2/1/23 0947	HNO3	Groundwater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>-27</i>	23010898-028	2/1/23 1509	HNO3	Groundwater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>-28</i>	23010898-029	2/1/23 1356	HNO3	Groundwater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>-29</i>	23010898-030	2/1/23 1601	HNO3	Groundwater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			HNO3	Groundwater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			HNO3	Groundwater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			HNO3	Groundwater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			HNO3	Groundwater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

*Relinquished By	Date/Time	Received By	Date/Time
<i>[Signature]</i>	<i>2/2/23</i>		

1582682

<u>Tracking Numbers</u>		<u>Temperature</u>
631936158250		NSAC 22.1
8260		21.5
8271		25.1
		20.4



August 04, 2023

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



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

**RE: KIN-23Q2**

**WorkOrder: 23060002**

Dear Eric Bauer:

TEKLAB, INC received 29 samples for KIN-257-141 on 6/13/2023 5:15:00 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  
Director of Customer Service  
(618)344-1004 ex 33  
[ehurley@teklabinc.com](mailto:ehurley@teklabinc.com)



## Report Contents

<http://www.teklabinc.com/>

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**Client:** Ramboll

**Work Order:** 23060002

**Client Project:** KIN-23Q2

**Report Date:** 04-Aug-23

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**This reporting package includes the following:**

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Client: Ramboll

Work Order: 23060002

Client Project: KIN-23Q2

Report Date: 04-Aug-23

### Abbr Definition

\* Analytes on report marked with an asterisk are not NELAP accredited

CCV Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.

CRQL A Client Requested Quantitation Limit is a reporting limit that varies according to customer request. The CRQL may not be less than the MDL.

DF Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilution factors.

DNI Did not ignite

DUP Laboratory duplicate is a replicate aliquot prepared under the same laboratory conditions and independently analyzed to obtain a measure of precision.

ICV Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.

IDPH IL Dept. of Public Health

LCS Laboratory control sample is a sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes and analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system.

LCSD Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).

MBLK Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.

MDL "The method detection limit is defined as the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results."

MS Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).

MSD Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).

MW Molecular weight

NC Data is not acceptable for compliance purposes

ND Not Detected at the Reporting Limit

NELAP NELAP Accredited

PQL Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions.

RL The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.

RPD Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).

SPK The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.

Surr Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.

TIC Tentatively identified compound: Analytes tentatively identified in the sample by using a library search. Only results not in the calibration standard will be reported as tentatively identified compounds. Results for tentatively identified compounds that are not present in the calibration standard, but are assigned a specific chemical name based upon the library search, are calculated using total peak areas from reconstructed ion chromatograms and a response factor of one. The nearest Internal Standard is used for the calculation. The results of any TICs must be considered estimated, and are flagged with a "T". If the estimated result is above the calibration range it is flagged "ET"

TNTC Too numerous to count (> 200 CFU)

**Client:** Ramboll

**Work Order:** 23060002

**Client Project:** KIN-23Q2

**Report Date:** 04-Aug-23

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### Qualifiers

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

Client: Ramboll

Work Order: 23060002

Client Project: KIN-23Q2

Report Date: 04-Aug-23

**Cooler Receipt Temp: 3.6 °C**

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

MW-07#S, MW-08#S, KIN-MW-27, and MW-31#S could not be collected; the wells were dry.

KIN-MW-23 will be reported as collected at 1335 per raw field data. EAH 6/23/23

KIN-MW-27 will be reported as collected at 1437 per raw field data. EAH 6/27/23

KIN-257-141 data is included in this report. EAH 7/17/23

This report was revised on August 4, 2023, per Eric Bauer's request. The reason for this revision is to update all Arsenic reporting limits to 0.01 mg/L. Please replace report dated July 17, 2023 with this report. EAH 8/4/23

**Locations**

**Collinsville**

**Address** 5445 Horseshoe Lake Road  
Collinsville, IL 62234-7425

**Phone** (618) 344-1004

**Fax** (618) 344-1005

**Email** jhriley@teklabinc.com

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**Address** 3920 Pintail Dr  
Springfield, IL 62711-9415

**Phone** (217) 698-1004

**Fax** (217) 698-1005

**Email** KKlostermann@teklabinc.com

**Kansas City**

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Lenexa, KS 66214

**Phone** (913) 541-1998

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Downers Grove, IL 60515

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## Accreditations

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23060002

Client Project: KIN-23Q2

Report Date: 04-Aug-23

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



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
 Client Project: KIN-23Q2  
 Lab ID: 23060002-001  
 Matrix: GROUNDWATER

Work Order: 23060002  
 Report Date: 04-Aug-23  
 Client Sample ID: KIN-MW-01  
 Collection Date: 06/12/2023 12:33

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		15.62	ft	1	06/12/2023 12:33	R330342
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		< 1.0	NTU	1	06/12/2023 12:33	R330342
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		113	mV	1	06/12/2023 12:33	R330342
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		528	µS/cm	1	06/12/2023 12:33	R330342
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		12.8	°C	1	06/12/2023 12:33	R330342
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		0.68	mg/L	1	06/12/2023 12:33	R330342
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		6.14		1	06/12/2023 12:33	R330342
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		180	mg/L	1	06/19/2023 11:57	R330464
<b>STANDARD METHODS 2320 B 1997, 2011</b>									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		0	mg/L	1	06/19/2023 11:57	R330464
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	16	20		306	mg/L	1	06/13/2023 11:30	R330218
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	31	50		83	mg/L	5	06/15/2023 20:13	R330335
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.20	mg/L	1	06/21/2023 10:15	R330565
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		15	mg/L	1	06/15/2023 20:09	R330374
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Arsenic	NELAP	0.0087	0.0100		< 0.0100	mg/L	1	06/19/2023 18:19	207271
Barium	NELAP	0.0007	0.0025		0.0431	mg/L	1	06/19/2023 18:19	207271
Beryllium	NELAP	0.0002	0.0005		< 0.0005	mg/L	1	06/19/2023 18:19	207271
Boron	NELAP	0.0090	0.0200		0.208	mg/L	1	06/19/2023 18:19	207271
Cadmium	NELAP	0.0005	0.0020		< 0.0020	mg/L	1	06/19/2023 18:19	207271
Calcium	NELAP	0.0350	0.100		51.4	mg/L	1	06/19/2023 18:19	207271
Chromium	NELAP	0.0028	0.0050		< 0.0050	mg/L	1	06/19/2023 18:19	207271
Lead	NELAP	0.0040	0.0075		< 0.0075	mg/L	1	06/19/2023 18:19	207271
Magnesium	NELAP	0.0055	0.0500		26.1	mg/L	1	06/19/2023 18:19	207271
Molybdenum	NELAP	0.0037	0.0100		< 0.0100	mg/L	1	06/19/2023 18:19	207271
Potassium	NELAP	0.0400	0.100		0.243	mg/L	1	06/19/2023 18:19	207271
Sodium	NELAP	0.0180	0.0500		16.2	mg/L	1	06/19/2023 18:19	207271
<b>SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	06/15/2023 10:37	207271
Cobalt	NELAP	0.0001	0.0010		< 0.0010	mg/L	5	06/15/2023 10:37	207271
Lithium	*	0.0015	0.0030		< 0.0030	mg/L	5	06/15/2023 10:37	207271
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	06/15/2023 10:37	207271
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	06/15/2023 10:37	207271



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q2  
Lab ID: 23060002-001  
Matrix: GROUNDWATER

Work Order: 23060002  
Report Date: 04-Aug-23  
Client Sample ID: KIN-MW-01  
Collection Date: 06/12/2023 12:33

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	06/21/2023 11:56	207548





# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
 Client Project: KIN-23Q2  
 Lab ID: 23060002-002  
 Matrix: GROUNDWATER

Work Order: 23060002  
 Report Date: 04-Aug-23  
 Client Sample ID: KIN-MW-02  
 Collection Date: 06/12/2023 13:16

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		7.39	ft	1	06/12/2023 13:16	R330342
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		220	NTU	1	06/12/2023 13:16	R330342
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		111	mV	1	06/12/2023 13:16	R330342
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		763	µS/cm	1	06/12/2023 13:16	R330342
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		12.6	°C	1	06/12/2023 13:16	R330342
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		0.64	mg/L	1	06/12/2023 13:16	R330342
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		6.96		1	06/12/2023 13:16	R330342
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		347	mg/L	1	06/19/2023 12:02	R330464
<b>STANDARD METHODS 2320 B 1997, 2011</b>									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		0	mg/L	1	06/19/2023 12:02	R330464
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	40	50		535	mg/L	2.5	06/13/2023 11:31	R330218
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	31	50		149	mg/L	5	06/15/2023 20:43	R330335
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.48	mg/L	1	06/21/2023 10:18	R330565
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		16	mg/L	1	06/15/2023 20:20	R330374
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Arsenic	NELAP	0.0087	0.0100		0.0103	mg/L	1	06/19/2023 18:20	207271
Barium	NELAP	0.0007	0.0025		0.315	mg/L	1	06/19/2023 18:20	207271
Beryllium	NELAP	0.0002	0.0005		0.0013	mg/L	1	06/19/2023 18:20	207271
Boron	NELAP	0.0090	0.0200		0.0474	mg/L	1	06/19/2023 18:20	207271
Cadmium	NELAP	0.0005	0.0020	J	0.0009	mg/L	1	06/19/2023 18:20	207271
Calcium	NELAP	0.0350	0.100		225	mg/L	1	06/19/2023 18:20	207271
Chromium	NELAP	0.0028	0.0050		0.0242	mg/L	1	06/19/2023 18:20	207271
Lead	NELAP	0.0040	0.0075		0.0272	mg/L	1	06/19/2023 18:20	207271
Magnesium	NELAP	0.0055	0.0500		76.0	mg/L	1	06/19/2023 18:20	207271
Molybdenum	NELAP	0.0037	0.0100		< 0.0100	mg/L	1	06/19/2023 18:20	207271
Potassium	NELAP	0.0400	0.100		2.77	mg/L	1	06/19/2023 18:20	207271
Sodium	NELAP	0.0180	0.0500		27.3	mg/L	1	06/19/2023 18:20	207271
<b>SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	06/15/2023 10:43	207271
Cobalt	NELAP	0.0001	0.0010		0.0185	mg/L	5	06/15/2023 10:43	207271
Lithium	*	0.0015	0.0030		0.0241	mg/L	5	06/15/2023 10:43	207271
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	06/15/2023 10:43	207271
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	06/15/2023 10:43	207271



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q2  
Lab ID: 23060002-002  
Matrix: GROUNDWATER

Work Order: 23060002  
Report Date: 04-Aug-23  
Client Sample ID: KIN-MW-02  
Collection Date: 06/12/2023 13:16

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	06/21/2023 11:59	207548



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
 Client Project: KIN-23Q2  
 Lab ID: 23060002-003  
 Matrix: GROUNDWATER

Work Order: 23060002  
 Report Date: 04-Aug-23  
 Client Sample ID: KIN-MW-03  
 Collection Date: 06/13/2023 10:45

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		8.84	ft	1	06/13/2023 10:45	R330342
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		3.8	NTU	1	06/13/2023 10:45	R330342
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		103	mV	1	06/13/2023 10:45	R330342
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		978	µS/cm	1	06/13/2023 10:45	R330342
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		13.0	°C	1	06/13/2023 10:45	R330342
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		0.53	mg/L	1	06/13/2023 10:45	R330342
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		6.49		1	06/13/2023 10:45	R330342
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>									
Alkalinity, Bicarbonate (as CaCO <sub>3</sub> )	NELAP	0	0		372	mg/L	1	06/19/2023 12:08	R330464
<b>STANDARD METHODS 2320 B 1997, 2011</b>									
Alkalinity, Carbonate (as CaCO <sub>3</sub> )	NELAP	0	0		0	mg/L	1	06/19/2023 12:08	R330464
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	16	20		568	mg/L	1	06/15/2023 11:02	R330392
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	31	50		130	mg/L	5	06/16/2023 1:02	R330335
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.24	mg/L	1	06/21/2023 10:20	R330565
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		30	mg/L	1	06/16/2023 0:38	R330374
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Arsenic	NELAP	0.0087	0.0100		< 0.0100	mg/L	1	06/20/2023 21:13	207360
Barium	NELAP	0.0007	0.0025		0.0451	mg/L	1	06/20/2023 21:13	207360
Beryllium	NELAP	0.0002	0.0005		< 0.0005	mg/L	1	06/20/2023 21:13	207360
Boron	NELAP	0.0090	0.0200		1.51	mg/L	1	06/21/2023 16:34	207360
Cadmium	NELAP	0.0005	0.0020		< 0.0020	mg/L	1	06/20/2023 21:13	207360
Calcium	NELAP	0.0350	0.100		95.8	mg/L	1	06/21/2023 16:34	207360
Chromium	NELAP	0.0028	0.0050	B	< 0.0050	mg/L	1	06/20/2023 21:13	207360
Lead	NELAP	0.0040	0.0075		< 0.0075	mg/L	1	06/20/2023 21:13	207360
Magnesium	NELAP	0.0055	0.0500		49.3	mg/L	1	06/21/2023 16:34	207360
Molybdenum	NELAP	0.0037	0.0100		< 0.0100	mg/L	1	06/20/2023 21:13	207360
Potassium	NELAP	0.0400	0.100		0.228	mg/L	1	06/21/2023 16:34	207360
Sodium	NELAP	0.0180	0.0500		44.2	mg/L	1	06/21/2023 16:34	207360
<i>Sample result(s) for Si exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.</i>									
<i>LCS recovered outside upper control limits for As, Be, Cd and Mo. Sample results are below the reporting limit. Data is reportable per the TNI Standard.</i>									
<i>Contamination present in the MBLK for Cr. Sample results below the reporting limit are reportable per the TNI Standard.</i>									
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	06/19/2023 11:00	207360
Cobalt	NELAP	0.0005	0.0010		< 0.0010	mg/L	5	06/19/2023 11:00	207360
Lithium	*	0.0015	0.0030	J	0.0021	mg/L	5	06/26/2023 12:33	207360
Selenium	NELAP	0.0006	0.0010	J	0.0008	mg/L	5	06/19/2023 11:00	207360



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
 Client Project: KIN-23Q2  
 Lab ID: 23060002-003  
 Matrix: GROUNDWATER

Work Order: 23060002  
 Report Date: 04-Aug-23  
 Client Sample ID: KIN-MW-03  
 Collection Date: 06/13/2023 10:45

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>									
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	06/19/2023 11:00	207360
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	06/21/2023 12:01	207548



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
 Client Project: KIN-23Q2  
 Lab ID: 23060002-004  
 Matrix: GROUNDWATER

Work Order: 23060002  
 Report Date: 04-Aug-23  
 Client Sample ID: KIN-MW-05  
 Collection Date: 06/13/2023 11:00

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		26.82	ft	1	06/13/2023 11:00	R330342
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		< 1.0	NTU	1	06/13/2023 11:00	R330342
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		97	mV	1	06/13/2023 11:00	R330342
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		1360	µS/cm	1	06/13/2023 11:00	R330342
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		14.5	°C	1	06/13/2023 11:00	R330342
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		1.47	mg/L	1	06/13/2023 11:00	R330342
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		6.74		1	06/13/2023 11:00	R330342
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>									
Alkalinity, Bicarbonate (as CaCO <sub>3</sub> )	NELAP	0	0		695	mg/L	1	06/19/2023 12:15	R330464
<b>STANDARD METHODS 2320 B 1997, 2011</b>									
Alkalinity, Carbonate (as CaCO <sub>3</sub> )	NELAP	0	0		0	mg/L	1	06/19/2023 12:15	R330464
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	16	20		756	mg/L	1	06/15/2023 11:03	R330392
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	6	10	J	10	mg/L	1	06/16/2023 1:11	R330335
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.18	mg/L	1	06/21/2023 10:22	R330565
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		45	mg/L	1	06/16/2023 1:13	R330374
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Arsenic	NELAP	0.0087	0.0100		< 0.0100	mg/L	1	06/21/2023 16:35	207360
Barium	NELAP	0.0007	0.0025		0.160	mg/L	1	06/21/2023 16:35	207360
Beryllium	NELAP	0.0002	0.0005		< 0.0005	mg/L	1	06/21/2023 16:35	207360
Boron	NELAP	0.0090	0.0200		0.532	mg/L	1	06/21/2023 16:35	207360
Cadmium	NELAP	0.0005	0.0020		< 0.0020	mg/L	1	06/21/2023 16:35	207360
Calcium	NELAP	0.0350	0.100		160	mg/L	1	06/21/2023 16:35	207360
Chromium	NELAP	0.0028	0.0050		< 0.0050	mg/L	1	06/21/2023 16:35	207360
Lead	NELAP	0.0040	0.0075		< 0.0075	mg/L	1	06/21/2023 16:35	207360
Magnesium	NELAP	0.0055	0.0500		82.0	mg/L	1	06/21/2023 16:35	207360
Molybdenum	NELAP	0.0037	0.0100		< 0.0100	mg/L	1	06/21/2023 16:35	207360
Potassium	NELAP	0.0400	0.100		0.576	mg/L	1	06/21/2023 16:35	207360
Sodium	NELAP	0.0180	0.0500		25.7	mg/L	1	06/21/2023 16:35	207360
<i>Sample result(s) for Si exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.</i>									
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	06/19/2023 11:05	207360
Cobalt	NELAP	0.0005	0.0010	J	0.0007	mg/L	5	06/19/2023 11:05	207360
Lithium	*	0.0015	0.0030	J	0.0030	mg/L	5	06/26/2023 12:39	207360
Selenium	NELAP	0.0006	0.0010	J	0.0006	mg/L	5	06/19/2023 11:05	207360
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	06/19/2023 11:05	207360



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q2  
Lab ID: 23060002-004  
Matrix: GROUNDWATER

Work Order: 23060002  
Report Date: 04-Aug-23  
Client Sample ID: KIN-MW-05  
Collection Date: 06/13/2023 11:00

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	06/21/2023 12:03	207548



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
 Client Project: KIN-23Q2  
 Lab ID: 23060002-005  
 Matrix: GROUNDWATER

Work Order: 23060002  
 Report Date: 04-Aug-23  
 Client Sample ID: KIN-MW-06  
 Collection Date: 06/13/2023 13:03

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		10.19	ft	1	06/13/2023 13:03	R330342
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		2.5	NTU	1	06/13/2023 13:03	R330342
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		96	mV	1	06/13/2023 13:03	R330342
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		809	µS/cm	1	06/13/2023 13:03	R330342
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		13.8	°C	1	06/13/2023 13:03	R330342
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		5.13	mg/L	1	06/13/2023 13:03	R330342
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		6.57		1	06/13/2023 13:03	R330342
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		299	mg/L	1	06/19/2023 12:23	R330464
<b>STANDARD METHODS 2320 B 1997, 2011</b>									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		0	mg/L	1	06/19/2023 12:23	R330464
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	16	20		462	mg/L	1	06/15/2023 11:03	R330392
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	31	50		126	mg/L	5	06/16/2023 1:24	R330335
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.20	mg/L	1	06/21/2023 10:25	R330565
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4	J	2	mg/L	1	06/16/2023 1:21	R330374
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Arsenic	NELAP	0.0087	0.0100		< 0.0100	mg/L	1	06/21/2023 16:37	207360
Barium	NELAP	0.0007	0.0025		0.0431	mg/L	1	06/21/2023 16:37	207360
Beryllium	NELAP	0.0002	0.0005		< 0.0005	mg/L	1	06/21/2023 16:37	207360
Boron	NELAP	0.0090	0.0200		0.996	mg/L	1	06/21/2023 16:37	207360
Cadmium	NELAP	0.0005	0.0020		< 0.0020	mg/L	1	06/21/2023 16:37	207360
Calcium	NELAP	0.0350	0.100		93.2	mg/L	1	06/21/2023 16:37	207360
Chromium	NELAP	0.0028	0.0050		< 0.0050	mg/L	1	06/21/2023 16:37	207360
Lead	NELAP	0.0040	0.0075		< 0.0075	mg/L	1	06/21/2023 16:37	207360
Magnesium	NELAP	0.0055	0.0500		39.4	mg/L	1	06/21/2023 16:37	207360
Molybdenum	NELAP	0.0037	0.0100		< 0.0100	mg/L	1	06/21/2023 16:37	207360
Potassium	NELAP	0.0400	0.100		0.253	mg/L	1	06/21/2023 16:37	207360
Sodium	NELAP	0.0180	0.0500		20.9	mg/L	1	06/21/2023 16:37	207360
<i>Sample result(s) for Si exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.</i>									
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	06/19/2023 11:36	207360
Cobalt	NELAP	0.0005	0.0010		< 0.0010	mg/L	5	06/19/2023 11:36	207360
Lithium	*	0.0015	0.0030		< 0.0030	mg/L	5	06/26/2023 12:45	207360
Selenium	NELAP	0.0006	0.0010	J	0.0006	mg/L	5	06/21/2023 1:38	207360
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	06/19/2023 11:36	207360



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q2  
Lab ID: 23060002-005  
Matrix: GROUNDWATER

Work Order: 23060002  
Report Date: 04-Aug-23  
Client Sample ID: KIN-MW-06  
Collection Date: 06/13/2023 13:03

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	06/21/2023 12:06	207548





# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
 Client Project: KIN-23Q2  
 Lab ID: 23060002-006  
 Matrix: GROUNDWATER

Work Order: 23060002  
 Report Date: 04-Aug-23  
 Client Sample ID: KIN-MW-07  
 Collection Date: 06/12/2023 15:10

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		9.95	ft	1	06/12/2023 15:10	R330342
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		< 1.0	NTU	1	06/12/2023 15:10	R330342
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		36	mV	1	06/12/2023 15:10	R330342
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		940	µS/cm	1	06/12/2023 15:10	R330342
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		13.4	°C	1	06/12/2023 15:10	R330342
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		1.02	mg/L	1	06/12/2023 15:10	R330342
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		6.87		1	06/12/2023 15:10	R330342
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		355	mg/L	1	06/19/2023 12:29	R330464
<b>STANDARD METHODS 2320 B 1997, 2011</b>									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		0	mg/L	1	06/19/2023 12:29	R330464
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	16	20		604	mg/L	1	06/13/2023 11:31	R330218
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	31	50		185	mg/L	5	06/16/2023 16:09	R330416
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.27	mg/L	1	06/21/2023 10:27	R330565
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4	J	1	mg/L	1	06/15/2023 21:02	R330374
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Arsenic	NELAP	0.0087	0.0100		< 0.0100	mg/L	1	06/19/2023 18:21	207271
Barium	NELAP	0.0007	0.0025		0.0347	mg/L	1	06/19/2023 18:21	207271
Beryllium	NELAP	0.0002	0.0005		< 0.0005	mg/L	1	06/19/2023 18:21	207271
Boron	NELAP	0.0090	0.0200		0.247	mg/L	1	06/19/2023 18:21	207271
Cadmium	NELAP	0.0005	0.0020		< 0.0020	mg/L	1	06/19/2023 18:21	207271
Calcium	NELAP	0.0350	0.100		109	mg/L	1	06/19/2023 18:21	207271
Chromium	NELAP	0.0028	0.0050		< 0.0050	mg/L	1	06/19/2023 18:21	207271
Lead	NELAP	0.0040	0.0075		< 0.0075	mg/L	1	06/19/2023 18:21	207271
Magnesium	NELAP	0.0055	0.0500		48.5	mg/L	1	06/19/2023 18:21	207271
Molybdenum	NELAP	0.0037	0.010	J	0.0045	mg/L	1	06/19/2023 18:21	207271
Potassium	NELAP	0.0400	0.100		1.45	mg/L	1	06/19/2023 18:21	207271
Sodium	NELAP	0.0180	0.0500		14.7	mg/L	1	06/19/2023 18:21	207271
<b>SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	06/15/2023 10:49	207271
Cobalt	NELAP	0.0001	0.0010	J	0.0009	mg/L	5	06/15/2023 10:49	207271
Lithium	*	0.0015	0.0030	J	0.0023	mg/L	5	06/15/2023 10:49	207271
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	06/15/2023 10:49	207271
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	06/15/2023 10:49	207271



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q2  
Lab ID: 23060002-006  
Matrix: GROUNDWATER

Work Order: 23060002  
Report Date: 04-Aug-23  
Client Sample ID: KIN-MW-07  
Collection Date: 06/12/2023 15:10

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	06/21/2023 12:08	207548



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
 Client Project: KIN-23Q2  
 Lab ID: 23060002-008  
 Matrix: GROUNDWATER

Work Order: 23060002  
 Report Date: 04-Aug-23  
 Client Sample ID: KIN-MW-08  
 Collection Date: 06/12/2023 14:10

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		9.75	ft	1	06/12/2023 14:10	R330342
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		< 1.0	NTU	1	06/12/2023 14:10	R330342
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		-22	mV	1	06/12/2023 14:10	R330342
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		1290	µS/cm	1	06/12/2023 14:10	R330342
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		13.4	°C	1	06/12/2023 14:10	R330342
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		0.83	mg/L	1	06/12/2023 14:10	R330342
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		6.45		1	06/12/2023 14:10	R330342
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>									
Alkalinity, Bicarbonate (as CaCO <sub>3</sub> )	NELAP	0	0		466	mg/L	1	06/19/2023 12:36	R330464
<b>STANDARD METHODS 2320 B 1997, 2011</b>									
Alkalinity, Carbonate (as CaCO <sub>3</sub> )	NELAP	0	0		0	mg/L	1	06/19/2023 12:36	R330464
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	16	20		812	mg/L	1	06/13/2023 11:31	R330218
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	61	100		232	mg/L	10	06/16/2023 16:30	R330416
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.22	mg/L	1	06/21/2023 10:30	R330565
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		21	mg/L	1	06/15/2023 21:37	R330374
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Arsenic	NELAP	0.0087	0.0100		< 0.0100	mg/L	1	06/19/2023 18:27	207271
Barium	NELAP	0.0007	0.0025		0.0264	mg/L	1	06/22/2023 9:34	207509
Beryllium	NELAP	0.0002	0.0005		< 0.0005	mg/L	1	06/19/2023 18:27	207271
Boron	NELAP	0.0090	0.0200		0.889	mg/L	1	06/19/2023 18:27	207271
Cadmium	NELAP	0.0005	0.0020		< 0.0020	mg/L	1	06/19/2023 18:27	207271
Calcium	NELAP	0.0350	0.100	S	138	mg/L	1	06/19/2023 18:27	207271
Chromium	NELAP	0.0028	0.0050		< 0.0050	mg/L	1	06/19/2023 18:27	207271
Lead	NELAP	0.0040	0.0075		< 0.0075	mg/L	1	06/22/2023 9:34	207509
Magnesium	NELAP	0.0055	0.0500	S	68.3	mg/L	1	06/19/2023 18:27	207271
Molybdenum	NELAP	0.0037	0.0100		< 0.0100	mg/L	1	06/19/2023 18:27	207271
Potassium	NELAP	0.0400	0.100		0.539	mg/L	1	06/19/2023 18:27	207271
Sodium	NELAP	0.0180	0.0500		29.0	mg/L	1	06/19/2023 18:27	207271
<i>Matrix spike control limits are not applicable due to high sample/spike ratio.</i>									
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	06/15/2023 11:32	207271
Cobalt	NELAP	0.0001	0.0010		0.0012	mg/L	5	06/15/2023 11:32	207271
Lithium	*	0.0015	0.0030	J	0.0017	mg/L	5	06/15/2023 11:32	207271
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	06/15/2023 11:32	207271
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	06/15/2023 11:32	207271



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q2  
Lab ID: 23060002-008  
Matrix: GROUNDWATER

Work Order: 23060002  
Report Date: 04-Aug-23  
Client Sample ID: KIN-MW-08  
Collection Date: 06/12/2023 14:10

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	06/21/2023 12:10	207548



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
 Client Project: KIN-23Q2  
 Lab ID: 23060002-010  
 Matrix: GROUNDWATER

Work Order: 23060002  
 Report Date: 04-Aug-23  
 Client Sample ID: KIN-MW-11  
 Collection Date: 06/12/2023 14:23

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		11.73	ft	1	06/12/2023 14:23	R330342
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		2.3	NTU	1	06/12/2023 14:23	R330342
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		125	mV	1	06/12/2023 14:23	R330342
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		1030	µS/cm	1	06/12/2023 14:23	R330342
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		14.6	°C	1	06/12/2023 14:23	R330342
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		0.54	mg/L	1	06/12/2023 14:23	R330342
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		6.71		1	06/12/2023 14:23	R330342
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		434	mg/L	1	06/19/2023 12:43	R330464
<b>STANDARD METHODS 2320 B 1997, 2011</b>									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		0	mg/L	1	06/19/2023 12:43	R330464
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	16	20		646	mg/L	1	06/13/2023 11:32	R330218
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	31	50		125	mg/L	5	06/15/2023 21:47	R330335
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.48	mg/L	1	06/21/2023 10:32	R330565
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		33	mg/L	1	06/15/2023 21:42	R330374
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Arsenic	NELAP	0.0087	0.0100		< 0.0100	mg/L	1	06/19/2023 18:21	207271
Barium	NELAP	0.0007	0.0025		0.126	mg/L	1	06/19/2023 18:21	207271
Beryllium	NELAP	0.0002	0.0005		< 0.0005	mg/L	1	06/19/2023 18:21	207271
Boron	NELAP	0.0090	0.0200		1.41	mg/L	1	06/19/2023 18:21	207271
Cadmium	NELAP	0.0005	0.0020		< 0.0020	mg/L	1	06/19/2023 18:21	207271
Calcium	NELAP	0.0350	0.100		108	mg/L	1	06/19/2023 18:21	207271
Chromium	NELAP	0.0028	0.0050		< 0.0050	mg/L	1	06/19/2023 18:21	207271
Lead	NELAP	0.0040	0.0075		< 0.0075	mg/L	1	06/19/2023 18:21	207271
Magnesium	NELAP	0.0055	0.0500		50.4	mg/L	1	06/19/2023 18:21	207271
Molybdenum	NELAP	0.0037	0.0100		< 0.0100	mg/L	1	06/19/2023 18:21	207271
Potassium	NELAP	0.0400	0.100		0.937	mg/L	1	06/19/2023 18:21	207271
Sodium	NELAP	0.0180	0.0500		44.3	mg/L	1	06/19/2023 18:21	207271
<b>SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	06/15/2023 10:55	207271
Cobalt	NELAP	0.0001	0.0010	J	0.0005	mg/L	5	06/15/2023 10:55	207271
Lithium	*	0.0015	0.0030	J	0.0022	mg/L	5	06/15/2023 10:55	207271
Selenium	NELAP	0.0006	0.0010		0.0011	mg/L	5	06/15/2023 10:55	207271
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	06/15/2023 10:55	207271



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q2  
Lab ID: 23060002-010  
Matrix: GROUNDWATER

Work Order: 23060002  
Report Date: 04-Aug-23  
Client Sample ID: KIN-MW-11  
Collection Date: 06/12/2023 14:23

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	06/21/2023 12:13	207548



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
 Client Project: KIN-23Q2  
 Lab ID: 23060002-011  
 Matrix: GROUNDWATER

Work Order: 23060002  
 Report Date: 04-Aug-23  
 Client Sample ID: KIN-MW-12  
 Collection Date: 06/13/2023 14:15

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		6.99	ft	1	06/13/2023 14:15	R330342
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		8.4	NTU	1	06/13/2023 14:15	R330342
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		-35	mV	1	06/13/2023 14:15	R330342
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		1630	µS/cm	1	06/13/2023 14:15	R330342
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		14.4	°C	1	06/13/2023 14:15	R330342
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		0.83	mg/L	1	06/13/2023 14:15	R330342
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		6.72		1	06/13/2023 14:15	R330342
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>									
Alkalinity, Bicarbonate (as CaCO <sub>3</sub> )	NELAP	0	0		534	mg/L	1	06/20/2023 9:40	R330488
<b>STANDARD METHODS 2320 B 1997, 2011</b>									
Alkalinity, Carbonate (as CaCO <sub>3</sub> )	NELAP	0	0		0	mg/L	1	06/20/2023 9:40	R330488
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	40	50		1080	mg/L	2.5	06/15/2023 11:03	R330392
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	61	100		378	mg/L	10	06/16/2023 16:38	R330416
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.20	mg/L	1	06/21/2023 10:42	R330565
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		31	mg/L	1	06/15/2023 21:50	R330374
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Arsenic	NELAP	0.0087	0.0100		< 0.0100	mg/L	1	06/21/2023 16:39	207360
Barium	NELAP	0.0007	0.0025		0.0944	mg/L	1	06/21/2023 16:39	207360
Beryllium	NELAP	0.0002	0.0005		< 0.0005	mg/L	1	06/21/2023 16:39	207360
Boron	NELAP	0.0090	0.0200		3.39	mg/L	1	06/21/2023 16:39	207360
Cadmium	NELAP	0.0005	0.0020		< 0.0020	mg/L	1	06/21/2023 16:39	207360
Calcium	NELAP	0.0350	0.100		210	mg/L	1	06/21/2023 16:39	207360
Chromium	NELAP	0.0028	0.0050		< 0.0050	mg/L	1	06/21/2023 16:39	207360
Lead	NELAP	0.0040	0.0075		< 0.0075	mg/L	1	06/21/2023 16:39	207360
Magnesium	NELAP	0.0055	0.0500		88.2	mg/L	1	06/21/2023 16:39	207360
Molybdenum	NELAP	0.0037	0.0100		< 0.0100	mg/L	1	06/21/2023 16:39	207360
Potassium	NELAP	0.0400	0.100		2.33	mg/L	1	06/21/2023 16:39	207360
Sodium	NELAP	0.0180	0.0500		54.6	mg/L	1	06/21/2023 16:39	207360
<i>Sample result(s) for Si exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.</i>									
<i>Contamination present in the MBLK for Al. Sample results below the reporting limit are reportable per the TNI Standard.</i>									
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	06/19/2023 11:42	207360
Cobalt	NELAP	0.0005	0.0010		< 0.0010	mg/L	5	06/19/2023 11:42	207360
Lithium	*	0.0015	0.0030		0.0102	mg/L	5	06/26/2023 12:50	207360
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	06/19/2023 11:42	207360
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	06/19/2023 11:42	207360



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q2  
Lab ID: 23060002-011  
Matrix: GROUNDWATER

Work Order: 23060002  
Report Date: 04-Aug-23  
Client Sample ID: KIN-MW-12  
Collection Date: 06/13/2023 14:15

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	06/21/2023 12:15	207548





# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
 Client Project: KIN-23Q2  
 Lab ID: 23060002-014  
 Matrix: GROUNDWATER

Work Order: 23060002  
 Report Date: 04-Aug-23  
 Client Sample ID: KIN-MW-20  
 Collection Date: 06/13/2023 9:41

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		6.40	ft	1	06/13/2023 9:41	R330342
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		4.5	NTU	1	06/13/2023 9:41	R330342
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		114	mV	1	06/13/2023 9:41	R330342
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		1120	µS/cm	1	06/13/2023 9:41	R330342
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		13.8	°C	1	06/13/2023 9:41	R330342
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		0.89	mg/L	1	06/13/2023 9:41	R330342
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		6.95		1	06/13/2023 9:41	R330342
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>									
Alkalinity, Bicarbonate (as CaCO <sub>3</sub> )	NELAP	0	0		430	mg/L	1	06/19/2023 13:08	R330464
<b>STANDARD METHODS 2320 B 1997, 2011</b>									
Alkalinity, Carbonate (as CaCO <sub>3</sub> )	NELAP	0	0		0	mg/L	1	06/19/2023 13:08	R330464
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	16	20		666	mg/L	1	06/15/2023 11:03	R330392
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	31	50		180	mg/L	5	06/15/2023 22:02	R330335
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.36	mg/L	1	06/21/2023 10:45	R330565
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		22	mg/L	1	06/15/2023 21:58	R330374
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Arsenic	NELAP	0.0087	0.0100		< 0.0100	mg/L	1	06/21/2023 16:40	207360
Barium	NELAP	0.0007	0.0025		0.121	mg/L	1	06/21/2023 16:40	207360
Beryllium	NELAP	0.0002	0.0005		< 0.0005	mg/L	1	06/21/2023 16:40	207360
Boron	NELAP	0.0090	0.0200		0.586	mg/L	1	06/21/2023 16:40	207360
Cadmium	NELAP	0.0005	0.0020		< 0.0020	mg/L	1	06/21/2023 16:40	207360
Calcium	NELAP	0.0350	0.100		133	mg/L	1	06/21/2023 16:40	207360
Chromium	NELAP	0.0028	0.0050		< 0.0050	mg/L	1	06/21/2023 16:40	207360
Lead	NELAP	0.0040	0.0075		< 0.0075	mg/L	1	06/21/2023 16:40	207360
Magnesium	NELAP	0.0055	0.0500		64.0	mg/L	1	06/21/2023 16:40	207360
Molybdenum	NELAP	0.0037	0.010	J	0.0041	mg/L	1	06/21/2023 16:40	207360
Potassium	NELAP	0.0400	0.100		1.21	mg/L	1	06/21/2023 16:40	207360
Sodium	NELAP	0.0180	0.0500		23.0	mg/L	1	06/21/2023 16:40	207360
<i>Sample result(s) for Si exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.</i>									
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	06/19/2023 11:47	207360
Cobalt	NELAP	0.0005	0.0010		0.0011	mg/L	5	06/19/2023 11:47	207360
Lithium	*	0.0015	0.0030		0.0050	mg/L	5	06/26/2023 12:56	207360
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	06/19/2023 11:47	207360
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	06/19/2023 11:47	207360



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q2  
Lab ID: 23060002-014  
Matrix: GROUNDWATER

Work Order: 23060002  
Report Date: 04-Aug-23  
Client Sample ID: KIN-MW-20  
Collection Date: 06/13/2023 9:41

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	06/21/2023 12:23	207548



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
 Client Project: KIN-23Q2  
 Lab ID: 23060002-015  
 Matrix: GROUNDWATER

Work Order: 23060002  
 Report Date: 04-Aug-23  
 Client Sample ID: KIN-MW-20#S  
 Collection Date: 06/13/2023 10:05

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		6.38	ft	1	06/13/2023 10:05	R330342
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		< 1.0	NTU	1	06/13/2023 10:05	R330342
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		105	mV	1	06/13/2023 10:05	R330342
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		1710	µS/cm	1	06/13/2023 10:05	R330342
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		14.8	°C	1	06/13/2023 10:05	R330342
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		1.25	mg/L	1	06/13/2023 10:05	R330342
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		6.77		1	06/13/2023 10:05	R330342
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		466	mg/L	1	06/19/2023 13:15	R330464
<b>STANDARD METHODS 2320 B 1997, 2011</b>									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		0	mg/L	1	06/19/2023 13:15	R330464
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	16	20		1250	mg/L	1	06/15/2023 11:04	R330392
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	123	200		519	mg/L	20	06/16/2023 17:07	R330416
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.19	mg/L	1	06/21/2023 10:47	R330565
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		14	mg/L	1	06/15/2023 22:06	R330374
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Arsenic	NELAP	0.0087	0.0100		< 0.0100	mg/L	1	06/21/2023 16:42	207360
Barium	NELAP	0.0007	0.0025		0.0370	mg/L	1	06/21/2023 16:42	207360
Beryllium	NELAP	0.0002	0.0005		< 0.0005	mg/L	1	06/21/2023 16:42	207360
Boron	NELAP	0.0090	0.0200		2.19	mg/L	1	06/21/2023 16:42	207360
Cadmium	NELAP	0.0005	0.0020		< 0.0020	mg/L	1	06/21/2023 16:42	207360
Calcium	NELAP	0.0350	0.100		204	mg/L	1	06/21/2023 16:42	207360
Chromium	NELAP	0.0028	0.0050		< 0.0050	mg/L	1	06/21/2023 16:42	207360
Lead	NELAP	0.0040	0.0075		< 0.0075	mg/L	1	06/21/2023 16:42	207360
Magnesium	NELAP	0.0055	0.0500		103	mg/L	1	06/21/2023 16:42	207360
Molybdenum	NELAP	0.0037	0.0100		< 0.0100	mg/L	1	06/21/2023 16:42	207360
Potassium	NELAP	0.0400	0.100		0.188	mg/L	1	06/21/2023 16:42	207360
Sodium	NELAP	0.0180	0.0500		29.6	mg/L	1	06/21/2023 16:42	207360
<i>Sample result(s) for Si exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.</i>									
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	06/19/2023 11:53	207360
Cobalt	NELAP	0.0005	0.0010		< 0.0010	mg/L	5	06/19/2023 11:53	207360
Lithium	*	0.0015	0.0030		< 0.0030	mg/L	5	06/26/2023 13:01	207360
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	06/19/2023 11:53	207360
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	06/19/2023 11:53	207360



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q2  
Lab ID: 23060002-015  
Matrix: GROUNDWATER

Work Order: 23060002  
Report Date: 04-Aug-23  
Client Sample ID: KIN-MW-20#S  
Collection Date: 06/13/2023 10:05

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	06/21/2023 12:31	207548



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
 Client Project: KIN-23Q2  
 Lab ID: 23060002-016  
 Matrix: GROUNDWATER

Work Order: 23060002  
 Report Date: 04-Aug-23  
 Client Sample ID: KIN-MW-23  
 Collection Date: 06/12/2023 13:35

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		16.67	ft	1	06/12/2023 13:35	R330342
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		< 1.0	NTU	1	06/12/2023 13:35	R330342
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		144	mV	1	06/12/2023 13:35	R330342
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		1100	µS/cm	1	06/12/2023 13:35	R330342
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		14.0	°C	1	06/12/2023 13:35	R330342
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		1.07	mg/L	1	06/12/2023 13:35	R330342
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		6.45		1	06/12/2023 13:35	R330342
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		508	mg/L	1	06/19/2023 13:22	R330464
<b>STANDARD METHODS 2320 B 1997, 2011</b>									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		0	mg/L	1	06/19/2023 13:22	R330464
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	16	20		634	mg/L	1	06/13/2023 11:32	R330218
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	6	10		47	mg/L	1	06/15/2023 22:26	R330335
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.36	mg/L	1	06/21/2023 10:50	R330565
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		28	mg/L	1	06/15/2023 22:27	R330374
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Arsenic	NELAP	0.0087	0.0100		< 0.0100	mg/L	1	06/19/2023 18:22	207271
Barium	NELAP	0.0007	0.0025		0.102	mg/L	1	06/19/2023 18:22	207271
Beryllium	NELAP	0.0002	0.0005		< 0.0005	mg/L	1	06/19/2023 18:22	207271
Boron	NELAP	0.0090	0.0200		1.99	mg/L	1	06/19/2023 18:22	207271
Cadmium	NELAP	0.0005	0.0020		< 0.0020	mg/L	1	06/19/2023 18:22	207271
Calcium	NELAP	0.0350	0.100		103	mg/L	1	06/19/2023 18:22	207271
Chromium	NELAP	0.0028	0.0050		< 0.0050	mg/L	1	06/19/2023 18:22	207271
Lead	NELAP	0.0040	0.0075		< 0.0075	mg/L	1	06/19/2023 18:22	207271
Magnesium	NELAP	0.0055	0.0500		50.5	mg/L	1	06/19/2023 18:22	207271
Molybdenum	NELAP	0.0037	0.0100		< 0.0100	mg/L	1	06/19/2023 18:22	207271
Potassium	NELAP	0.0400	0.100		0.448	mg/L	1	06/19/2023 18:22	207271
Sodium	NELAP	0.0180	0.0500		44.9	mg/L	1	06/19/2023 18:22	207271
<b>SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	06/15/2023 11:01	207271
Cobalt	NELAP	0.0001	0.0010	J	0.0008	mg/L	5	06/15/2023 11:01	207271
Lithium	*	0.0015	0.0030		< 0.0030	mg/L	5	06/15/2023 11:01	207271
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	06/15/2023 11:01	207271
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	06/15/2023 11:01	207271



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q2  
Lab ID: 23060002-016  
Matrix: GROUNDWATER

Work Order: 23060002  
Report Date: 04-Aug-23  
Client Sample ID: KIN-MW-23  
Collection Date: 06/12/2023 13:35

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	06/21/2023 12:34	207548



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
 Client Project: KIN-23Q2  
 Lab ID: 23060002-017  
 Matrix: GROUNDWATER

Work Order: 23060002  
 Report Date: 04-Aug-23  
 Client Sample ID: KIN-MW-27  
 Collection Date: 06/12/2023 14:37

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		14.45	ft	1	06/12/2023 14:37	R330342
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		13	NTU	1	06/12/2023 14:37	R330342
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		-48	mV	1	06/12/2023 14:37	R330342
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		1750	µS/cm	1	06/12/2023 14:37	R330342
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		13.3	°C	1	06/12/2023 14:37	R330342
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		1.17	mg/L	1	06/12/2023 14:37	R330342
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		6.72		1	06/12/2023 14:37	R330342

Client: Ramboll  
 Client Project: KIN-23Q2  
 Lab ID: 23060002-018  
 Matrix: GROUNDWATER

Work Order: 23060002  
 Report Date: 04-Aug-23  
 Client Sample ID: KIN-MW-28  
 Collection Date: 06/13/2023 13:27

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		7.42	ft	1	06/13/2023 13:27	R330342
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		< 1.0	NTU	1	06/13/2023 13:27	R330342
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		108	mV	1	06/13/2023 13:27	R330342
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		2420	µS/cm	1	06/13/2023 13:27	R330342
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		14.1	°C	1	06/13/2023 13:27	R330342
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		1.01	mg/L	1	06/13/2023 13:27	R330342
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		6.76		1	06/13/2023 13:27	R330342
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>									
Alkalinity, Bicarbonate (as CaCO <sub>3</sub> )	NELAP	0	0		466	mg/L	1	06/19/2023 13:29	R330464
<b>STANDARD METHODS 2320 B 1997, 2011</b>									
Alkalinity, Carbonate (as CaCO <sub>3</sub> )	NELAP	0	0		0	mg/L	1	06/19/2023 13:29	R330464
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	16	20		1770	mg/L	1	06/15/2023 11:04	R330392
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	123	200		951	mg/L	20	06/16/2023 17:15	R330416
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.13	mg/L	1	06/21/2023 10:51	R330565
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		15	mg/L	1	06/15/2023 22:36	R330374
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Arsenic	NELAP	0.0087	0.0100		< 0.0100	mg/L	1	06/21/2023 16:43	207360
Barium	NELAP	0.0007	0.0025		0.0271	mg/L	1	06/21/2023 16:43	207360
Beryllium	NELAP	0.0002	0.0005		< 0.0005	mg/L	1	06/21/2023 16:43	207360
Boron	NELAP	0.0090	0.0200		9.00	mg/L	1	06/21/2023 16:43	207360
Cadmium	NELAP	0.0005	0.0020		< 0.0020	mg/L	1	06/21/2023 16:43	207360
Calcium	NELAP	0.0350	0.100		286	mg/L	1	06/21/2023 16:43	207360
Chromium	NELAP	0.0028	0.0050		< 0.0050	mg/L	1	06/21/2023 16:43	207360
Lead	NELAP	0.0040	0.0075		< 0.0075	mg/L	1	06/21/2023 16:43	207360
Magnesium	NELAP	0.0055	0.0500		132	mg/L	1	06/21/2023 16:43	207360
Molybdenum	NELAP	0.0037	0.0100		< 0.0100	mg/L	1	06/21/2023 16:43	207360
Potassium	NELAP	0.0400	0.100		0.978	mg/L	1	06/21/2023 16:43	207360
Sodium	NELAP	0.0180	0.0500		128	mg/L	1	06/21/2023 16:43	207360
<i>Sample result(s) for Si exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.</i>									
<i>Contamination present in the MBLK for Al. Sample results below the reporting limit are reportable per the TNI Standard.</i>									
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	06/19/2023 11:59	207360
Cobalt	NELAP	0.0005	0.0010	J	0.0007	mg/L	5	06/19/2023 11:59	207360
Lithium	*	0.0015	0.0030		0.0061	mg/L	5	06/27/2023 8:18	207360
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	06/19/2023 11:59	207360
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	06/19/2023 11:59	207360





# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q2  
Lab ID: 23060002-018  
Matrix: GROUNDWATER

Work Order: 23060002  
Report Date: 04-Aug-23  
Client Sample ID: KIN-MW-28  
Collection Date: 06/13/2023 13:27

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	06/21/2023 12:36	207548



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
 Client Project: KIN-23Q2  
 Lab ID: 23060002-019  
 Matrix: GROUNDWATER

Work Order: 23060002  
 Report Date: 04-Aug-23  
 Client Sample ID: KIN-MW-30  
 Collection Date: 06/13/2023 12:32

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		25.20	ft	1	06/13/2023 12:32	R330342
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		7.3	NTU	1	06/13/2023 12:32	R330342
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		-17	mV	1	06/13/2023 12:32	R330342
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		1190	µS/cm	1	06/13/2023 12:32	R330342
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		14.7	°C	1	06/13/2023 12:32	R330342
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		0.83	mg/L	1	06/13/2023 12:32	R330342
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		6.67		1	06/13/2023 12:32	R330342
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>									
Alkalinity, Bicarbonate (as CaCO <sub>3</sub> )	NELAP	0	0		587	mg/L	1	06/19/2023 13:36	R330464
<b>STANDARD METHODS 2320 B 1997, 2011</b>									
Alkalinity, Carbonate (as CaCO <sub>3</sub> )	NELAP	0	0		0	mg/L	1	06/19/2023 13:36	R330464
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	16	20		612	mg/L	1	06/15/2023 11:46	R330392
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	6	10	J	7	mg/L	1	06/20/2023 11:27	R330562
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.30	mg/L	1	06/21/2023 11:40	R330565
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		44	mg/L	1	06/15/2023 22:43	R330374
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Arsenic	NELAP	0.0087	0.0100		< 0.0100	mg/L	1	06/21/2023 16:45	207360
Barium	NELAP	0.0007	0.0025		0.170	mg/L	1	06/21/2023 16:45	207360
Beryllium	NELAP	0.0002	0.0005		< 0.0005	mg/L	1	06/21/2023 16:45	207360
Boron	NELAP	0.0090	0.0200		1.15	mg/L	1	06/21/2023 16:45	207360
Cadmium	NELAP	0.0005	0.0020		< 0.0020	mg/L	1	06/21/2023 16:45	207360
Calcium	NELAP	0.0350	0.100		121	mg/L	1	06/21/2023 16:45	207360
Chromium	NELAP	0.0028	0.0050		< 0.0050	mg/L	1	06/21/2023 16:45	207360
Lead	NELAP	0.0040	0.0075		< 0.0075	mg/L	1	06/21/2023 16:45	207360
Magnesium	NELAP	0.0055	0.0500		60.0	mg/L	1	06/21/2023 16:45	207360
Molybdenum	NELAP	0.0037	0.0100		< 0.0100	mg/L	1	06/21/2023 16:45	207360
Potassium	NELAP	0.0400	0.100		0.733	mg/L	1	06/21/2023 16:45	207360
Sodium	NELAP	0.0180	0.0500		45.6	mg/L	1	06/21/2023 16:45	207360
<i>Sample result(s) for Si exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.</i>									
<i>Contamination present in the MBLK for Al. Sample results below the reporting limit are reportable per the TNI Standard.</i>									
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	06/19/2023 12:04	207360
Cobalt	NELAP	0.0005	0.0010		0.0027	mg/L	5	06/19/2023 12:04	207360
Lithium	*	0.0015	0.0030		< 0.0030	mg/L	5	06/26/2023 13:36	207360
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	06/19/2023 12:04	207360
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	06/19/2023 12:04	207360



# Laboratory Results

<http://www.teklabinc.com/>

<b>Client:</b> Ramboll	<b>Work Order:</b> 23060002
<b>Client Project:</b> KIN-23Q2	<b>Report Date:</b> 04-Aug-23
<b>Lab ID:</b> 23060002-019	<b>Client Sample ID:</b> KIN-MW-30
<b>Matrix:</b> GROUNDWATER	<b>Collection Date:</b> 06/13/2023 12:32

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>									
<i>CCV recovered outside the upper control limits for Li. Sample results are below the reporting limit. Data is reportable per the TNI standard.</i>									
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	06/21/2023 12:39	207548



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
 Client Project: KIN-23Q2  
 Lab ID: 23060002-020  
 Matrix: GROUNDWATER

Work Order: 23060002  
 Report Date: 04-Aug-23  
 Client Sample ID: KIN-MW-31  
 Collection Date: 06/13/2023 11:58

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		31.22	ft	1	06/13/2023 11:58	R330342
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		< 1.0	NTU	1	06/13/2023 11:58	R330342
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		-50	mV	1	06/13/2023 11:58	R330342
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		1200	µS/cm	1	06/13/2023 11:58	R330342
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		14.9	°C	1	06/13/2023 11:58	R330342
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		0.90	mg/L	1	06/13/2023 11:58	R330342
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		6.76		1	06/13/2023 11:58	R330342
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		591	mg/L	1	06/19/2023 13:43	R330464
<b>STANDARD METHODS 2320 B 1997, 2011</b>									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		0	mg/L	1	06/19/2023 13:43	R330464
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	40	50		600	mg/L	2.5	06/15/2023 11:46	R330392
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	6	10		< 10	mg/L	1	06/15/2023 22:51	R330335
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.16	mg/L	1	06/21/2023 10:54	R330565
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		50	mg/L	1	06/15/2023 22:51	R330374
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Arsenic	NELAP	0.0087	0.0100		< 0.0100	mg/L	1	06/21/2023 16:59	207360
Barium	NELAP	0.0007	0.0025		0.230	mg/L	1	06/21/2023 16:59	207360
Beryllium	NELAP	0.0002	0.0005		< 0.0005	mg/L	1	06/21/2023 16:59	207360
Boron	NELAP	0.0090	0.0200		0.292	mg/L	1	06/21/2023 16:59	207360
Cadmium	NELAP	0.0005	0.0020		< 0.0020	mg/L	1	06/21/2023 16:59	207360
Calcium	NELAP	0.0350	0.100	S	142	mg/L	1	06/21/2023 16:59	207360
Chromium	NELAP	0.0028	0.0050		< 0.0050	mg/L	1	06/21/2023 16:59	207360
Lead	NELAP	0.0040	0.0075		< 0.0075	mg/L	1	06/21/2023 16:59	207360
Magnesium	NELAP	0.0055	0.0500	S	65.4	mg/L	1	06/21/2023 16:59	207360
Molybdenum	NELAP	0.0037	0.0100		< 0.0100	mg/L	1	06/21/2023 16:59	207360
Potassium	NELAP	0.0400	0.100		0.835	mg/L	1	06/21/2023 16:59	207360
Sodium	NELAP	0.0180	0.0500	S	23.7	mg/L	1	06/21/2023 16:59	207360
<i>Sample result(s) for Si exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.</i>									
<i>Matrix spike control limits are not applicable due to high sample/spike ratio.</i>									
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	06/19/2023 12:16	207360
Cobalt	NELAP	0.0005	0.0010	J	0.0010	mg/L	5	06/19/2023 12:16	207360
Lithium	*	0.0015	0.0030		0.0052	mg/L	5	06/27/2023 8:52	207360
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	06/19/2023 12:16	207360
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	06/19/2023 12:16	207360



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q2  
Lab ID: 23060002-020  
Matrix: GROUNDWATER

Work Order: 23060002  
Report Date: 04-Aug-23  
Client Sample ID: KIN-MW-31  
Collection Date: 06/13/2023 11:58

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	06/21/2023 12:42	207548



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
 Client Project: KIN-23Q2  
 Lab ID: 23060002-021  
 Matrix: GROUNDWATER

Work Order: 23060002  
 Report Date: 04-Aug-23  
 Client Sample ID: KIN-MW-31#S  
 Collection Date: 06/13/2023 11:40

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		23.83	ft	1	06/13/2023 11:40	R330342
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		16	NTU	1	06/13/2023 11:40	R330342
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		-78	mV	1	06/13/2023 11:40	R330342
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		1440	µS/cm	1	06/13/2023 11:40	R330342
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		16.4	°C	1	06/13/2023 11:40	R330342
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		1.00	mg/L	1	06/13/2023 11:40	R330342
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		6.70		1	06/13/2023 11:40	R330342



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
 Client Project: KIN-23Q2  
 Lab ID: 23060002-022  
 Matrix: GROUNDWATER

Work Order: 23060002  
 Report Date: 04-Aug-23  
 Client Sample ID: KIN-MW-32  
 Collection Date: 06/13/2023 10:32

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		28.75	ft	1	06/13/2023 10:32	R330342
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		< 1.0	NTU	1	06/13/2023 10:32	R330342
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		104	mV	1	06/13/2023 10:32	R330342
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		1610	µS/cm	1	06/13/2023 10:32	R330342
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		15.6	°C	1	06/13/2023 10:32	R330342
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		1.05	mg/L	1	06/13/2023 10:32	R330342
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		6.58		1	06/13/2023 10:32	R330342
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>									
Alkalinity, Bicarbonate (as CaCO <sub>3</sub> )	NELAP	0	0		524	mg/L	1	06/19/2023 13:50	R330464
<b>STANDARD METHODS 2320 B 1997, 2011</b>									
Alkalinity, Carbonate (as CaCO <sub>3</sub> )	NELAP	0	0		0	mg/L	1	06/19/2023 13:50	R330464
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	16	20		1050	mg/L	1	06/15/2023 11:46	R330392
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	61	100		414	mg/L	10	06/16/2023 17:18	R330416
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.17	mg/L	1	06/21/2023 10:56	R330565
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		11	mg/L	1	06/15/2023 22:59	R330374
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Arsenic	NELAP	0.0087	0.0100		< 0.0100	mg/L	1	06/21/2023 16:47	207360
Barium	NELAP	0.0007	0.0025		0.0570	mg/L	1	06/21/2023 16:47	207360
Beryllium	NELAP	0.0002	0.0005		< 0.0005	mg/L	1	06/21/2023 16:47	207360
Boron	NELAP	0.0090	0.0200		1.67	mg/L	1	06/21/2023 16:47	207360
Cadmium	NELAP	0.0005	0.0020		< 0.0020	mg/L	1	06/21/2023 16:47	207360
Calcium	NELAP	0.0350	0.100		180	mg/L	1	06/21/2023 16:47	207360
Chromium	NELAP	0.0028	0.0050		< 0.0050	mg/L	1	06/21/2023 16:47	207360
Lead	NELAP	0.0040	0.0075		< 0.0075	mg/L	1	06/21/2023 16:47	207360
Magnesium	NELAP	0.0055	0.0500		90.9	mg/L	1	06/21/2023 16:47	207360
Molybdenum	NELAP	0.0037	0.0100		< 0.0100	mg/L	1	06/21/2023 16:47	207360
Potassium	NELAP	0.0400	0.100		0.422	mg/L	1	06/21/2023 16:47	207360
Sodium	NELAP	0.0180	0.0500		62.4	mg/L	1	06/21/2023 16:47	207360
<i>Sample result(s) for Si exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.</i>									
<i>Contamination present in the MBLK for Al. Sample results below the reporting limit are reportable per the TNI Standard.</i>									
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	06/19/2023 12:10	207360
Cobalt	NELAP	0.0005	0.0010	J	0.0009	mg/L	5	06/19/2023 12:10	207360
Lithium	*	0.0015	0.0030	J	0.0015	mg/L	5	06/26/2023 13:41	207360
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	06/19/2023 12:10	207360
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	06/19/2023 12:10	207360



## Laboratory Results

<http://www.teklabinc.com/>

<b>Client:</b> Ramboll	<b>Work Order:</b> 23060002
<b>Client Project:</b> KIN-23Q2	<b>Report Date:</b> 04-Aug-23
<b>Lab ID:</b> 23060002-022	<b>Client Sample ID:</b> KIN-MW-32
<b>Matrix:</b> GROUNDWATER	<b>Collection Date:</b> 06/13/2023 10:32

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>									
<i>CCV recovered outside the upper control limits for Li. Sample results are below the reporting limit. Data is reportable per the TNI standard.</i>									
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	06/21/2023 12:44	207548





# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
 Client Project: KIN-23Q2  
 Lab ID: 23060002-023  
 Matrix: GROUNDWATER

Work Order: 23060002  
 Report Date: 04-Aug-23  
 Client Sample ID: KIN-PZ4!C  
 Collection Date: 06/13/2023 11:23

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		7.15	ft	1	06/13/2023 11:23	R330342
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		3.7	NTU	1	06/13/2023 11:23	R330342
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		-118	mV	1	06/13/2023 11:23	R330342
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		971	µS/cm	1	06/13/2023 11:23	R330342
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		14.4	°C	1	06/13/2023 11:23	R330342
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		0.72	mg/L	1	06/13/2023 11:23	R330342
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		6.77		1	06/13/2023 11:23	R330342
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>									
Alkalinity, Bicarbonate (as CaCO <sub>3</sub> )	NELAP	0	0		421	mg/L	1	06/20/2023 9:54	R330488
<b>STANDARD METHODS 2320 B 1997, 2011</b>									
Alkalinity, Carbonate (as CaCO <sub>3</sub> )	NELAP	0	0		0	mg/L	1	06/20/2023 9:54	R330488
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	16	20		546	mg/L	1	06/15/2023 11:46	R330392
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	31	50		67	mg/L	5	06/15/2023 23:25	R330335
<b>SW-846 9214 (DISSOLVED)</b>									
Fluoride	NELAP	0.04	0.10		0.38	mg/L	1	06/21/2023 11:21	R330565
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.38	mg/L	1	06/21/2023 10:59	R330565
<b>SW-846 9251 (DISSOLVED)</b>									
Chloride	NELAP	1	4		40	mg/L	1	06/15/2023 19:08	R330374
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		34	mg/L	1	06/15/2023 23:21	R330374
<b>SW-846 3005A, 6010B, METALS BY ICP (DISSOLVED)</b>									
Arsenic	NELAP	0.0087	0.0100		< 0.0100	mg/L	1	06/20/2023 19:58	207442
Barium	NELAP	0.0007	0.0025		0.244	mg/L	1	06/20/2023 19:58	207442
Beryllium	NELAP	0.0002	0.0005		< 0.0005	mg/L	1	06/20/2023 19:58	207442
Boron	NELAP	0.0090	0.0200		1.42	mg/L	1	06/20/2023 19:58	207442
Cadmium	NELAP	0.0005	0.0020		< 0.0020	mg/L	1	06/20/2023 19:58	207442
Chromium	NELAP	0.0028	0.0050		< 0.0050	mg/L	1	06/20/2023 19:58	207442
Iron	NELAP	0.0200	0.0400		0.690	mg/L	1	06/20/2023 19:58	207442
Lead	NELAP	0.0040	0.0150		< 0.0150	mg/L	1	06/20/2023 19:58	207442
Molybdenum	NELAP	0.0037	0.0100		< 0.0100	mg/L	1	06/20/2023 19:58	207442
CCV recovered outside the upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI standard.									
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Arsenic	NELAP	0.0087	0.0100		< 0.0100	mg/L	1	06/21/2023 17:03	207360
Barium	NELAP	0.0007	0.0025		0.274	mg/L	1	06/21/2023 17:03	207360
Beryllium	NELAP	0.0002	0.0005		< 0.0005	mg/L	1	06/21/2023 17:03	207360
Boron	NELAP	0.0090	0.0200		1.59	mg/L	1	06/21/2023 17:03	207360



## Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23060002

Client Project: KIN-23Q2

Report Date: 04-Aug-23

Lab ID: 23060002-023

Client Sample ID: KIN-PZ4!C

Matrix: GROUNDWATER

Collection Date: 06/13/2023 11:23

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Cadmium	NELAP	0.0005	0.0020		< 0.0020	mg/L	1	06/21/2023 17:03	207360
Calcium	NELAP	0.0350	0.100		114	mg/L	1	06/21/2023 17:03	207360
Chromium	NELAP	0.0028	0.0050		< 0.0050	mg/L	1	06/21/2023 17:03	207360
Lead	NELAP	0.0040	0.0075		< 0.0075	mg/L	1	06/21/2023 17:03	207360
Magnesium	NELAP	0.0055	0.0500		44.0	mg/L	1	06/21/2023 17:03	207360
Molybdenum	NELAP	0.0037	0.0100		< 0.0100	mg/L	1	06/21/2023 17:03	207360
Potassium	NELAP	0.0400	0.100		1.04	mg/L	1	06/21/2023 17:03	207360
Sodium	NELAP	0.0180	0.0500		35.4	mg/L	1	06/21/2023 17:03	207360
<i>Sample result(s) for Si exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.</i>									
<b>SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)</b>									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	06/19/2023 13:35	207442
Cobalt	NELAP	0.0001	0.0010		< 0.0010	mg/L	5	06/19/2023 13:35	207442
Lithium	*	0.0015	0.0030		0.0054	mg/L	5	06/27/2023 9:54	207442
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	06/21/2023 1:33	207442
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	06/19/2023 13:35	207442
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010	J	0.0005	mg/L	5	06/19/2023 13:29	207360
Cobalt	NELAP	0.0005	0.0010		< 0.0010	mg/L	5	06/19/2023 13:29	207360
Lithium	*	0.0015	0.0030		0.0064	mg/L	5	06/27/2023 8:30	207360
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	06/21/2023 2:08	207360
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	06/19/2023 13:29	207360
<b>SW-846 7470A (DISSOLVED)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	06/22/2023 11:10	207599
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	06/22/2023 11:08	207599



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
 Client Project: KIN-23Q2  
 Lab ID: 23060002-024  
 Matrix: GROUNDWATER

Work Order: 23060002  
 Report Date: 04-Aug-23  
 Client Sample ID: KIN-XPW01-pore  
 Collection Date: 06/13/2023 13:23

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		24.99	ft	1	06/13/2023 13:23	R330342
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		11	NTU	1	06/13/2023 13:23	R330342
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		71	mV	1	06/13/2023 13:23	R330342
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		838	µS/cm	1	06/13/2023 13:23	R330342
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		19.7	°C	1	06/13/2023 13:23	R330342
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		1.42	mg/L	1	06/13/2023 13:23	R330342
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		7.44		1	06/13/2023 13:23	R330342
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>									
Alkalinity, Bicarbonate (as CaCO <sub>3</sub> )	NELAP	0	0		217	mg/L	1	06/20/2023 10:01	R330488
<b>STANDARD METHODS 2320 B 1997, 2011</b>									
Alkalinity, Carbonate (as CaCO <sub>3</sub> )	NELAP	0	0		0	mg/L	1	06/20/2023 10:01	R330488
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	16	20		510	mg/L	1	06/15/2023 11:47	R330392
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	31	50		205	mg/L	5	06/15/2023 23:33	R330335
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.56	mg/L	1	06/21/2023 11:08	R330565
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		22	mg/L	1	06/15/2023 23:29	R330374
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Arsenic	NELAP	0.0087	0.0100		< 0.0100	mg/L	1	06/21/2023 17:05	207360
Barium	NELAP	0.0007	0.0025		0.0893	mg/L	1	06/21/2023 17:05	207360
Beryllium	NELAP	0.0002	0.0005		< 0.0005	mg/L	1	06/21/2023 17:05	207360
Boron	NELAP	0.0090	0.0200		0.674	mg/L	1	06/21/2023 17:05	207360
Cadmium	NELAP	0.0005	0.0020		< 0.0020	mg/L	1	06/21/2023 17:05	207360
Calcium	NELAP	0.0350	0.100		81.1	mg/L	1	06/21/2023 17:05	207360
Chromium	NELAP	0.0028	0.0050		< 0.0050	mg/L	1	06/21/2023 17:05	207360
Lead	NELAP	0.0040	0.0075		< 0.0075	mg/L	1	06/21/2023 17:05	207360
Magnesium	NELAP	0.0055	0.0500		37.3	mg/L	1	06/21/2023 17:05	207360
Molybdenum	NELAP	0.0037	0.010	J	0.0045	mg/L	1	06/21/2023 17:05	207360
Potassium	NELAP	0.0400	0.100		5.83	mg/L	1	06/21/2023 17:05	207360
Sodium	NELAP	0.0180	0.0500		37.8	mg/L	1	06/21/2023 17:05	207360
<i>Sample result(s) for Si exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.</i>									
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	06/19/2023 13:41	207360
Cobalt	NELAP	0.0005	0.0010	J	0.0008	mg/L	5	06/19/2023 13:41	207360
Lithium	*	0.0015	0.0030		0.0151	mg/L	5	06/27/2023 8:35	207360
Selenium	NELAP	0.0006	0.0010		0.0211	mg/L	5	06/21/2023 2:14	207360
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	06/19/2023 13:41	207360



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q2  
Lab ID: 23060002-024  
Matrix: GROUNDWATER

Work Order: 23060002  
Report Date: 04-Aug-23  
Client Sample ID: KIN-XPW01-pore  
Collection Date: 06/13/2023 13:23

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	06/22/2023 11:13	207599



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
 Client Project: KIN-23Q2  
 Lab ID: 23060002-025  
 Matrix: GROUNDWATER

Work Order: 23060002  
 Report Date: 04-Aug-23  
 Client Sample ID: KIN-XPW02-pore  
 Collection Date: 06/13/2023 14:42

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		16.97	ft	1	06/13/2023 14:42	R330342
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		71	NTU	1	06/13/2023 14:42	R330342
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		28	mV	1	06/13/2023 14:42	R330342
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		978	µS/cm	1	06/13/2023 14:42	R330342
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		15.5	°C	1	06/13/2023 14:42	R330342
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		0.46	mg/L	1	06/13/2023 14:42	R330342
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		6.65		1	06/13/2023 14:42	R330342
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		258	mg/L	1	06/20/2023 10:08	R330488
<b>STANDARD METHODS 2320 B 1997, 2011</b>									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		0	mg/L	1	06/20/2023 10:08	R330488
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	40	50		620	mg/L	2.5	06/15/2023 11:47	R330392
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	61	100		257	mg/L	10	06/16/2023 17:26	R330416
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.31	mg/L	1	06/21/2023 11:09	R330565
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4	J	2	mg/L	1	06/15/2023 23:37	R330374
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Arsenic	NELAP	0.0087	0.0100		< 0.0100	mg/L	1	06/21/2023 17:07	207360
Barium	NELAP	0.0007	0.0025		0.0620	mg/L	1	06/21/2023 17:07	207360
Beryllium	NELAP	0.0002	0.0005		< 0.0005	mg/L	1	06/21/2023 17:07	207360
Boron	NELAP	0.0090	0.0200		3.15	mg/L	1	06/21/2023 17:07	207360
Cadmium	NELAP	0.0005	0.0020		< 0.0020	mg/L	1	06/21/2023 17:07	207360
Calcium	NELAP	0.0350	0.100		132	mg/L	1	06/21/2023 17:07	207360
Chromium	NELAP	0.0028	0.0050		< 0.0050	mg/L	1	06/21/2023 17:07	207360
Lead	NELAP	0.0040	0.0075		< 0.0075	mg/L	1	06/21/2023 17:07	207360
Magnesium	NELAP	0.0055	0.0500		24.0	mg/L	1	06/21/2023 17:07	207360
Molybdenum	NELAP	0.0037	0.0100		0.0342	mg/L	1	06/21/2023 17:07	207360
Potassium	NELAP	0.400	1.00		16.6	mg/L	10	06/22/2023 18:31	207360
Sodium	NELAP	0.0180	0.0500		36.7	mg/L	1	06/21/2023 17:07	207360
<i>Sample result(s) for Si exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.</i>									
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	06/19/2023 13:46	207360
Cobalt	NELAP	0.0005	0.0010	J	0.0009	mg/L	5	06/19/2023 13:46	207360
Lithium	*	0.0015	0.0030		0.0437	mg/L	5	06/27/2023 8:41	207360
Selenium	NELAP	0.0006	0.0010		0.0021	mg/L	5	06/21/2023 2:20	207360
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	06/19/2023 13:46	207360



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q2  
Lab ID: 23060002-025  
Matrix: GROUNDWATER

Work Order: 23060002  
Report Date: 04-Aug-23  
Client Sample ID: KIN-XPW02-pore  
Collection Date: 06/13/2023 14:42

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	06/22/2023 11:15	207599



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
 Client Project: KIN-23Q2  
 Lab ID: 23060002-026  
 Matrix: GROUNDWATER

Work Order: 23060002  
 Report Date: 04-Aug-23  
 Client Sample ID: KIN-XPW03-pore  
 Collection Date: 06/13/2023 12:49

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		15.54	ft	1	06/13/2023 12:49	R330342
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		160	NTU	1	06/13/2023 12:49	R330342
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		47	mV	1	06/13/2023 12:49	R330342
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		2080	µS/cm	1	06/13/2023 12:49	R330342
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		16.2	°C	1	06/13/2023 12:49	R330342
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		0.56	mg/L	1	06/13/2023 12:49	R330342
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		6.88		1	06/13/2023 12:49	R330342
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		402	mg/L	1	06/20/2023 10:14	R330488
<b>STANDARD METHODS 2320 B 1997, 2011</b>									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		0	mg/L	1	06/20/2023 10:14	R330488
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	40	50		1280	mg/L	2.5	06/15/2023 11:47	R330392
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	123	200		699	mg/L	20	06/16/2023 17:39	R330416
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.61	mg/L	1	06/21/2023 11:11	R330565
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4	J	2	mg/L	1	06/15/2023 23:45	R330374
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Arsenic	NELAP	0.0087	0.0100		0.0104	mg/L	1	06/21/2023 17:08	207360
Barium	NELAP	0.0007	0.0025		0.0526	mg/L	1	06/21/2023 17:08	207360
Beryllium	NELAP	0.0002	0.0005		< 0.0005	mg/L	1	06/21/2023 17:08	207360
Boron	NELAP	0.0090	0.0200		3.03	mg/L	1	06/21/2023 17:08	207360
Cadmium	NELAP	0.0005	0.0020	J	0.0005	mg/L	1	06/21/2023 17:08	207360
Calcium	NELAP	0.0350	0.100		151	mg/L	1	06/21/2023 17:08	207360
Chromium	NELAP	0.0028	0.0050		< 0.0050	mg/L	1	06/21/2023 17:08	207360
Lead	NELAP	0.0040	0.0075		< 0.0075	mg/L	1	06/21/2023 17:08	207360
Magnesium	NELAP	0.0055	0.0500		51.8	mg/L	1	06/21/2023 17:08	207360
Molybdenum	NELAP	0.0037	0.0100		0.0443	mg/L	1	06/21/2023 17:08	207360
Potassium	NELAP	0.400	1.00		14.5	mg/L	10	06/22/2023 18:33	207360
Sodium	NELAP	0.0180	0.0500		249	mg/L	1	06/21/2023 17:08	207360
<i>Sample result(s) for Al and Si exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.</i>									
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	06/19/2023 13:52	207360
Cobalt	NELAP	0.0005	0.0010		0.0039	mg/L	5	06/19/2023 13:52	207360
Lithium	*	0.0015	0.0030		0.0215	mg/L	5	06/27/2023 8:46	207360
Selenium	NELAP	0.0006	0.0010		0.0032	mg/L	5	06/21/2023 2:26	207360
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	06/19/2023 13:52	207360



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q2  
Lab ID: 23060002-026  
Matrix: GROUNDWATER

Work Order: 23060002  
Report Date: 04-Aug-23  
Client Sample ID: KIN-XPW03-pore  
Collection Date: 06/13/2023 12:49

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020	S	< 0.00020	mg/L	1	06/22/2023 11:18	207599

*Matrix spike did not recover within control limits due to matrix interference. Verified by bench spike.*





# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
 Client Project: KIN-23Q2  
 Lab ID: 23060002-027  
 Matrix: GROUNDWATER

Work Order: 23060002  
 Report Date: 04-Aug-23  
 Client Sample ID: KIN-XPW04-pore  
 Collection Date: 06/13/2023 12:11

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		3.94	ft	1	06/13/2023 12:11	R330342
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		47	NTU	1	06/13/2023 12:11	R330342
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		-22	mV	1	06/13/2023 12:11	R330342
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		618	µS/cm	1	06/13/2023 12:11	R330342
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		10.5	°C	1	06/13/2023 12:11	R330342
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		0.52	mg/L	1	06/13/2023 12:11	R330342
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		6.79		1	06/13/2023 12:11	R330342
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>									
Alkalinity, Bicarbonate (as CaCO <sub>3</sub> )	NELAP	0	0		252	mg/L	1	06/20/2023 10:20	R330488
<b>STANDARD METHODS 2320 B 1997, 2011</b>									
Alkalinity, Carbonate (as CaCO <sub>3</sub> )	NELAP	0	0		0	mg/L	1	06/20/2023 10:20	R330488
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	40	50		340	mg/L	2.5	06/15/2023 11:47	R330392
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	6	10		29	mg/L	1	06/15/2023 23:51	R330335
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.39	mg/L	1	06/21/2023 11:13	R330565
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		12	mg/L	1	06/15/2023 23:53	R330374
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Arsenic	NELAP	0.0087	0.0100		< 0.0100	mg/L	1	06/21/2023 17:10	207360
Barium	NELAP	0.0007	0.0025		0.0953	mg/L	1	06/21/2023 17:10	207360
Beryllium	NELAP	0.0002	0.0005		< 0.0005	mg/L	1	06/21/2023 17:10	207360
Boron	NELAP	0.0090	0.0200		1.18	mg/L	1	06/21/2023 17:10	207360
Cadmium	NELAP	0.0005	0.0020		< 0.0020	mg/L	1	06/21/2023 17:10	207360
Calcium	NELAP	0.0350	0.100		50.7	mg/L	1	06/21/2023 17:10	207360
Chromium	NELAP	0.0028	0.0050		< 0.0050	mg/L	1	06/21/2023 17:10	207360
Lead	NELAP	0.0040	0.0075		< 0.0075	mg/L	1	06/21/2023 17:10	207360
Magnesium	NELAP	0.0055	0.0500		24.1	mg/L	1	06/21/2023 17:10	207360
Molybdenum	NELAP	0.0037	0.010	J	0.0066	mg/L	1	06/21/2023 17:10	207360
Potassium	NELAP	0.0400	0.100		5.01	mg/L	1	06/21/2023 17:10	207360
Sodium	NELAP	0.0180	0.0500		29.9	mg/L	1	06/21/2023 17:10	207360
<i>Sample result(s) for Si exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.</i>									
<i>Contamination present in the MBLK for Al. Sample results below the reporting limit are reportable per the TNI Standard.</i>									
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	06/19/2023 13:58	207360
Cobalt	NELAP	0.0005	0.0010		< 0.0010	mg/L	5	06/19/2023 13:58	207360
Lithium	*	0.0015	0.0030		0.0166	mg/L	5	06/27/2023 10:00	207360
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	06/19/2023 13:58	207360
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	06/19/2023 13:58	207360



## Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
 Client Project: KIN-23Q2  
 Lab ID: 23060002-027  
 Matrix: GROUNDWATER

Work Order: 23060002  
 Report Date: 04-Aug-23  
 Client Sample ID: KIN-XPW04-pore  
 Collection Date: 06/13/2023 12:11

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>									
<i>CCV recovered outside the upper control limits for Se. Sample results are below the reporting limit. Data is reportable per the TNI standard.</i>									
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	06/22/2023 11:30	207599



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q2

Work Order: 23060002  
Report Date: 04-Aug-23

Lab ID: 23060002-028

Client Sample ID: KIN-XSG-01

Matrix: GROUNDWATER

Collection Date: 06/12/2023 11:21

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		3.33	ft	1	06/12/2023 11:21	R330342



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q2  
Lab ID: 23060002-029  
Matrix: GROUNDWATER

Work Order: 23060002  
Report Date: 04-Aug-23  
Client Sample ID: KIN-YSG-02  
Collection Date: 06/12/2023 11:15

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		8.73	ft	1	06/12/2023 11:15	R330342



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
 Client Project: KIN-23Q2  
 Lab ID: 23060002-030  
 Matrix: GROUNDWATER

Work Order: 23060002  
 Report Date: 04-Aug-23  
 Client Sample ID: KIN-MW-08 Duplicate  
 Collection Date: 06/12/2023 14:10

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		9.75	ft	1	06/12/2023 14:10	R330342
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		< 1.0	NTU	1	06/12/2023 14:10	R330342
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		-22	mV	1	06/12/2023 14:10	R330342
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		1290	µS/cm	1	06/12/2023 14:10	R330342
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		13.4	°C	1	06/12/2023 14:10	R330342
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		0.83	mg/L	1	06/12/2023 14:10	R330342
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		6.45		1	06/12/2023 14:10	R330342
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		467	mg/L	1	06/20/2023 10:26	R330488
<b>STANDARD METHODS 2320 B 1997, 2011</b>									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		0	mg/L	1	06/20/2023 10:26	R330488
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	16	20		810	mg/L	1	06/13/2023 11:32	R330218
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	61	100		230	mg/L	10	06/16/2023 17:58	R330416
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.21	mg/L	1	06/21/2023 11:16	R330565
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		21	mg/L	1	06/16/2023 0:14	R330374
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Arsenic	NELAP	0.0087	0.0100		< 0.0100	mg/L	1	06/21/2023 17:11	207360
Barium	NELAP	0.0007	0.0025		0.0267	mg/L	1	06/21/2023 17:11	207360
Beryllium	NELAP	0.0002	0.0005		< 0.0005	mg/L	1	06/21/2023 17:11	207360
Boron	NELAP	0.0090	0.0200		0.952	mg/L	1	06/21/2023 17:11	207360
Cadmium	NELAP	0.0005	0.0020		< 0.0020	mg/L	1	06/21/2023 17:11	207360
Calcium	NELAP	0.0350	0.100		156	mg/L	1	06/21/2023 17:11	207360
Chromium	NELAP	0.0028	0.0050		< 0.0050	mg/L	1	06/21/2023 17:11	207360
Lead	NELAP	0.0040	0.0075		< 0.0075	mg/L	1	06/21/2023 17:11	207360
Magnesium	NELAP	0.0055	0.0500		70.1	mg/L	1	06/21/2023 17:11	207360
Molybdenum	NELAP	0.0037	0.0100		< 0.0100	mg/L	1	06/21/2023 17:11	207360
Potassium	NELAP	0.0400	0.100		0.540	mg/L	1	06/21/2023 17:11	207360
Sodium	NELAP	0.0180	0.0500		27.8	mg/L	1	06/21/2023 17:11	207360
<i>Sample result(s) for Si exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.</i>									
<i>Contamination present in the MBLK for Al. Sample results below the reporting limit are reportable per the TNI Standard.</i>									
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	06/19/2023 14:03	207360
Cobalt	NELAP	0.0005	0.0010		0.0021	mg/L	5	06/19/2023 14:03	207360
Lithium	*	0.0015	0.0030	J	0.0022	mg/L	5	06/26/2023 15:28	207360
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	06/19/2023 14:03	207360
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	06/19/2023 14:03	207360



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
 Client Project: KIN-23Q2  
 Lab ID: 23060002-030  
 Matrix: GROUNDWATER

Work Order: 23060002  
 Report Date: 04-Aug-23  
 Client Sample ID: KIN-MW-08 Duplicate  
 Collection Date: 06/12/2023 14:10

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>									
<i>CCV recovered outside the upper control limits for Li. Sample results are below the reporting limit. Data is reportable per the TNI standard.</i>									
<i>CCV recovered outside the upper control limits for Se. Sample results are below the reporting limit. Data is reportable per the TNI standard.</i>									
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	06/22/2023 11:32	207599

Client: Ramboll  
 Client Project: KIN-23Q2  
 Lab ID: 23060002-031  
 Matrix: AQUEOUS

Work Order: 23060002  
 Report Date: 04-Aug-23  
 Client Sample ID: Field Blank  
 Collection Date: 06/13/2023 13:54

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>									
Alkalinity, Bicarbonate (as CaCO <sub>3</sub> )	NELAP	0	0		1	mg/L	1	06/20/2023 10:33	R330488
<b>STANDARD METHODS 2320 B 1997, 2011</b>									
Alkalinity, Carbonate (as CaCO <sub>3</sub> )	NELAP	0	0		0	mg/L	1	06/20/2023 10:33	R330488
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	16	20		< 20	mg/L	1	06/15/2023 11:48	R330392
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	6	10		< 10	mg/L	1	06/16/2023 18:06	R330416
<b>SW-846 9214 (DISSOLVED)</b>									
Fluoride	NELAP	0.04	0.10		< 0.10	mg/L	1	06/21/2023 11:29	R330565
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		< 0.10	mg/L	1	06/21/2023 11:18	R330565
<b>SW-846 9251 (DISSOLVED)</b>									
Chloride	NELAP	1	4		< 4	mg/L	1	06/16/2023 0:30	R330374
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		< 4	mg/L	1	06/16/2023 0:22	R330374
<b>SW-846 3005A, 6010B, METALS BY ICP (DISSOLVED)</b>									
Arsenic	NELAP	0.0087	0.0100		< 0.0100	mg/L	1	06/26/2023 9:09	207505
Barium	NELAP	0.0007	0.0025		< 0.0025	mg/L	1	06/26/2023 9:09	207505
Beryllium	NELAP	0.0002	0.0005		< 0.0005	mg/L	1	06/26/2023 9:09	207505
Boron	NELAP	0.0090	0.0200		< 0.0200	mg/L	1	06/26/2023 9:09	207505
Cadmium	NELAP	0.0005	0.0020		< 0.0020	mg/L	1	06/26/2023 9:09	207505
Chromium	NELAP	0.0028	0.0050		< 0.0050	mg/L	1	06/21/2023 17:03	207505
Iron	NELAP	0.0200	0.0400		< 0.0400	mg/L	1	06/21/2023 17:03	207505
Lead	NELAP	0.0040	0.0150		< 0.0150	mg/L	1	06/26/2023 9:09	207505
Molybdenum	NELAP	0.0037	0.0100		< 0.0100	mg/L	1	06/26/2023 9:09	207505
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Arsenic	NELAP	0.0087	0.0100		< 0.0100	mg/L	1	06/21/2023 17:24	207360
Barium	NELAP	0.0007	0.0025		< 0.0025	mg/L	1	06/21/2023 17:24	207360
Beryllium	NELAP	0.0002	0.0005		< 0.0005	mg/L	1	06/21/2023 17:24	207360
Boron	NELAP	0.0090	0.0200		< 0.0200	mg/L	1	06/21/2023 17:24	207360
Cadmium	NELAP	0.0005	0.0020		< 0.0020	mg/L	1	06/21/2023 17:24	207360
Calcium	NELAP	0.0350	0.100		< 0.100	mg/L	1	06/21/2023 17:24	207360
Chromium	NELAP	0.0028	0.0050		< 0.0050	mg/L	1	06/21/2023 17:24	207360
Lead	NELAP	0.0040	0.0075		< 0.0075	mg/L	1	06/21/2023 17:24	207360
Magnesium	NELAP	0.0055	0.0500		< 0.0500	mg/L	1	06/21/2023 17:24	207360
Molybdenum	NELAP	0.0037	0.0100		< 0.0100	mg/L	1	06/21/2023 17:24	207360
Potassium	NELAP	0.0400	0.100		< 0.100	mg/L	1	06/21/2023 17:24	207360
Sodium	NELAP	0.0180	0.0500		< 0.0500	mg/L	1	06/21/2023 17:24	207360
<i>Contamination present in the MBLK for Al and Si Sample results below the reporting limit are reportable per the TNI Standard.</i>									
<b>SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)</b>									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	06/21/2023 10:52	207505
Cobalt	NELAP	0.0001	0.0010		< 0.0010	mg/L	5	06/21/2023 10:52	207505
Lithium	*	0.0015	0.0030		< 0.0030	mg/L	5	06/21/2023 10:52	207505
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	06/21/2023 10:52	207505
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	06/21/2023 10:52	207505



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
 Client Project: KIN-23Q2  
 Lab ID: 23060002-031  
 Matrix: AQUEOUS

Work Order: 23060002  
 Report Date: 04-Aug-23  
 Client Sample ID: Field Blank  
 Collection Date: 06/13/2023 13:54

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	06/19/2023 14:09	207360
Cobalt	NELAP	0.0005	0.0010		< 0.0010	mg/L	5	06/19/2023 14:09	207360
Lithium	*	0.0015	0.0030		< 0.0030	mg/L	5	06/26/2023 15:17	207360
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	06/19/2023 14:09	207360
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	06/19/2023 14:09	207360
CCV recovered outside the upper control limits for Li. Sample results are below the reporting limit. Data is reportable per the TNI standard.									
CCV recovered outside the upper control limits for Se. Sample results are below the reporting limit. Data is reportable per the TNI standard.									
<b>SW-846 7470A (DISSOLVED)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	06/22/2023 11:37	207599
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	06/22/2023 11:35	207599





## Sample Summary

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23060002

Client Project: KIN-23Q2

Report Date: 04-Aug-23

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
23060002-001	KIN-MW-01	Groundwater	6	06/12/2023 12:33
23060002-002	KIN-MW-02	Groundwater	6	06/12/2023 13:16
23060002-003	KIN-MW-03	Groundwater	6	06/13/2023 10:45
23060002-004	KIN-MW-05	Groundwater	6	06/13/2023 11:00
23060002-005	KIN-MW-06	Groundwater	6	06/13/2023 13:03
23060002-006	KIN-MW-07	Groundwater	6	06/12/2023 15:10
23060002-007	KIN-MW-07#S	Groundwater	6	06/12/2023 0:00
23060002-008	KIN-MW-08	Groundwater	6	06/12/2023 14:10
23060002-009	KIN-MW-08#S	Groundwater	6	06/12/2023 0:00
23060002-010	KIN-MW-11	Groundwater	6	06/12/2023 14:23
23060002-011	KIN-MW-12	Groundwater	6	06/13/2023 14:15
23060002-014	KIN-MW-20	Groundwater	6	06/13/2023 9:41
23060002-015	KIN-MW-20#S	Groundwater	6	06/13/2023 10:05
23060002-016	KIN-MW-23	Groundwater	6	06/12/2023 13:35
23060002-017	KIN-MW-27	Groundwater	6	06/12/2023 14:37
23060002-018	KIN-MW-28	Groundwater	6	06/13/2023 13:27
23060002-019	KIN-MW-30	Groundwater	6	06/13/2023 12:32
23060002-020	KIN-MW-31	Groundwater	6	06/13/2023 11:58
23060002-021	KIN-MW-31#S	Groundwater	6	06/13/2023 11:40
23060002-022	KIN-MW-32	Groundwater	6	06/13/2023 10:32
23060002-023	KIN-PZ4!C	Groundwater	6	06/13/2023 11:23
23060002-024	KIN-XPW01-pore	Groundwater	6	06/13/2023 13:23
23060002-025	KIN-XPW02-pore	Groundwater	6	06/13/2023 14:42
23060002-026	KIN-XPW03-pore	Groundwater	6	06/13/2023 12:49
23060002-027	KIN-XPW04-pore	Groundwater	6	06/13/2023 12:11
23060002-028	KIN-XSG-01	Groundwater	1	06/12/2023 11:21
23060002-029	KIN-YSG-02	Groundwater	1	06/12/2023 11:15
23060002-030	KIN-MW-08 Duplicate	Groundwater	6	06/12/2023 14:10
23060002-031	Field Blank	Aqueous	6	06/13/2023 13:54



## Dates Report

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23060002

Client Project: KIN-23Q2

Report Date: 04-Aug-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
Test Name					
23060002-001A	KIN-MW-01	06/12/2023 12:33	06/12/2023 17:20		
	Ferrous Iron by CHEMets Kit				06/12/2023 12:33
	Field Elevation Measurements				06/12/2023 12:33
	Standard Methods 2130 B Field				06/12/2023 12:33
	Standard Methods 18th Ed. 2580 B Field				06/12/2023 12:33
	Standard Methods 2320 B (Total) 1997, 2011				06/19/2023 11:57
	Standard Methods 2320 B 1997, 2011				06/19/2023 11:57
	Standard Methods 2510 B Field				06/12/2023 12:33
	Standard Methods 2540 C (Total) 1997, 2011				06/13/2023 11:30
	Standard Methods 2550 B Field				06/12/2023 12:33
	Standard Methods 4500-NO2 B (Total) 2000, 2011				06/13/2023 18:13
	Standard Methods 4500-NO3 F (Total) 2000, 2011				06/13/2023 15:18
	Standard Methods 4500-NO3 F (Total) 2000, 2011				06/13/2023 15:18
	Standard Methods 4500-O G Field				06/12/2023 12:33
	Standard Methods 4500-P E 1999				06/13/2023 15:12
	Standard Methods 4500-P E 1999, 2011				06/13/2023 15:12
	SW-846 9036 (Total)				06/15/2023 20:13
	SW-846 9040B Field				06/12/2023 12:33
	SW-846 9214 (Total)				06/21/2023 10:15
	SW-846 9251 (Total)				06/15/2023 20:09
23060002-001B	KIN-MW-01	06/12/2023 12:33	06/12/2023 17:20		
	Standard Methods 2320 B (Dissolved) 1997, 2011				06/19/2023 9:00
	Standard Methods 2320 B (Dissolved) 1997, 2011				06/19/2023 9:00
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				06/13/2023 18:01
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				06/13/2023 14:43
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				06/13/2023 14:43
	Standard Methods 4500-P E (Dissolved) 1999, 2011				06/13/2023 14:50
	Standard Methods 4500-P E (Dissolved) 1999				06/13/2023 14:50
	SW-846 9036 (Dissolved)				06/17/2023 2:03
	SW-846 9251 (Dissolved)				06/17/2023 1:53
23060002-001C	KIN-MW-01	06/12/2023 12:33	06/12/2023 17:20		
	SW-846 3005A, 6010B, Metals by ICP (Total)			06/13/2023 22:22	06/19/2023 18:19
	SW-846 3005A, 6010B, Metals by ICP (Total)			06/13/2023 22:22	06/26/2023 9:15
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/13/2023 22:22	06/15/2023 10:37
	SW-846 7470A (Total)			06/20/2023 16:11	06/21/2023 11:56
23060002-001D	KIN-MW-01	06/12/2023 12:33	06/12/2023 17:20		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			06/18/2023 11:30	06/20/2023 13:19



## Dates Report

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23060002

Client Project: KIN-23Q2

Report Date: 04-Aug-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	Test Name				
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			06/18/2023 11:30	06/20/2023 17:48
23060002-001E	KIN-MW-01	06/12/2023 12:33	06/12/2023 17:20		
	SW-846 9060A				06/14/2023 17:12
23060002-001F	KIN-MW-01	06/12/2023 12:33	06/12/2023 17:20		
	SW-846 9060A				06/14/2023 15:18
23060002-002A	KIN-MW-02	06/12/2023 13:16	06/12/2023 17:20		
	Ferrous Iron by CHEMets Kit				06/12/2023 13:16
	Field Elevation Measurements				06/12/2023 13:16
	Standard Methods 2130 B Field				06/12/2023 13:16
	Standard Methods 18th Ed. 2580 B Field				06/12/2023 13:16
	Standard Methods 2320 B (Total) 1997, 2011				06/19/2023 12:02
	Standard Methods 2320 B 1997, 2011				06/19/2023 12:02
	Standard Methods 2510 B Field				06/12/2023 13:16
	Standard Methods 2540 C (Total) 1997, 2011				06/13/2023 11:31
	Standard Methods 2550 B Field				06/12/2023 13:16
	Standard Methods 4500-NO2 B (Total) 2000, 2011				06/13/2023 18:14
	Standard Methods 4500-NO3 F (Total) 2000, 2011				06/13/2023 15:20
	Standard Methods 4500-NO3 F (Total) 2000, 2011				06/13/2023 15:20
	Standard Methods 4500-O G Field				06/12/2023 13:16
	Standard Methods 4500-P E 1999				06/13/2023 15:18
	Standard Methods 4500-P E 1999, 2011				06/13/2023 15:18
	SW-846 9036 (Total)				06/15/2023 20:43
	SW-846 9040B Field				06/12/2023 13:16
	SW-846 9214 (Total)				06/21/2023 10:18
	SW-846 9251 (Total)				06/15/2023 20:20
23060002-002B	KIN-MW-02	06/12/2023 13:16	06/12/2023 17:20		
	Standard Methods 2320 B (Dissolved) 1997, 2011				06/19/2023 9:06
	Standard Methods 2320 B (Dissolved) 1997, 2011				06/19/2023 9:06
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				06/13/2023 18:01
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				06/13/2023 14:52
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				06/13/2023 14:52
	Standard Methods 4500-P E (Dissolved) 1999, 2011				06/13/2023 14:52
	Standard Methods 4500-P E (Dissolved) 1999				06/13/2023 14:52
	SW-846 9036 (Dissolved)				06/15/2023 15:53
	SW-846 9251 (Dissolved)				06/15/2023 15:48
23060002-002C	KIN-MW-02	06/12/2023 13:16	06/12/2023 17:20		
	SW-846 3005A, 6010B, Metals by ICP (Total)			06/13/2023 22:22	06/19/2023 18:20



## Dates Report

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23060002

Client Project: KIN-23Q2

Report Date: 04-Aug-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	<b>Test Name</b>				
	SW-846 3005A, 6010B, Metals by ICP (Total)			06/13/2023 22:22	06/26/2023 9:16
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/13/2023 22:22	06/15/2023 10:43
	SW-846 7470A (Total)			06/20/2023 16:11	06/21/2023 11:59
23060002-002D	KIN-MW-02	06/12/2023 13:16	06/12/2023 17:20		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			06/18/2023 11:30	06/20/2023 13:23
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			06/18/2023 11:30	06/20/2023 17:52
23060002-002E	KIN-MW-02	06/12/2023 13:16	06/12/2023 17:20		
	SW-846 9060A				06/14/2023 17:18
23060002-002F	KIN-MW-02	06/12/2023 13:16	06/12/2023 17:20		
	SW-846 9060A				06/14/2023 16:34
23060002-003A	KIN-MW-03	06/13/2023 10:45	06/13/2023 17:15		
	Ferrous Iron by CHEMets Kit				06/13/2023 10:45
	Field Elevation Measurements				06/13/2023 10:45
	Standard Methods 2130 B Field				06/13/2023 10:45
	Standard Methods 18th Ed. 2580 B Field				06/13/2023 10:45
	Standard Methods 2320 B (Total) 1997, 2011				06/19/2023 12:08
	Standard Methods 2320 B 1997, 2011				06/19/2023 12:08
	Standard Methods 2510 B Field				06/13/2023 10:45
	Standard Methods 2540 C (Total) 1997, 2011				06/15/2023 11:02
	Standard Methods 2550 B Field				06/13/2023 10:45
	Standard Methods 4500-NO2 B (Total) 2000, 2011				06/14/2023 13:43
	Standard Methods 4500-NO3 F (Total) 2000, 2011				06/14/2023 14:02
	Standard Methods 4500-NO3 F (Total) 2000, 2011				06/14/2023 14:02
	Standard Methods 4500-O G Field				06/13/2023 10:45
	Standard Methods 4500-P E 1999				06/15/2023 7:08
	Standard Methods 4500-P E 1999, 2011				06/15/2023 7:08
	SW-846 9036 (Total)				06/16/2023 1:02
	SW-846 9040B Field				06/13/2023 10:45
	SW-846 9214 (Total)				06/21/2023 10:20
	SW-846 9251 (Total)				06/16/2023 0:38
23060002-003B	KIN-MW-03	06/13/2023 10:45	06/13/2023 17:15		
	Standard Methods 2320 B (Dissolved) 1997, 2011				06/19/2023 9:11
	Standard Methods 2320 B (Dissolved) 1997, 2011				06/19/2023 9:11
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				06/14/2023 14:01
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				06/14/2023 15:01
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				06/14/2023 15:01
	Standard Methods 4500-P E (Dissolved) 1999, 2011				06/15/2023 7:18



## Dates Report

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23060002

Client Project: KIN-23Q2

Report Date: 04-Aug-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	Test Name				
	Standard Methods 4500-P E (Dissolved) 1999				06/15/2023 7:18
	SW-846 9036 (Dissolved)				06/15/2023 16:01
	SW-846 9251 (Dissolved)				06/15/2023 15:56
23060002-003C	KIN-MW-03	06/13/2023 10:45	06/13/2023 17:15		
	SW-846 3005A, 6010B, Metals by ICP (Total)			06/15/2023 16:33	06/20/2023 21:13
	SW-846 3005A, 6010B, Metals by ICP (Total)			06/15/2023 16:33	06/21/2023 16:34
	SW-846 3005A, 6010B, Metals by ICP (Total)			06/22/2023 19:07	06/23/2023 12:37
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/15/2023 16:33	06/19/2023 11:00
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/15/2023 16:33	06/26/2023 12:33
	SW-846 7470A (Total)			06/20/2023 16:11	06/21/2023 12:01
23060002-003D	KIN-MW-03	06/13/2023 10:45	06/13/2023 17:15		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			06/18/2023 11:30	06/20/2023 13:27
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			06/18/2023 11:30	06/20/2023 17:56
23060002-003E	KIN-MW-03	06/13/2023 10:45	06/13/2023 17:15		
	SW-846 9060A				06/19/2023 20:10
23060002-003F	KIN-MW-03	06/13/2023 10:45	06/13/2023 17:15		
	SW-846 9060A				06/21/2023 11:27
23060002-004A	KIN-MW-05	06/13/2023 11:00	06/13/2023 17:15		
	Ferrous Iron by CHEMets Kit				06/13/2023 11:00
	Field Elevation Measurements				06/13/2023 11:00
	Standard Methods 2130 B Field				06/13/2023 11:00
	Standard Methods 18th Ed. 2580 B Field				06/13/2023 11:00
	Standard Methods 2320 B (Total) 1997, 2011				06/19/2023 12:15
	Standard Methods 2320 B 1997, 2011				06/19/2023 12:15
	Standard Methods 2510 B Field				06/13/2023 11:00
	Standard Methods 2540 C (Total) 1997, 2011				06/15/2023 11:03
	Standard Methods 2550 B Field				06/13/2023 11:00
	Standard Methods 4500-NO2 B (Total) 2000, 2011				06/14/2023 13:45
	Standard Methods 4500-NO3 F (Total) 2000, 2011				06/14/2023 14:11
	Standard Methods 4500-NO3 F (Total) 2000, 2011				06/14/2023 14:11
	Standard Methods 4500-O G Field				06/13/2023 11:00
	Standard Methods 4500-P E 1999				06/15/2023 7:09
	Standard Methods 4500-P E 1999, 2011				06/15/2023 7:09
	SW-846 9036 (Total)				06/16/2023 1:11
	SW-846 9040B Field				06/13/2023 11:00
	SW-846 9214 (Total)				06/21/2023 10:22
	SW-846 9251 (Total)				06/16/2023 1:13



## Dates Report

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23060002

Client Project: KIN-23Q2

Report Date: 04-Aug-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
Test Name					
23060002-004B	KIN-MW-05	06/13/2023 11:00	06/13/2023 17:15		
	Standard Methods 2320 B (Dissolved) 1997, 2011				06/19/2023 9:17
	Standard Methods 2320 B (Dissolved) 1997, 2011				06/19/2023 9:17
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				06/14/2023 14:02
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				06/14/2023 15:17
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				06/14/2023 15:17
	Standard Methods 4500-P E (Dissolved) 1999, 2011				06/15/2023 7:19
	Standard Methods 4500-P E (Dissolved) 1999				06/15/2023 7:19
	SW-846 9036 (Dissolved)				06/15/2023 16:02
	SW-846 9251 (Dissolved)				06/15/2023 16:04
23060002-004C	KIN-MW-05	06/13/2023 11:00	06/13/2023 17:15		
	SW-846 3005A, 6010B, Metals by ICP (Total)			06/15/2023 16:33	06/21/2023 16:35
	SW-846 3005A, 6010B, Metals by ICP (Total)			06/22/2023 19:07	06/23/2023 12:38
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/15/2023 16:33	06/19/2023 11:05
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/15/2023 16:33	06/26/2023 12:39
	SW-846 7470A (Total)			06/20/2023 16:11	06/21/2023 12:03
23060002-004D	KIN-MW-05	06/13/2023 11:00	06/13/2023 17:15		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			06/18/2023 11:30	06/20/2023 18:22
23060002-004E	KIN-MW-05	06/13/2023 11:00	06/13/2023 17:15		
	SW-846 9060A				06/19/2023 20:30
23060002-004F	KIN-MW-05	06/13/2023 11:00	06/13/2023 17:15		
	SW-846 9060A				06/19/2023 17:20
23060002-005A	KIN-MW-06	06/13/2023 13:03	06/13/2023 17:15		
	Ferrous Iron by CHEMets Kit				06/13/2023 13:03
	Field Elevation Measurements				06/13/2023 13:03
	Standard Methods 2130 B Field				06/13/2023 13:03
	Standard Methods 18th Ed. 2580 B Field				06/13/2023 13:03
	Standard Methods 2320 B (Total) 1997, 2011				06/19/2023 12:23
	Standard Methods 2320 B 1997, 2011				06/19/2023 12:23
	Standard Methods 2510 B Field				06/13/2023 13:03
	Standard Methods 2540 C (Total) 1997, 2011				06/15/2023 11:03
	Standard Methods 2550 B Field				06/13/2023 13:03
	Standard Methods 4500-NO2 B (Total) 2000, 2011				06/14/2023 13:46
	Standard Methods 4500-NO3 F (Total) 2000, 2011				06/14/2023 14:13
	Standard Methods 4500-NO3 F (Total) 2000, 2011				06/14/2023 14:13
	Standard Methods 4500-O G Field				06/13/2023 13:03
	Standard Methods 4500-P E 1999				06/15/2023 7:34



## Dates Report

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23060002

Client Project: KIN-23Q2

Report Date: 04-Aug-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	Test Name				
	Standard Methods 4500-P E 1999, 2011				06/15/2023 7:34
	SW-846 9036 (Total)				06/16/2023 1:24
	SW-846 9040B Field				06/13/2023 13:03
	SW-846 9214 (Total)				06/21/2023 10:25
	SW-846 9251 (Total)				06/16/2023 1:21
23060002-005B	KIN-MW-06	06/13/2023 13:03	06/13/2023 17:15		
	Standard Methods 2320 B (Dissolved) 1997, 2011				06/19/2023 9:25
	Standard Methods 2320 B (Dissolved) 1997, 2011				06/19/2023 9:25
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				06/14/2023 14:03
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				06/14/2023 15:19
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				06/14/2023 15:19
	Standard Methods 4500-P E (Dissolved) 1999, 2011				06/15/2023 10:02
	Standard Methods 4500-P E (Dissolved) 1999				06/15/2023 10:02
	SW-846 9036 (Dissolved)				06/15/2023 20:55
	SW-846 9251 (Dissolved)				06/15/2023 20:52
23060002-005C	KIN-MW-06	06/13/2023 13:03	06/13/2023 17:15		
	SW-846 3005A, 6010B, Metals by ICP (Total)			06/15/2023 16:33	06/21/2023 16:37
	SW-846 3005A, 6010B, Metals by ICP (Total)			06/22/2023 19:07	06/23/2023 12:38
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/15/2023 16:33	06/19/2023 11:36
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/15/2023 16:33	06/21/2023 1:38
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/15/2023 16:33	06/26/2023 12:45
	SW-846 7470A (Total)			06/20/2023 16:11	06/21/2023 12:06
23060002-005D	KIN-MW-06	06/13/2023 13:03	06/13/2023 17:15		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			06/18/2023 11:30	06/20/2023 17:59
23060002-005E	KIN-MW-06	06/13/2023 13:03	06/13/2023 17:15		
	SW-846 9060A				06/19/2023 20:36
23060002-005F	KIN-MW-06	06/13/2023 13:03	06/13/2023 17:15		
	SW-846 9060A				06/19/2023 17:26
23060002-006A	KIN-MW-07	06/12/2023 15:10	06/12/2023 17:20		
	Ferrous Iron by CHEMets Kit				06/12/2023 15:10
	Field Elevation Measurements				06/12/2023 15:10
	Standard Methods 2130 B Field				06/12/2023 15:10
	Standard Methods 18th Ed. 2580 B Field				06/12/2023 15:10
	Standard Methods 2320 B (Total) 1997, 2011				06/19/2023 12:29
	Standard Methods 2320 B 1997, 2011				06/19/2023 12:29
	Standard Methods 2510 B Field				06/12/2023 15:10
	Standard Methods 2540 C (Total) 1997, 2011				06/13/2023 11:31



## Dates Report

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23060002

Client Project: KIN-23Q2

Report Date: 04-Aug-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	<b>Test Name</b>				
	Standard Methods 2550 B Field				06/12/2023 15:10
	Standard Methods 4500-NO2 B (Total) 2000, 2011				06/13/2023 18:15
	Standard Methods 4500-NO3 F (Total) 2000, 2011				06/13/2023 15:22
	Standard Methods 4500-NO3 F (Total) 2000, 2011				06/13/2023 15:22
	Standard Methods 4500-O G Field				06/12/2023 15:10
	Standard Methods 4500-P E 1999				06/13/2023 15:20
	Standard Methods 4500-P E 1999, 2011				06/13/2023 15:20
	SW-846 9036 (Total)				06/16/2023 16:09
	SW-846 9040B Field				06/12/2023 15:10
	SW-846 9214 (Total)				06/21/2023 10:27
	SW-846 9251 (Total)				06/15/2023 21:02
23060002-006B	KIN-MW-07	06/12/2023 15:10	06/12/2023 17:20		
	Standard Methods 2320 B (Dissolved) 1997, 2011				06/19/2023 9:32
	Standard Methods 2320 B (Dissolved) 1997, 2011				06/19/2023 9:32
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				06/13/2023 18:02
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				06/13/2023 15:07
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				06/13/2023 15:07
	Standard Methods 4500-P E (Dissolved) 1999, 2011				06/13/2023 14:54
	Standard Methods 4500-P E (Dissolved) 1999				06/13/2023 14:54
	SW-846 9036 (Dissolved)				06/15/2023 16:30
	SW-846 9251 (Dissolved)				06/15/2023 16:25
23060002-006C	KIN-MW-07	06/12/2023 15:10	06/12/2023 17:20		
	SW-846 3005A, 6010B, Metals by ICP (Total)			06/13/2023 22:22	06/19/2023 18:21
	SW-846 3005A, 6010B, Metals by ICP (Total)			06/13/2023 22:22	06/26/2023 9:30
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/13/2023 22:22	06/15/2023 10:49
	SW-846 7470A (Total)			06/20/2023 16:11	06/21/2023 12:08
23060002-006D	KIN-MW-07	06/12/2023 15:10	06/12/2023 17:20		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			06/18/2023 11:30	06/20/2023 18:33
23060002-006E	KIN-MW-07	06/12/2023 15:10	06/12/2023 17:20		
	SW-846 9060A				06/14/2023 18:28
23060002-006F	KIN-MW-07	06/12/2023 15:10	06/12/2023 17:20		
	SW-846 9060A				06/14/2023 16:40
23060002-008A	KIN-MW-08	06/12/2023 14:10	06/12/2023 17:20		
	Ferrous Iron by CHEMets Kit				06/12/2023 14:10
	Field Elevation Measurements				06/12/2023 14:10
	Standard Methods 2130 B Field				06/12/2023 14:10
	Standard Methods 18th Ed. 2580 B Field				06/12/2023 14:10





## Dates Report

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23060002

Client Project: KIN-23Q2

Report Date: 04-Aug-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	<b>Test Name</b>				
	Standard Methods 2320 B (Total) 1997, 2011				06/19/2023 12:36
	Standard Methods 2320 B 1997, 2011				06/19/2023 12:36
	Standard Methods 2510 B Field				06/12/2023 14:10
	Standard Methods 2540 C (Total) 1997, 2011				06/13/2023 11:31
	Standard Methods 2550 B Field				06/12/2023 14:10
	Standard Methods 4500-NO2 B (Total) 2000, 2011				06/13/2023 18:16
	Standard Methods 4500-NO3 F (Total) 2000, 2011				06/13/2023 15:42
	Standard Methods 4500-NO3 F (Total) 2000, 2011				06/13/2023 15:42
	Standard Methods 4500-O G Field				06/12/2023 14:10
	Standard Methods 4500-P E 1999				06/13/2023 15:22
	Standard Methods 4500-P E 1999, 2011				06/13/2023 15:22
	SW-846 9036 (Total)				06/16/2023 16:30
	SW-846 9040B Field				06/12/2023 14:10
	SW-846 9214 (Total)				06/21/2023 10:30
	SW-846 9251 (Total)				06/15/2023 21:37
23060002-008B	KIN-MW-08	06/12/2023 14:10	06/12/2023 17:20		
	Standard Methods 2320 B (Dissolved) 1997, 2011				06/19/2023 9:38
	Standard Methods 2320 B (Dissolved) 1997, 2011				06/19/2023 9:38
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				06/13/2023 18:03
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				06/13/2023 15:10
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				06/13/2023 15:10
	Standard Methods 4500-P E (Dissolved) 1999, 2011				06/13/2023 14:57
	Standard Methods 4500-P E (Dissolved) 1999				06/13/2023 14:57
	SW-846 9036 (Dissolved)				06/15/2023 16:38
	SW-846 9251 (Dissolved)				06/15/2023 16:33
23060002-008C	KIN-MW-08	06/12/2023 14:10	06/12/2023 17:20		
	SW-846 3005A, 6010B, Metals by ICP (Total)			06/13/2023 22:22	06/19/2023 18:27
	SW-846 3005A, 6010B, Metals by ICP (Total)			06/21/2023 16:30	06/22/2023 9:34
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/13/2023 22:22	06/15/2023 11:32
	SW-846 7470A (Total)			06/20/2023 16:11	06/21/2023 12:10
23060002-008D	KIN-MW-08	06/12/2023 14:10	06/12/2023 17:20		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			06/18/2023 11:30	06/20/2023 18:37
23060002-008E	KIN-MW-08	06/12/2023 14:10	06/12/2023 17:20		
	SW-846 9060A				06/14/2023 18:34
23060002-008F	KIN-MW-08	06/12/2023 14:10	06/12/2023 17:20		
	SW-846 9060A				06/14/2023 16:46
23060002-010A	KIN-MW-11	06/12/2023 14:23	06/12/2023 17:20		



## Dates Report

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23060002

Client Project: KIN-23Q2

Report Date: 04-Aug-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	<b>Test Name</b>				
	Ferrous Iron by CHEMets Kit				06/12/2023 14:23
	Field Elevation Measurements				06/12/2023 14:23
	Standard Methods 2130 B Field				06/12/2023 14:23
	Standard Methods 18th Ed. 2580 B Field				06/12/2023 14:23
	Standard Methods 2320 B (Total) 1997, 2011				06/19/2023 12:43
	Standard Methods 2320 B 1997, 2011				06/19/2023 12:43
	Standard Methods 2510 B Field				06/12/2023 14:23
	Standard Methods 2540 C (Total) 1997, 2011				06/13/2023 11:32
	Standard Methods 2550 B Field				06/12/2023 14:23
	Standard Methods 4500-NO2 B (Total) 2000, 2011				06/13/2023 18:16
	Standard Methods 4500-NO3 F (Total) 2000, 2011				06/13/2023 15:44
	Standard Methods 4500-NO3 F (Total) 2000, 2011				06/13/2023 15:44
	Standard Methods 4500-O G Field				06/12/2023 14:23
	Standard Methods 4500-P E 1999				06/13/2023 15:25
	Standard Methods 4500-P E 1999, 2011				06/13/2023 15:25
	SW-846 9036 (Total)				06/15/2023 21:47
	SW-846 9040B Field				06/12/2023 14:23
	SW-846 9214 (Total)				06/21/2023 10:32
	SW-846 9251 (Total)				06/15/2023 21:42
23060002-010B	KIN-MW-11	06/12/2023 14:23	06/12/2023 17:20		
	Standard Methods 2320 B (Dissolved) 1997, 2011				06/19/2023 9:46
	Standard Methods 2320 B (Dissolved) 1997, 2011				06/19/2023 9:46
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				06/13/2023 18:03
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				06/13/2023 15:11
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				06/13/2023 15:11
	Standard Methods 4500-P E (Dissolved) 1999, 2011				06/13/2023 15:00
	Standard Methods 4500-P E (Dissolved) 1999				06/13/2023 15:00
	SW-846 9036 (Dissolved)				06/15/2023 16:45
	SW-846 9251 (Dissolved)				06/15/2023 16:41
23060002-010C	KIN-MW-11	06/12/2023 14:23	06/12/2023 17:20		
	SW-846 3005A, 6010B, Metals by ICP (Total)			06/13/2023 22:22	06/19/2023 18:21
	SW-846 3005A, 6010B, Metals by ICP (Total)			06/13/2023 22:22	06/26/2023 9:32
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/13/2023 22:22	06/15/2023 10:55
	SW-846 7470A (Total)			06/20/2023 16:11	06/21/2023 12:13
23060002-010D	KIN-MW-11	06/12/2023 14:23	06/12/2023 17:20		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			06/18/2023 11:30	06/20/2023 18:40
23060002-010E	KIN-MW-11	06/12/2023 14:23	06/12/2023 17:20		



## Dates Report

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23060002

Client Project: KIN-23Q2

Report Date: 04-Aug-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	SW-846 9060A				06/14/2023 18:40
23060002-010F	KIN-MW-11	06/12/2023 14:23	06/12/2023 17:20		
	SW-846 9060A				06/14/2023 16:53
23060002-011A	KIN-MW-12	06/13/2023 14:15	06/13/2023 17:15		
	Ferrous Iron by CHEMets Kit				06/13/2023 14:15
	Field Elevation Measurements				06/13/2023 14:15
	Standard Methods 2130 B Field				06/13/2023 14:15
	Standard Methods 18th Ed. 2580 B Field				06/13/2023 14:15
	Standard Methods 2320 B (Total) 1997, 2011				06/20/2023 9:40
	Standard Methods 2320 B 1997, 2011				06/20/2023 9:40
	Standard Methods 2510 B Field				06/13/2023 14:15
	Standard Methods 2540 C (Total) 1997, 2011				06/15/2023 11:03
	Standard Methods 2550 B Field				06/13/2023 14:15
	Standard Methods 4500-NO2 B (Total) 2000, 2011				06/14/2023 13:48
	Standard Methods 4500-NO3 F (Total) 2000, 2011				06/14/2023 14:16
	Standard Methods 4500-NO3 F (Total) 2000, 2011				06/14/2023 14:16
	Standard Methods 4500-O G Field				06/13/2023 14:15
	Standard Methods 4500-P E 1999				06/15/2023 9:42
	Standard Methods 4500-P E 1999, 2011				06/15/2023 9:42
	SW-846 9036 (Total)				06/16/2023 16:38
	SW-846 9040B Field				06/13/2023 14:15
	SW-846 9214 (Total)				06/21/2023 10:42
	SW-846 9251 (Total)				06/15/2023 21:50
23060002-011B	KIN-MW-12	06/13/2023 14:15	06/13/2023 17:15		
	Standard Methods 2320 B (Dissolved) 1997, 2011				06/19/2023 9:53
	Standard Methods 2320 B (Dissolved) 1997, 2011				06/19/2023 9:53
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				06/14/2023 14:04
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				06/14/2023 15:22
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				06/14/2023 15:22
	Standard Methods 4500-P E (Dissolved) 1999, 2011				06/15/2023 10:04
	Standard Methods 4500-P E (Dissolved) 1999				06/15/2023 10:04
	SW-846 9036 (Dissolved)				06/16/2023 13:57
	SW-846 9251 (Dissolved)				06/15/2023 16:52
23060002-011C	KIN-MW-12	06/13/2023 14:15	06/13/2023 17:15		
	SW-846 3005A, 6010B, Metals by ICP (Total)			06/15/2023 16:33	06/21/2023 16:39
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/15/2023 16:33	06/19/2023 11:42
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/15/2023 16:33	06/26/2023 12:50



## Dates Report

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23060002

Client Project: KIN-23Q2

Report Date: 04-Aug-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	SW-846 7470A (Total)			06/20/2023 16:11	06/21/2023 12:15
23060002-011D	KIN-MW-12	06/13/2023 14:15	06/13/2023 17:15		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			06/18/2023 11:30	06/20/2023 18:44
23060002-011E	KIN-MW-12	06/13/2023 14:15	06/13/2023 17:15		
	SW-846 9060A				06/19/2023 20:42
23060002-011F	KIN-MW-12	06/13/2023 14:15	06/13/2023 17:15		
	SW-846 9060A				06/19/2023 17:32
23060002-014A	KIN-MW-20	06/13/2023 9:41	06/13/2023 17:15		
	Ferrous Iron by CHEMets Kit				06/13/2023 9:41
	Field Elevation Measurements				06/13/2023 9:41
	Standard Methods 2130 B Field				06/13/2023 9:41
	Standard Methods 18th Ed. 2580 B Field				06/13/2023 9:41
	Standard Methods 2320 B (Total) 1997, 2011				06/19/2023 13:08
	Standard Methods 2320 B 1997, 2011				06/19/2023 13:08
	Standard Methods 2510 B Field				06/13/2023 9:41
	Standard Methods 2540 C (Total) 1997, 2011				06/15/2023 11:03
	Standard Methods 2550 B Field				06/13/2023 9:41
	Standard Methods 4500-NO2 B (Total) 2000, 2011				06/14/2023 13:49
	Standard Methods 4500-NO3 F (Total) 2000, 2011				06/14/2023 16:56
	Standard Methods 4500-NO3 F (Total) 2000, 2011				06/14/2023 16:56
	Standard Methods 4500-O G Field				06/13/2023 9:41
	Standard Methods 4500-P E 1999				06/15/2023 7:10
	Standard Methods 4500-P E 1999, 2011				06/15/2023 7:10
	SW-846 9036 (Total)				06/15/2023 22:02
	SW-846 9040B Field				06/13/2023 9:41
	SW-846 9214 (Total)				06/21/2023 10:45
	SW-846 9251 (Total)				06/15/2023 21:58
23060002-014B	KIN-MW-20	06/13/2023 9:41	06/13/2023 17:15		
	Standard Methods 2320 B (Dissolved) 1997, 2011				06/19/2023 10:00
	Standard Methods 2320 B (Dissolved) 1997, 2011				06/19/2023 10:00
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				06/14/2023 14:04
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				06/14/2023 16:58
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				06/14/2023 16:58
	Standard Methods 4500-P E (Dissolved) 1999, 2011				06/15/2023 7:19
	Standard Methods 4500-P E (Dissolved) 1999				06/15/2023 7:19
	SW-846 9036 (Dissolved)				06/15/2023 17:31
	SW-846 9251 (Dissolved)				06/15/2023 17:26



## Dates Report

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23060002

Client Project: KIN-23Q2

Report Date: 04-Aug-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
Test Name					
23060002-014C	KIN-MW-20	06/13/2023 9:41	06/13/2023 17:15		
	SW-846 3005A, 6010B, Metals by ICP (Total)			06/15/2023 16:33	06/21/2023 16:40
	SW-846 3005A, 6010B, Metals by ICP (Total)			06/22/2023 19:07	06/23/2023 12:43
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/15/2023 16:33	06/19/2023 11:47
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/15/2023 16:33	06/26/2023 12:56
	SW-846 7470A (Total)			06/20/2023 16:11	06/21/2023 12:23
23060002-014D	KIN-MW-20	06/13/2023 9:41	06/13/2023 17:15		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			06/18/2023 11:30	06/20/2023 18:48
23060002-014E	KIN-MW-20	06/13/2023 9:41	06/13/2023 17:15		
	SW-846 9060A				06/19/2023 20:48
23060002-014F	KIN-MW-20	06/13/2023 9:41	06/13/2023 17:15		
	SW-846 9060A				06/19/2023 17:38
23060002-015A	KIN-MW-20#S	06/13/2023 10:05	06/13/2023 17:15		
	Ferrous Iron by CHEMets Kit				06/13/2023 10:05
	Field Elevation Measurements				06/13/2023 10:05
	Standard Methods 2130 B Field				06/13/2023 10:05
	Standard Methods 18th Ed. 2580 B Field				06/13/2023 10:05
	Standard Methods 2320 B (Total) 1997, 2011				06/19/2023 13:15
	Standard Methods 2320 B 1997, 2011				06/19/2023 13:15
	Standard Methods 2510 B Field				06/13/2023 10:05
	Standard Methods 2540 C (Total) 1997, 2011				06/15/2023 11:04
	Standard Methods 2550 B Field				06/13/2023 10:05
	Standard Methods 4500-NO2 B (Total) 2000, 2011				06/14/2023 17:34
	Standard Methods 4500-NO3 F (Total) 2000, 2011				06/14/2023 0:00
	Standard Methods 4500-NO3 F (Total) 2000, 2011				06/14/2023 17:36
	Standard Methods 4500-O G Field				06/13/2023 10:05
	Standard Methods 4500-P E 1999				06/15/2023 7:11
	Standard Methods 4500-P E 1999, 2011				06/15/2023 7:11
	SW-846 9036 (Total)				06/16/2023 17:07
	SW-846 9040B Field				06/13/2023 10:05
	SW-846 9214 (Total)				06/21/2023 10:47
	SW-846 9251 (Total)				06/15/2023 22:06
23060002-015B	KIN-MW-20#S	06/13/2023 10:05	06/13/2023 17:15		
	Standard Methods 2320 B (Dissolved) 1997, 2011				06/19/2023 10:08
	Standard Methods 2320 B (Dissolved) 1997, 2011				06/19/2023 10:08
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				06/14/2023 14:05
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				06/14/2023 17:01



## Dates Report

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23060002

Client Project: KIN-23Q2

Report Date: 04-Aug-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	Test Name				
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				06/14/2023 17:01
	Standard Methods 4500-P E (Dissolved) 1999, 2011				06/15/2023 7:20
	Standard Methods 4500-P E (Dissolved) 1999				06/15/2023 7:20
	SW-846 9036 (Dissolved)				06/16/2023 14:25
	SW-846 9251 (Dissolved)				06/15/2023 17:34
23060002-015C	KIN-MW-20#S	06/13/2023 10:05	06/13/2023 17:15		
	SW-846 3005A, 6010B, Metals by ICP (Total)			06/15/2023 16:33	06/21/2023 16:42
	SW-846 3005A, 6010B, Metals by ICP (Total)			06/22/2023 19:07	06/23/2023 12:43
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/15/2023 16:33	06/19/2023 11:53
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/15/2023 16:33	06/26/2023 13:01
	SW-846 7470A (Total)			06/20/2023 16:11	06/21/2023 12:31
23060002-015D	KIN-MW-20#S	06/13/2023 10:05	06/13/2023 17:15		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			06/18/2023 11:30	06/20/2023 19:10
23060002-015E	KIN-MW-20#S	06/13/2023 10:05	06/13/2023 17:15		
	SW-846 9060A				06/21/2023 12:18
23060002-015F	KIN-MW-20#S	06/13/2023 10:05	06/13/2023 17:15		
	SW-846 9060A				06/19/2023 17:45
23060002-016A	KIN-MW-23	06/12/2023 13:35	06/12/2023 17:20		
	Ferrous Iron by CHEMets Kit				06/12/2023 13:35
	Field Elevation Measurements				06/12/2023 13:35
	Standard Methods 2130 B Field				06/12/2023 13:35
	Standard Methods 18th Ed. 2580 B Field				06/12/2023 13:35
	Standard Methods 2320 B (Total) 1997, 2011				06/19/2023 13:22
	Standard Methods 2320 B 1997, 2011				06/19/2023 13:22
	Standard Methods 2510 B Field				06/12/2023 13:35
	Standard Methods 2540 C (Total) 1997, 2011				06/13/2023 11:32
	Standard Methods 2550 B Field				06/12/2023 13:35
	Standard Methods 4500-NO2 B (Total) 2000, 2011				06/13/2023 18:17
	Standard Methods 4500-NO3 F (Total) 2000, 2011				06/13/2023 15:47
	Standard Methods 4500-NO3 F (Total) 2000, 2011				06/13/2023 15:47
	Standard Methods 4500-O G Field				06/12/2023 13:35
	Standard Methods 4500-P E 1999				06/13/2023 15:27
	Standard Methods 4500-P E 1999, 2011				06/13/2023 15:27
	SW-846 9036 (Total)				06/15/2023 22:26
	SW-846 9040B Field				06/12/2023 13:35
	SW-846 9214 (Total)				06/21/2023 10:50
	SW-846 9251 (Total)				06/15/2023 22:27



## Dates Report

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23060002

Client Project: KIN-23Q2

Report Date: 04-Aug-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
Test Name					
23060002-016B	KIN-MW-23	06/12/2023 13:35	06/12/2023 17:20		
	Standard Methods 2320 B (Dissolved) 1997, 2011				06/19/2023 10:15
	Standard Methods 2320 B (Dissolved) 1997, 2011				06/19/2023 10:15
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				06/13/2023 18:04
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				06/13/2023 15:14
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				06/13/2023 15:14
	Standard Methods 4500-P E (Dissolved) 1999, 2011				06/13/2023 15:03
	Standard Methods 4500-P E (Dissolved) 1999				06/13/2023 15:03
	SW-846 9036 (Dissolved)				06/15/2023 17:41
	SW-846 9251 (Dissolved)				06/15/2023 17:42
23060002-016C	KIN-MW-23	06/12/2023 13:35	06/12/2023 17:20		
	SW-846 3005A, 6010B, Metals by ICP (Total)			06/13/2023 22:22	06/19/2023 18:22
	SW-846 3005A, 6010B, Metals by ICP (Total)			06/13/2023 22:22	06/26/2023 9:33
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/13/2023 22:22	06/15/2023 11:01
	SW-846 7470A (Total)			06/20/2023 16:11	06/21/2023 12:34
23060002-016D	KIN-MW-23	06/12/2023 13:35	06/12/2023 17:20		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			06/18/2023 11:30	06/20/2023 19:14
23060002-016E	KIN-MW-23	06/12/2023 13:35	06/12/2023 17:20		
	SW-846 9060A				06/14/2023 18:47
23060002-016F	KIN-MW-23	06/12/2023 13:35	06/12/2023 17:20		
	SW-846 9060A				06/14/2023 16:59
23060002-017A	KIN-MW-27	06/12/2023 14:37	06/12/2023 17:20		
	Ferrous Iron by CHEMets Kit				06/12/2023 14:37
	Field Elevation Measurements				06/12/2023 14:37
	Standard Methods 2130 B Field				06/12/2023 14:37
	Standard Methods 18th Ed. 2580 B Field				06/12/2023 14:37
	Standard Methods 2510 B Field				06/12/2023 14:37
	Standard Methods 2550 B Field				06/12/2023 14:37
	Standard Methods 4500-O G Field				06/12/2023 14:37
	SW-846 9040B Field				06/12/2023 14:37
23060002-018A	KIN-MW-28	06/13/2023 13:27	06/13/2023 17:15		
	Ferrous Iron by CHEMets Kit				06/13/2023 13:27
	Field Elevation Measurements				06/13/2023 13:27
	Standard Methods 2130 B Field				06/13/2023 13:27
	Standard Methods 18th Ed. 2580 B Field				06/13/2023 13:27
	Standard Methods 2320 B (Total) 1997, 2011				06/19/2023 13:29
	Standard Methods 2320 B 1997, 2011				06/19/2023 13:29



## Dates Report

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23060002

Client Project: KIN-23Q2

Report Date: 04-Aug-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
Test Name					
	Standard Methods 2510 B Field				06/13/2023 13:27
	Standard Methods 2540 C (Total) 1997, 2011				06/15/2023 11:04
	Standard Methods 2550 B Field				06/13/2023 13:27
	Standard Methods 4500-NO2 B (Total) 2000, 2011				06/14/2023 13:54
	Standard Methods 4500-NO3 F (Total) 2000, 2011				06/14/2023 14:20
	Standard Methods 4500-NO3 F (Total) 2000, 2011				06/14/2023 14:20
	Standard Methods 4500-O G Field				06/13/2023 13:27
	Standard Methods 4500-P E 1999				06/15/2023 9:44
	Standard Methods 4500-P E 1999, 2011				06/15/2023 9:44
	SW-846 9036 (Total)				06/16/2023 17:15
	SW-846 9040B Field				06/13/2023 13:27
	SW-846 9214 (Total)				06/21/2023 10:51
	SW-846 9251 (Total)				06/15/2023 22:36
23060002-018B	KIN-MW-28	06/13/2023 13:27	06/13/2023 17:15		
	Standard Methods 2320 B (Dissolved) 1997, 2011				06/19/2023 10:22
	Standard Methods 2320 B (Dissolved) 1997, 2011				06/19/2023 10:22
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				06/14/2023 14:05
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				06/14/2023 15:35
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				06/14/2023 15:35
	Standard Methods 4500-P E (Dissolved) 1999, 2011				06/15/2023 7:27
	Standard Methods 4500-P E (Dissolved) 1999				06/15/2023 7:27
	SW-846 9036 (Dissolved)				06/20/2023 11:25
	SW-846 9251 (Dissolved)				06/15/2023 18:06
23060002-018C	KIN-MW-28	06/13/2023 13:27	06/13/2023 17:15		
	SW-846 3005A, 6010B, Metals by ICP (Total)			06/15/2023 16:33	06/21/2023 16:43
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/15/2023 16:33	06/19/2023 11:59
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/15/2023 16:33	06/26/2023 13:30
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/15/2023 16:33	06/27/2023 8:18
	SW-846 7470A (Total)			06/20/2023 16:11	06/21/2023 12:36
23060002-018D	KIN-MW-28	06/13/2023 13:27	06/13/2023 17:15		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			06/18/2023 11:30	06/20/2023 19:17
23060002-018E	KIN-MW-28	06/13/2023 13:27	06/13/2023 17:15		
	SW-846 9060A				06/19/2023 21:45
23060002-018F	KIN-MW-28	06/13/2023 13:27	06/13/2023 17:15		
	SW-846 9060A				06/19/2023 17:51
23060002-019A	KIN-MW-30	06/13/2023 12:32	06/13/2023 17:15		
	Ferrous Iron by CHEMets Kit				06/13/2023 12:32





# Dates Report

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23060002

Client Project: KIN-23Q2

Report Date: 04-Aug-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	<b>Test Name</b>				
	Field Elevation Measurements				06/13/2023 12:32
	Standard Methods 2130 B Field				06/13/2023 12:32
	Standard Methods 18th Ed. 2580 B Field				06/13/2023 12:32
	Standard Methods 2320 B (Total) 1997, 2011				06/19/2023 13:36
	Standard Methods 2320 B 1997, 2011				06/19/2023 13:36
	Standard Methods 2510 B Field				06/13/2023 12:32
	Standard Methods 2540 C (Total) 1997, 2011				06/15/2023 11:46
	Standard Methods 2550 B Field				06/13/2023 12:32
	Standard Methods 4500-NO2 B (Total) 2000, 2011				06/14/2023 13:57
	Standard Methods 4500-NO3 F (Total) 2000, 2011				06/14/2023 14:22
	Standard Methods 4500-NO3 F (Total) 2000, 2011				06/14/2023 14:22
	Standard Methods 4500-O G Field				06/13/2023 12:32
	Standard Methods 4500-P E 1999				06/15/2023 10:50
	Standard Methods 4500-P E 1999, 2011				06/15/2023 7:37
	SW-846 9036 (Total)				06/20/2023 11:27
	SW-846 9040B Field				06/13/2023 12:32
	SW-846 9214 (Total)				06/21/2023 11:40
	SW-846 9251 (Total)				06/15/2023 22:43
23060002-019B	KIN-MW-30	06/13/2023 12:32	06/13/2023 17:15		
	Standard Methods 2320 B (Dissolved) 1997, 2011				06/19/2023 10:30
	Standard Methods 2320 B (Dissolved) 1997, 2011				06/19/2023 10:30
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				06/14/2023 14:06
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				06/14/2023 15:37
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				06/14/2023 15:37
	Standard Methods 4500-P E (Dissolved) 1999, 2011				06/15/2023 10:52
	Standard Methods 4500-P E (Dissolved) 1999				06/15/2023 10:52
	SW-846 9036 (Dissolved)				06/15/2023 18:17
	SW-846 9251 (Dissolved)				06/15/2023 18:17
23060002-019C	KIN-MW-30	06/13/2023 12:32	06/13/2023 17:15		
	SW-846 3005A, 6010B, Metals by ICP (Total)			06/15/2023 16:33	06/21/2023 16:45
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/15/2023 16:33	06/19/2023 12:04
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/15/2023 16:33	06/26/2023 13:36
	SW-846 7470A (Total)			06/20/2023 16:11	06/21/2023 12:39
23060002-019D	KIN-MW-30	06/13/2023 12:32	06/13/2023 17:15		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			06/18/2023 11:30	06/20/2023 19:21
23060002-019E	KIN-MW-30	06/13/2023 12:32	06/13/2023 17:15		
	SW-846 9060A				06/19/2023 21:52



## Dates Report

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23060002

Client Project: KIN-23Q2

Report Date: 04-Aug-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
Test Name					
23060002-019F	KIN-MW-30	06/13/2023 12:32	06/13/2023 17:15		
	SW-846 9060A				06/19/2023 18:29
23060002-020A	KIN-MW-31	06/13/2023 11:58	06/13/2023 17:15		
	Ferrous Iron by CHEMets Kit				06/13/2023 11:58
	Field Elevation Measurements				06/13/2023 11:58
	Standard Methods 2130 B Field				06/13/2023 11:58
	Standard Methods 18th Ed. 2580 B Field				06/13/2023 11:58
	Standard Methods 2320 B (Total) 1997, 2011				06/19/2023 13:43
	Standard Methods 2320 B 1997, 2011				06/19/2023 13:43
	Standard Methods 2510 B Field				06/13/2023 11:58
	Standard Methods 2540 C (Total) 1997, 2011				06/15/2023 11:46
	Standard Methods 2550 B Field				06/13/2023 11:58
	Standard Methods 4500-NO2 B (Total) 2000, 2011				06/14/2023 13:58
	Standard Methods 4500-NO3 F (Total) 2000, 2011				06/14/2023 14:24
	Standard Methods 4500-NO3 F (Total) 2000, 2011				06/14/2023 14:24
	Standard Methods 4500-O G Field				06/13/2023 11:58
	Standard Methods 4500-P E 1999				06/15/2023 7:12
	Standard Methods 4500-P E 1999, 2011				06/15/2023 7:12
	SW-846 9036 (Total)				06/15/2023 22:51
	SW-846 9040B Field				06/13/2023 11:58
	SW-846 9214 (Total)				06/21/2023 10:54
	SW-846 9251 (Total)				06/15/2023 22:51
23060002-020B	KIN-MW-31	06/13/2023 11:58	06/13/2023 17:15		
	Standard Methods 2320 B (Dissolved) 1997, 2011				06/19/2023 10:38
	Standard Methods 2320 B (Dissolved) 1997, 2011				06/19/2023 10:38
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				06/14/2023 14:06
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				06/14/2023 15:39
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				06/14/2023 15:39
	Standard Methods 4500-P E (Dissolved) 1999, 2011				06/15/2023 7:23
	Standard Methods 4500-P E (Dissolved) 1999				06/15/2023 7:23
	SW-846 9036 (Dissolved)				06/15/2023 18:37
	SW-846 9251 (Dissolved)				06/15/2023 18:38
23060002-020C	KIN-MW-31	06/13/2023 11:58	06/13/2023 17:15		
	SW-846 3005A, 6010B, Metals by ICP (Total)			06/15/2023 16:33	06/21/2023 16:59
	SW-846 3005A, 6010B, Metals by ICP (Total)			06/22/2023 19:07	06/23/2023 12:44
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/15/2023 16:33	06/19/2023 12:16
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/15/2023 16:33	06/26/2023 14:09



## Dates Report

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23060002

Client Project: KIN-23Q2

Report Date: 04-Aug-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/15/2023 16:33	06/27/2023 8:52
	SW-846 7470A (Total)			06/20/2023 16:11	06/21/2023 12:42
23060002-020D	KIN-MW-31	06/13/2023 11:58	06/13/2023 17:15		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			06/18/2023 11:30	06/20/2023 19:32
23060002-020E	KIN-MW-31	06/13/2023 11:58	06/13/2023 17:15		
	SW-846 9060A				06/19/2023 21:58
23060002-020F	KIN-MW-31	06/13/2023 11:58	06/13/2023 17:15		
	SW-846 9060A				06/19/2023 18:48
23060002-021A	KIN-MW-31#S	06/13/2023 11:40	06/13/2023 17:15		
	Ferrous Iron by CHEMets Kit				06/13/2023 11:40
	Field Elevation Measurements				06/13/2023 11:40
	Standard Methods 2130 B Field				06/13/2023 11:40
	Standard Methods 18th Ed. 2580 B Field				06/13/2023 11:40
	Standard Methods 2510 B Field				06/13/2023 11:40
	Standard Methods 2550 B Field				06/13/2023 11:40
	Standard Methods 4500-O G Field				06/13/2023 11:40
	SW-846 9040B Field				06/13/2023 11:40
23060002-022A	KIN-MW-32	06/13/2023 10:32	06/13/2023 17:15		
	Ferrous Iron by CHEMets Kit				06/13/2023 10:32
	Field Elevation Measurements				06/13/2023 10:32
	Standard Methods 2130 B Field				06/13/2023 10:32
	Standard Methods 18th Ed. 2580 B Field				06/13/2023 10:32
	Standard Methods 2320 B (Total) 1997, 2011				06/19/2023 13:50
	Standard Methods 2320 B 1997, 2011				06/19/2023 13:50
	Standard Methods 2510 B Field				06/13/2023 10:32
	Standard Methods 2540 C (Total) 1997, 2011				06/15/2023 11:46
	Standard Methods 2550 B Field				06/13/2023 10:32
	Standard Methods 4500-NO2 B (Total) 2000, 2011				06/14/2023 13:58
	Standard Methods 4500-NO3 F (Total) 2000, 2011				06/14/2023 14:40
	Standard Methods 4500-NO3 F (Total) 2000, 2011				06/14/2023 14:40
	Standard Methods 4500-O G Field				06/13/2023 10:32
	Standard Methods 4500-P E 1999				06/15/2023 7:13
	Standard Methods 4500-P E 1999, 2011				06/15/2023 7:13
	SW-846 9036 (Total)				06/16/2023 17:18
	SW-846 9040B Field				06/13/2023 10:32
	SW-846 9214 (Total)				06/21/2023 10:56
	SW-846 9251 (Total)				06/15/2023 22:59



## Dates Report

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23060002

Client Project: KIN-23Q2

Report Date: 04-Aug-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
Test Name					
23060002-022B	KIN-MW-32	06/13/2023 10:32	06/13/2023 17:15		
	Standard Methods 2320 B (Dissolved) 1997, 2011				06/19/2023 10:45
	Standard Methods 2320 B (Dissolved) 1997, 2011				06/19/2023 10:45
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				06/14/2023 14:07
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				06/14/2023 15:55
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				06/14/2023 15:55
	Standard Methods 4500-P E (Dissolved) 1999, 2011				06/15/2023 7:24
	Standard Methods 4500-P E (Dissolved) 1999				06/15/2023 7:24
	SW-846 9036 (Dissolved)				06/16/2023 15:21
	SW-846 9251 (Dissolved)				06/15/2023 19:00
23060002-022C	KIN-MW-32	06/13/2023 10:32	06/13/2023 17:15		
	SW-846 3005A, 6010B, Metals by ICP (Total)			06/15/2023 16:33	06/21/2023 16:47
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/15/2023 16:33	06/19/2023 12:10
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/15/2023 16:33	06/26/2023 13:41
	SW-846 7470A (Total)			06/20/2023 16:11	06/21/2023 12:44
23060002-022D	KIN-MW-32	06/13/2023 10:32	06/13/2023 17:15		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			06/18/2023 11:30	06/20/2023 19:36
23060002-022E	KIN-MW-32	06/13/2023 10:32	06/13/2023 17:15		
	SW-846 9060A				06/19/2023 22:04
23060002-022F	KIN-MW-32	06/13/2023 10:32	06/13/2023 17:15		
	SW-846 9060A				06/19/2023 18:54
23060002-023A	KIN-PZ4!C	06/13/2023 11:23	06/13/2023 17:15		
	Ferrous Iron by CHEMets Kit				06/13/2023 11:23
	Field Elevation Measurements				06/13/2023 11:23
	Standard Methods 2130 B Field				06/13/2023 11:23
	Standard Methods 18th Ed. 2580 B Field				06/13/2023 11:23
	Standard Methods 2320 B (Total) 1997, 2011				06/20/2023 9:54
	Standard Methods 2320 B 1997, 2011				06/20/2023 9:54
	Standard Methods 2510 B Field				06/13/2023 11:23
	Standard Methods 2540 C (Total) 1997, 2011				06/15/2023 11:46
	Standard Methods 2550 B Field				06/13/2023 11:23
	Standard Methods 4500-NO2 B (Total) 2000, 2011				06/14/2023 13:58
	Standard Methods 4500-NO3 F (Total) 2000, 2011				06/14/2023 14:42
	Standard Methods 4500-NO3 F (Total) 2000, 2011				06/14/2023 14:42
	Standard Methods 4500-O G Field				06/13/2023 11:23
	Standard Methods 4500-P E 1999				06/15/2023 7:15
	Standard Methods 4500-P E 1999, 2011				06/15/2023 7:15



## Dates Report

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23060002

Client Project: KIN-23Q2

Report Date: 04-Aug-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
Test Name					
	SW-846 9036 (Total)				06/15/2023 23:25
	SW-846 9040B Field				06/13/2023 11:23
	SW-846 9214 (Total)				06/21/2023 10:59
	SW-846 9251 (Total)				06/15/2023 23:21
23060002-023B	KIN-PZ4!C	06/13/2023 11:23	06/13/2023 17:15		
	Standard Methods 2320 B (Dissolved) 1997, 2011				06/19/2023 10:53
	Standard Methods 2320 B (Dissolved) 1997, 2011				06/19/2023 10:53
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				06/14/2023 14:08
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				06/14/2023 15:57
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				06/14/2023 15:57
	Standard Methods 4500-P E (Dissolved) 1999, 2011				06/15/2023 7:25
	Standard Methods 4500-P E (Dissolved) 1999				06/15/2023 7:25
	SW-846 9036 (Dissolved)				06/15/2023 19:12
	SW-846 9214 (Dissolved)				06/21/2023 11:21
	SW-846 9251 (Dissolved)				06/15/2023 19:08
23060002-023C	KIN-PZ4!C	06/13/2023 11:23	06/13/2023 17:15		
	SW-846 3005A, 6010B, Metals by ICP (Total)			06/15/2023 16:33	06/21/2023 17:03
	SW-846 3005A, 6010B, Metals by ICP (Total)			06/22/2023 19:07	06/23/2023 12:46
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/15/2023 16:33	06/19/2023 13:29
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/15/2023 16:33	06/21/2023 2:08
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/15/2023 16:33	06/26/2023 13:47
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/15/2023 16:33	06/27/2023 8:30
	SW-846 7470A (Total)			06/21/2023 17:11	06/22/2023 11:08
23060002-023D	KIN-PZ4!C	06/13/2023 11:23	06/13/2023 17:15		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			06/18/2023 11:30	06/20/2023 19:58
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			06/18/2023 11:30	06/21/2023 16:14
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			06/18/2023 11:30	06/19/2023 13:35
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			06/18/2023 11:30	06/21/2023 1:33
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			06/18/2023 11:30	06/27/2023 9:54
	SW-846 7470A (Dissolved)			06/21/2023 17:11	06/22/2023 11:10
23060002-023E	KIN-PZ4!C	06/13/2023 11:23	06/13/2023 17:15		
	SW-846 9060A				06/19/2023 22:11
23060002-023F	KIN-PZ4!C	06/13/2023 11:23	06/13/2023 17:15		
	SW-846 9060A				06/19/2023 19:01
23060002-024A	KIN-XPW01-pore	06/13/2023 13:23	06/13/2023 17:15		
	Ferrous Iron by CHEMets Kit				06/13/2023 13:23
	Field Elevation Measurements				06/13/2023 13:23



## Dates Report

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23060002

Client Project: KIN-23Q2

Report Date: 04-Aug-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	Test Name				
	Standard Methods 2130 B Field				06/13/2023 13:23
	Standard Methods 18th Ed. 2580 B Field				06/13/2023 13:23
	Standard Methods 2320 B (Total) 1997, 2011				06/20/2023 10:01
	Standard Methods 2320 B 1997, 2011				06/20/2023 10:01
	Standard Methods 2510 B Field				06/13/2023 13:23
	Standard Methods 2540 C (Total) 1997, 2011				06/15/2023 11:47
	Standard Methods 2550 B Field				06/13/2023 13:23
	Standard Methods 4500-NO2 B (Total) 2000, 2011				06/14/2023 13:58
	Standard Methods 4500-NO3 F (Total) 2000, 2011				06/14/2023 14:44
	Standard Methods 4500-NO3 F (Total) 2000, 2011				06/14/2023 14:44
	Standard Methods 4500-O G Field				06/13/2023 13:23
	Standard Methods 4500-P E 1999				06/15/2023 9:46
	Standard Methods 4500-P E 1999, 2011				06/15/2023 9:46
	SW-846 9036 (Total)				06/15/2023 23:33
	SW-846 9040B Field				06/13/2023 13:23
	SW-846 9214 (Total)				06/21/2023 11:08
	SW-846 9251 (Total)				06/15/2023 23:29
23060002-024B	KIN-XPW01-pore	06/13/2023 13:23	06/13/2023 17:15		
	Standard Methods 2320 B (Dissolved) 1997, 2011				06/19/2023 11:00
	Standard Methods 2320 B (Dissolved) 1997, 2011				06/19/2023 11:00
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				06/14/2023 14:08
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				06/14/2023 15:59
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				06/14/2023 15:59
	Standard Methods 4500-P E (Dissolved) 1999, 2011				06/15/2023 10:08
	Standard Methods 4500-P E (Dissolved) 1999				06/15/2023 10:08
	SW-846 9036 (Dissolved)				06/15/2023 19:20
	SW-846 9251 (Dissolved)				06/15/2023 19:16
23060002-024C	KIN-XPW01-pore	06/13/2023 13:23	06/13/2023 17:15		
	SW-846 3005A, 6010B, Metals by ICP (Total)			06/15/2023 16:33	06/21/2023 17:05
	SW-846 3005A, 6010B, Metals by ICP (Total)			06/22/2023 19:07	06/23/2023 12:47
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/15/2023 16:33	06/19/2023 13:41
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/15/2023 16:33	06/21/2023 2:14
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/15/2023 16:33	06/26/2023 13:52
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/15/2023 16:33	06/27/2023 8:35
	SW-846 7470A (Total)			06/21/2023 17:11	06/22/2023 11:13
23060002-024D	KIN-XPW01-pore	06/13/2023 13:23	06/13/2023 17:15		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			06/18/2023 11:30	06/20/2023 20:02
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			06/18/2023 11:30	06/21/2023 16:16



## Dates Report

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23060002

Client Project: KIN-23Q2

Report Date: 04-Aug-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
Test Name					
23060002-024E	KIN-XPW01-pore	06/13/2023 13:23	06/13/2023 17:15		
	SW-846 9060A				06/19/2023 22:17
23060002-024F	KIN-XPW01-pore	06/13/2023 13:23	06/13/2023 17:15		
	SW-846 9060A				06/19/2023 19:07
23060002-025A	KIN-XPW02-pore	06/13/2023 14:42	06/13/2023 17:15		
	Ferrous Iron by CHEMets Kit				06/13/2023 14:42
	Field Elevation Measurements				06/13/2023 14:42
	Standard Methods 2130 B Field				06/13/2023 14:42
	Standard Methods 18th Ed. 2580 B Field				06/13/2023 14:42
	Standard Methods 2320 B (Total) 1997, 2011				06/20/2023 10:08
	Standard Methods 2320 B 1997, 2011				06/20/2023 10:08
	Standard Methods 2510 B Field				06/13/2023 14:42
	Standard Methods 2540 C (Total) 1997, 2011				06/15/2023 11:47
	Standard Methods 2550 B Field				06/13/2023 14:42
	Standard Methods 4500-NO2 B (Total) 2000, 2011				06/14/2023 16:36
	Standard Methods 4500-NO3 F (Total) 2000, 2011				06/14/2023 14:46
	Standard Methods 4500-NO3 F (Total) 2000, 2011				06/14/2023 14:46
	Standard Methods 4500-O G Field				06/13/2023 14:42
	Standard Methods 4500-P E 1999				06/15/2023 9:49
	Standard Methods 4500-P E 1999, 2011				06/15/2023 9:49
	SW-846 9036 (Total)				06/16/2023 17:26
	SW-846 9040B Field				06/13/2023 14:42
	SW-846 9214 (Total)				06/21/2023 11:09
	SW-846 9251 (Total)				06/15/2023 23:37
23060002-025B	KIN-XPW02-pore	06/13/2023 14:42	06/13/2023 17:15		
	Standard Methods 2320 B (Dissolved) 1997, 2011				06/19/2023 11:07
	Standard Methods 2320 B (Dissolved) 1997, 2011				06/19/2023 11:07
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				06/14/2023 16:37
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				06/14/2023 16:01
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				06/14/2023 16:01
	Standard Methods 4500-P E (Dissolved) 1999, 2011				06/15/2023 10:10
	Standard Methods 4500-P E (Dissolved) 1999				06/15/2023 10:10
	SW-846 9036 (Dissolved)				06/16/2023 15:29
	SW-846 9251 (Dissolved)				06/15/2023 19:24
23060002-025C	KIN-XPW02-pore	06/13/2023 14:42	06/13/2023 17:15		
	SW-846 3005A, 6010B, Metals by ICP (Total)			06/15/2023 16:33	06/21/2023 17:07
	SW-846 3005A, 6010B, Metals by ICP (Total)			06/15/2023 16:33	06/22/2023 18:31



## Dates Report

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23060002

Client Project: KIN-23Q2

Report Date: 04-Aug-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	<b>Test Name</b>				
	SW-846 3005A, 6010B, Metals by ICP (Total)			06/22/2023 19:07	06/23/2023 12:47
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/15/2023 16:33	06/19/2023 13:46
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/15/2023 16:33	06/21/2023 2:20
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/15/2023 16:33	06/26/2023 13:58
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/15/2023 16:33	06/27/2023 8:41
	SW-846 7470A (Total)			06/21/2023 17:11	06/22/2023 11:15
23060002-025D	KIN-XPW02-pore	06/13/2023 14:42	06/13/2023 17:15		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			06/18/2023 11:30	06/20/2023 20:06
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			06/18/2023 11:30	06/21/2023 16:17
23060002-025E	KIN-XPW02-pore	06/13/2023 14:42	06/13/2023 17:15		
	SW-846 9060A				06/19/2023 22:24
23060002-025F	KIN-XPW02-pore	06/13/2023 14:42	06/13/2023 17:15		
	SW-846 9060A				06/19/2023 19:14
23060002-026A	KIN-XPW03-pore	06/13/2023 12:49	06/13/2023 17:15		
	Ferrous Iron by CHEMets Kit				06/13/2023 12:49
	Field Elevation Measurements				06/13/2023 12:49
	Standard Methods 2130 B Field				06/13/2023 12:49
	Standard Methods 18th Ed. 2580 B Field				06/13/2023 12:49
	Standard Methods 2320 B (Total) 1997, 2011				06/20/2023 10:14
	Standard Methods 2320 B 1997, 2011				06/20/2023 10:14
	Standard Methods 2510 B Field				06/13/2023 12:49
	Standard Methods 2540 C (Total) 1997, 2011				06/15/2023 11:47
	Standard Methods 2550 B Field				06/13/2023 12:49
	Standard Methods 4500-NO2 B (Total) 2000, 2011				06/14/2023 13:59
	Standard Methods 4500-NO3 F (Total) 2000, 2011				06/14/2023 14:49
	Standard Methods 4500-NO3 F (Total) 2000, 2011				06/14/2023 14:49
	Standard Methods 4500-O G Field				06/13/2023 12:49
	Standard Methods 4500-P E 1999				06/15/2023 10:16
	Standard Methods 4500-P E 1999, 2011				06/15/2023 10:16
	SW-846 9036 (Total)				06/16/2023 17:39
	SW-846 9040B Field				06/13/2023 12:49
	SW-846 9214 (Total)				06/21/2023 11:11
	SW-846 9251 (Total)				06/15/2023 23:45
23060002-026B	KIN-XPW03-pore	06/13/2023 12:49	06/13/2023 17:15		
	Standard Methods 2320 B (Dissolved) 1997, 2011				06/19/2023 11:33
	Standard Methods 2320 B (Dissolved) 1997, 2011				06/19/2023 11:33
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				06/14/2023 14:09





## Dates Report

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23060002

Client Project: KIN-23Q2

Report Date: 04-Aug-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	Test Name				
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				06/14/2023 16:03
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				06/14/2023 16:03
	Standard Methods 4500-P E (Dissolved) 1999, 2011				06/15/2023 7:31
	Standard Methods 4500-P E (Dissolved) 1999				06/15/2023 7:31
	SW-846 9036 (Dissolved)				06/16/2023 15:42
	SW-846 9251 (Dissolved)				06/15/2023 19:32
23060002-026C	KIN-XPW03-pore	06/13/2023 12:49	06/13/2023 17:15		
	SW-846 3005A, 6010B, Metals by ICP (Total)			06/15/2023 16:33	06/21/2023 17:08
	SW-846 3005A, 6010B, Metals by ICP (Total)			06/15/2023 16:33	06/22/2023 18:33
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/15/2023 16:33	06/19/2023 13:52
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/15/2023 16:33	06/21/2023 2:26
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/15/2023 16:33	06/26/2023 14:04
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/15/2023 16:33	06/27/2023 8:46
	SW-846 7470A (Total)			06/21/2023 17:11	06/22/2023 11:18
23060002-026D	KIN-XPW03-pore	06/13/2023 12:49	06/13/2023 17:15		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			06/18/2023 11:30	06/20/2023 20:09
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			06/18/2023 11:30	06/21/2023 16:19
23060002-026E	KIN-XPW03-pore	06/13/2023 12:49	06/13/2023 17:15		
	SW-846 9060A				06/19/2023 22:30
23060002-026F	KIN-XPW03-pore	06/13/2023 12:49	06/13/2023 17:15		
	SW-846 9060A				06/19/2023 19:20
23060002-027A	KIN-XPW04-pore	06/13/2023 12:11	06/13/2023 17:15		
	Ferrous Iron by CHEMets Kit				06/13/2023 12:11
	Field Elevation Measurements				06/13/2023 12:11
	Standard Methods 2130 B Field				06/13/2023 12:11
	Standard Methods 18th Ed. 2580 B Field				06/13/2023 12:11
	Standard Methods 2320 B (Total) 1997, 2011				06/20/2023 10:20
	Standard Methods 2320 B 1997, 2011				06/20/2023 10:20
	Standard Methods 2510 B Field				06/13/2023 12:11
	Standard Methods 2540 C (Total) 1997, 2011				06/15/2023 11:47
	Standard Methods 2550 B Field				06/13/2023 12:11
	Standard Methods 4500-NO2 B (Total) 2000, 2011				06/14/2023 16:36
	Standard Methods 4500-NO3 F (Total) 2000, 2011				06/14/2023 14:57
	Standard Methods 4500-NO3 F (Total) 2000, 2011				06/14/2023 14:57
	Standard Methods 4500-O G Field				06/13/2023 12:11
	Standard Methods 4500-P E 1999				06/15/2023 9:55
	Standard Methods 4500-P E 1999, 2011				06/15/2023 9:55



## Dates Report

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23060002

Client Project: KIN-23Q2

Report Date: 04-Aug-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	Test Name				
	SW-846 9036 (Total)				06/15/2023 23:51
	SW-846 9040B Field				06/13/2023 12:11
	SW-846 9214 (Total)				06/21/2023 11:13
	SW-846 9251 (Total)				06/15/2023 23:53
23060002-027B	KIN-XPW04-pore	06/13/2023 12:11	06/13/2023 17:15		
	Standard Methods 2320 B (Dissolved) 1997, 2011				06/19/2023 11:41
	Standard Methods 2320 B (Dissolved) 1997, 2011				06/19/2023 11:41
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				06/14/2023 14:10
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				06/14/2023 16:06
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				06/14/2023 16:06
	Standard Methods 4500-P E (Dissolved) 1999, 2011				06/15/2023 10:12
	Standard Methods 4500-P E (Dissolved) 1999				06/15/2023 10:12
	SW-846 9036 (Dissolved)				06/15/2023 19:52
	SW-846 9251 (Dissolved)				06/15/2023 19:53
23060002-027C	KIN-XPW04-pore	06/13/2023 12:11	06/13/2023 17:15		
	SW-846 3005A, 6010B, Metals by ICP (Total)			06/15/2023 16:33	06/21/2023 17:10
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/15/2023 16:33	06/19/2023 13:58
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/15/2023 16:33	06/26/2023 15:23
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/15/2023 16:33	06/27/2023 10:00
	SW-846 7470A (Total)			06/21/2023 17:11	06/22/2023 11:30
23060002-027D	KIN-XPW04-pore	06/13/2023 12:11	06/13/2023 17:15		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			06/19/2023 19:16	06/21/2023 16:57
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			06/19/2023 19:16	06/26/2023 9:07
23060002-027E	KIN-XPW04-pore	06/13/2023 12:11	06/13/2023 17:15		
	SW-846 9060A				06/19/2023 22:36
23060002-027F	KIN-XPW04-pore	06/13/2023 12:11	06/13/2023 17:15		
	SW-846 9060A				06/19/2023 19:26
23060002-028A	KIN-XSG-01	06/12/2023 11:21	06/12/2023 17:20		
	Field Elevation Measurements				06/12/2023 11:21
23060002-029A	KIN-YSG-02	06/12/2023 11:15	06/12/2023 17:20		
	Field Elevation Measurements				06/12/2023 11:15
23060002-030A	KIN-MW-08 Duplicate	06/12/2023 14:10	06/12/2023 17:20		
	Ferrous Iron by CHEMets Kit				06/12/2023 14:10
	Field Elevation Measurements				06/12/2023 14:10
	Standard Methods 2130 B Field				06/12/2023 14:10
	Standard Methods 18th Ed. 2580 B Field				06/12/2023 14:10
	Standard Methods 2320 B (Total) 1997, 2011				06/20/2023 10:26



## Dates Report

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23060002

Client Project: KIN-23Q2

Report Date: 04-Aug-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	Test Name				
	Standard Methods 2320 B 1997, 2011				06/20/2023 10:26
	Standard Methods 2510 B Field				06/12/2023 14:10
	Standard Methods 2540 C (Total) 1997, 2011				06/13/2023 11:32
	Standard Methods 2550 B Field				06/12/2023 14:10
	Standard Methods 4500-NO2 B (Total) 2000, 2011				06/13/2023 18:17
	Standard Methods 4500-NO3 F (Total) 2000, 2011				06/13/2023 15:49
	Standard Methods 4500-NO3 F (Total) 2000, 2011				06/13/2023 15:49
	Standard Methods 4500-O G Field				06/12/2023 14:10
	Standard Methods 4500-P E 1999				06/13/2023 15:29
	Standard Methods 4500-P E 1999, 2011				06/13/2023 15:29
	SW-846 9036 (Total)				06/16/2023 17:58
	SW-846 9040B Field				06/12/2023 14:10
	SW-846 9214 (Total)				06/21/2023 11:16
	SW-846 9251 (Total)				06/16/2023 0:14
23060002-030B	KIN-MW-08 Duplicate	06/12/2023 14:10	06/12/2023 17:20		
	Standard Methods 2320 B (Dissolved) 1997, 2011				06/19/2023 11:47
	Standard Methods 2320 B (Dissolved) 1997, 2011				06/19/2023 11:47
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				06/13/2023 18:04
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				06/13/2023 15:16
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				06/13/2023 15:16
	Standard Methods 4500-P E (Dissolved) 1999, 2011				06/13/2023 15:10
	Standard Methods 4500-P E (Dissolved) 1999				06/13/2023 15:10
	SW-846 9036 (Dissolved)				06/16/2023 15:45
	SW-846 9251 (Dissolved)				06/15/2023 20:01
23060002-030C	KIN-MW-08 Duplicate	06/12/2023 14:10	06/12/2023 17:20		
	SW-846 3005A, 6010B, Metals by ICP (Total)			06/15/2023 16:33	06/21/2023 17:11
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/15/2023 16:33	06/19/2023 14:03
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/15/2023 16:33	06/26/2023 15:28
	SW-846 7470A (Total)			06/21/2023 17:11	06/22/2023 11:32
23060002-030D	KIN-MW-08 Duplicate	06/12/2023 14:10	06/12/2023 17:20		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			06/19/2023 19:16	06/21/2023 17:01
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			06/19/2023 19:16	06/26/2023 8:41
23060002-030E	KIN-MW-08 Duplicate	06/12/2023 14:10	06/12/2023 17:20		
	SW-846 9060A				06/14/2023 18:52
23060002-030F	KIN-MW-08 Duplicate	06/12/2023 14:10	06/12/2023 17:20		
	SW-846 9060A				06/14/2023 17:06
23060002-031A	Field Blank	06/13/2023 13:54	06/13/2023 17:15		



## Dates Report

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23060002

Client Project: KIN-23Q2

Report Date: 04-Aug-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	Test Name				
	Standard Methods 2320 B (Total) 1997, 2011				06/20/2023 10:33
	Standard Methods 2320 B 1997, 2011				06/20/2023 10:33
	Standard Methods 2540 C (Total) 1997, 2011				06/15/2023 11:48
	Standard Methods 4500-NO2 B (Total) 2000, 2011				06/14/2023 13:59
	Standard Methods 4500-NO3 F (Total) 2000, 2011				06/14/2023 14:59
	Standard Methods 4500-NO3 F (Total) 2000, 2011				06/14/2023 14:59
	Standard Methods 4500-P E 1999				06/15/2023 9:58
	Standard Methods 4500-P E 1999, 2011				06/15/2023 9:58
	SW-846 9036 (Total)				06/16/2023 18:06
	SW-846 9214 (Total)				06/21/2023 11:18
	SW-846 9251 (Total)				06/16/2023 0:22
23060002-031B	Field Blank	06/13/2023 13:54	06/13/2023 17:15		
	Standard Methods 2320 B (Dissolved) 1997, 2011				06/19/2023 11:54
	Standard Methods 2320 B (Dissolved) 1997, 2011				06/19/2023 11:54
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				06/14/2023 14:10
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				06/14/2023 16:25
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				06/14/2023 16:25
	Standard Methods 4500-P E (Dissolved) 1999, 2011				06/15/2023 10:14
	Standard Methods 4500-P E (Dissolved) 1999				06/15/2023 10:14
	SW-846 9036 (Dissolved)				06/16/2023 0:29
	SW-846 9214 (Dissolved)				06/21/2023 11:29
	SW-846 9251 (Dissolved)				06/16/2023 0:30
23060002-031C	Field Blank	06/13/2023 13:54	06/13/2023 17:15		
	SW-846 3005A, 6010B, Metals by ICP (Total)			06/15/2023 16:33	06/21/2023 17:24
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/15/2023 16:33	06/19/2023 14:09
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			06/15/2023 16:33	06/26/2023 15:17
	SW-846 7470A (Total)			06/21/2023 17:11	06/22/2023 11:35
23060002-031D	Field Blank	06/13/2023 13:54	06/13/2023 17:15		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			06/19/2023 19:16	06/21/2023 17:03
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			06/19/2023 19:16	06/26/2023 9:09
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			06/19/2023 19:16	06/21/2023 10:52
	SW-846 7470A (Dissolved)			06/21/2023 17:11	06/22/2023 11:37
23060002-031E	Field Blank	06/13/2023 13:54	06/13/2023 17:15		
	SW-846 9060A				06/19/2023 23:14
23060002-031F	Field Blank	06/13/2023 13:54	06/13/2023 17:15		
	SW-846 9060A				06/19/2023 20:04



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23060002

Client Project: KIN-23Q2

Report Date: 04-Aug-23

### STANDARD METHODS 2510 B FIELD

Batch R330342 SampType: LCS Units  $\mu\text{S/cm}$

SampID: LCS-R330342

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	06/12/2023
Spec. Conductance, Field	*	0		1430	1412	0	101.0	90	110	06/12/2023
Spec. Conductance, Field	*	0		1420	1412	0	100.7	90	110	06/13/2023
Spec. Conductance, Field	*	0		1410	1412	0	100.0	90	110	06/13/2023

### SW-846 9040B FIELD

Batch R330342 SampType: LCS Units

SampID: LCS-R330342

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	06/12/2023
pH	*	1.00		7.06	7.000	0	100.9	98.57	101.4	06/12/2023
pH	*	1.00		7.05	7.000	0	100.7	98.57	101.4	06/13/2023
pH	*	1.00		7.10	7.000	0	101.4	98.57	101.4	06/13/2023

### STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R330218 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	06/13/2023

Batch R330218 SampType: LCS Units mg/L

SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		922	1000	0	92.2	90	110	06/13/2023

Batch R330218 SampType: DUP Units mg/L

SampID: 23060002-030ADUP

RPD Limit: 10

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		814				810.0	0.49	06/13/2023

Batch R330392 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	06/15/2023
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	06/15/2023



## Quality Control Results

<http://www.teklabinc.com/>

**Client:** Ramboll  
**Client Project:** KIN-23Q2

**Work Order:** 23060002  
**Report Date:** 04-Aug-23

### STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R330392		SampType: LCS		Units mg/L						
SampID: LCS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		<b>924</b>	1000	0	92.4	90	110	06/15/2023
Total Dissolved Solids		20		<b>964</b>	1000	0	96.4	90	110	06/15/2023

Batch R330392		SampType: DUP		Units mg/L							RPD Limit: 10
SampID: 23060002-018ADUP											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Total Dissolved Solids		20		<b>1820</b>				1772	2.78	06/15/2023	

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

Batch R330195		SampType: MS		Units mg/L						
SampID: 23060002-001BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		<b>0.55</b>	0.5000	0	109.4	85	115	06/13/2023

Batch R330195		SampType: MSD		Units mg/L							RPD Limit: 10
SampID: 23060002-001BMDS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05		<b>0.53</b>	0.5000	0	106.4	0.5470	2.78	06/13/2023	

Batch R330195		SampType: MS		Units mg/L						
SampID: 23060002-002BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		<b>0.53</b>	0.5000	0	106.8	85	115	06/13/2023

Batch R330195		SampType: MSD		Units mg/L							RPD Limit: 10
SampID: 23060002-002BMDS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05		<b>0.53</b>	0.5000	0	106.6	0.5340	0.19	06/13/2023	

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

Batch R330195		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		<b>&lt; 0.05</b>	0.0250	0	0	-100	100	06/13/2023
Nitrogen, Nitrite (as N)		0.05		<b>&lt; 0.05</b>	0.0250	0	0	-100	100	06/13/2023



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23060002

Client Project: KIN-23Q2

Report Date: 04-Aug-23

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

**Batch R330195**    **SampType: MBLK**    Units **mg/Kg**

SampID: MB-R330195

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.50		<b>&lt; 0.50</b>	0.0250	0	0	-100	100	06/13/2023

**Batch R330195**    **SampType: LCS**    Units **mg/L**

SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.25		<b>0.67</b>	0.6510	0	102.9	90	110	06/13/2023
Nitrogen, Nitrite (as N)		0.25		<b>0.67</b>	0.6510	0	102.9	90	110	06/13/2023

**Batch R330195**    **SampType: LCS**    Units **mg/Kg**

SampID: LCS-R330195

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		2.50	J	<b>0.67</b>	0.6510	0	102.9	90	110	06/13/2023

**Batch R330195**    **SampType: MS**    Units **mg/L**

SampID: 23060002-003AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		<b>0.53</b>	0.5000	0	106.0	85	115	06/14/2023

**Batch R330195**    **SampType: MSD**    Units **mg/L**    RPD Limit: 10

SampID: 23060002-003AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		<b>0.53</b>	0.5000	0	106.6	0.5300	0.56	06/14/2023

**Batch R330195**    **SampType: MS**    Units **mg/L**

SampID: 23060002-005AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		<b>0.54</b>	0.5000	0	107.2	85	115	06/14/2023

**Batch R330195**    **SampType: MSD**    Units **mg/L**    RPD Limit: 10

SampID: 23060002-005AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		<b>0.54</b>	0.5000	0	108.2	0.5360	0.93	06/14/2023



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23060002

Client Project: KIN-23Q2

Report Date: 04-Aug-23

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

Batch R330195		SampType: MS		Units mg/L							Date Analyzed
SampID: 23060002-014AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05		<b>0.53</b>	0.5000	0	106.0	85	115	06/14/2023	

Batch R330195		SampType: MSD		Units mg/L							RPD Limit: 10	Date Analyzed
SampID: 23060002-014AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Nitrogen, Nitrite (as N)		0.05		<b>0.53</b>	0.5000	0	106.6	0.5300	0.56	06/14/2023		

Batch R330195		SampType: MS		Units mg/L							Date Analyzed
SampID: 23060002-022AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05		<b>0.53</b>	0.5000	0	106.0	85	115	06/14/2023	

Batch R330195		SampType: MSD		Units mg/L							RPD Limit: 10	Date Analyzed
SampID: 23060002-022AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Nitrogen, Nitrite (as N)		0.05		<b>0.54</b>	0.5000	0	107.4	0.5300	1.31	06/14/2023		

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

Batch R330192		SampType: MS		Units mg/L							Date Analyzed
SampID: 23060002-001BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		<b>0.243</b>	0.2500	0	97.2	85	115	06/13/2023	

Batch R330192		SampType: MSD		Units mg/L							RPD Limit: 10	Date Analyzed
SampID: 23060002-001BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Nitrogen, Nitrate-Nitrite (as N)		0.050		<b>0.240</b>	0.2500	0	96.0	0.2430	1.24	06/13/2023		

Batch R330248		SampType: MS		Units mg/L							Date Analyzed
SampID: 23060002-015BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.500		<b>6.23</b>	2.500	3.994	89.3	85	115	06/14/2023	





## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23060002

Client Project: KIN-23Q2

Report Date: 04-Aug-23

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

Batch R330248		SampType: MSD		Units mg/L				RPD Limit: 10			Date Analyzed
SampID: 23060002-015BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.500		<b>6.16</b>	2.500	3.994	86.6	6.226	1.07	06/14/2023	

Batch R330248		SampType: MS		Units mg/L				RPD Limit: 10		Date Analyzed
SampID: 23060002-027BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050	S	<b>0.205</b>	0.2500	0.01700	75.2	85	115	06/14/2023

Batch R330248		SampType: MSD		Units mg/L				RPD Limit: 10			Date Analyzed
SampID: 23060002-027BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050	S	<b>0.217</b>	0.2500	0.01700	80.0	0.2050	5.69	06/14/2023	

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

Batch R330192		SampType: MBLK		Units mg/L				RPD Limit: 10		Date Analyzed
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		< <b>0.050</b>						06/13/2023
Nitrogen, Nitrate-Nitrite (as N)		0.050		< <b>0.050</b>	0.0090	0	0	-100	100	06/13/2023

Batch R330192		SampType: LCS		Units mg/L				RPD Limit: 10		Date Analyzed
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		<b>0.483</b>	0.5000	0	96.6	90	110	06/13/2023

Batch R330192		SampType: MS		Units mg/L				RPD Limit: 10		Date Analyzed
SampID: 23060002-006AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		<b>0.246</b>	0.2500	0	98.4	85	115	06/13/2023

Batch R330192		SampType: MSD		Units mg/L				RPD Limit: 10			Date Analyzed
SampID: 23060002-006AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		<b>0.247</b>	0.2500	0	98.8	0.2460	0.41	06/13/2023	



## Quality Control Results

<http://www.teklabinc.com/>

**Client:** Ramboll

**Work Order:** 23060002

**Client Project:** KIN-23Q2

**Report Date:** 04-Aug-23

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

Batch R330248		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						06/14/2023	
Nitrogen, Nitrate-Nitrite (as N)		0.050		< 0.050	0.0090	0	0	-100	100	06/14/2023	

Batch R330248		SampType: LCS		Units mg/L							
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.512	0.5000	0	102.4	90	110	06/14/2023	

Batch R330248		SampType: MS		Units mg/L							
SampID: 23060002-003AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.258	0.2500	0.02100	94.8	85	115	06/14/2023	

Batch R330248		SampType: MSD		Units mg/L						RPD Limit: 10		Date Analyzed
SampID: 23060002-003AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.257	0.2500	0.02100	94.4	0.2580	0.39	06/14/2023		

Batch R330248		SampType: MS		Units mg/L							
SampID: 23060002-015AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.259	0.2500	0.02000	95.6	85	115	06/14/2023	

Batch R330248		SampType: MSD		Units mg/L						RPD Limit: 10		Date Analyzed
SampID: 23060002-015AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.258	0.2500	0.02000	95.2	0.2590	0.39	06/14/2023		

Batch R330248		SampType: MS		Units mg/L							
SampID: 23060002-026AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.434	0.2500	0.1830	100.4	85	115	06/14/2023	



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23060002

Client Project: KIN-23Q2

Report Date: 04-Aug-23

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

Batch R330248		SampType: MSD		Units mg/L				RPD Limit: 10			Date Analyzed
SampID: 23060002-026AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		<b>0.440</b>	0.2500	0.1830	102.8	0.4340	1.37	06/14/2023	

Batch R330378		SampType: MBLK		Units mg/L				Low Limit		High Limit		Date Analyzed
SampID: ICB/MBLK												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed		
Nitrogen, Nitrate-Nitrite (as N)		0.050		<b>&lt; 0.050</b>	0.0090	0	0	-100	100	06/15/2023		

Batch R330378		SampType: LCS		Units mg/L				Low Limit		High Limit		Date Analyzed
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		<b>0.521</b>	0.5000	0	104.2	90	110	06/15/2023		

### STANDARD METHODS 4500-P E (DISSOLVED) 1999, 2011

Batch R330211		SampType: MS		Units mg/L				Low Limit		High Limit		Date Analyzed
SampID: 23060002-016BMS												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed		
Phosphorus, Orthophosphate (as P)	*	0.010		<b>0.048</b>	0.0500	0	96.0	85	115	06/13/2023		

Batch R330211		SampType: MSD		Units mg/L				RPD Limit: 10			Date Analyzed
SampID: 23060002-016BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Phosphorus, Orthophosphate (as P)	*	0.010		<b>0.048</b>	0.0500	0	96.0	0.04800	0.00	06/13/2023	

Batch R330344		SampType: MS		Units mg/L				Low Limit		High Limit		Date Analyzed
SampID: 23060002-018BMS												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed		
Phosphorus, Orthophosphate (as P)	*	0.010		<b>0.048</b>	0.0500	0	96.0	85	115	06/15/2023		

Batch R330344		SampType: MSD		Units mg/L				RPD Limit: 10			Date Analyzed
SampID: 23060002-018BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Phosphorus, Orthophosphate (as P)	*	0.010		<b>0.048</b>	0.0500	0	96.0	0.04800	0.00	06/15/2023	



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23060002

Client Project: KIN-23Q2

Report Date: 04-Aug-23

### STANDARD METHODS 4500-P E (DISSOLVED) 1999, 2011

Batch R330344		SampType: MS		Units mg/L							Date Analyzed
SampID: 23060002-026BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Phosphorus, Orthophosphate (as P)	*	0.010		<b>0.054</b>	0.0500	0.007000	94.0	85	115	06/15/2023	

Batch R330344		SampType: MSD		Units mg/L		RPD Limit: 10					Date Analyzed
SampID: 23060002-026BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Phosphorus, Orthophosphate (as P)	*	0.010		<b>0.056</b>	0.0500	0.007000	98.0	0.05400	3.64	06/15/2023	

### STANDARD METHODS 4500-P E 1999, 2011

Batch R330211		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Phosphorus, Orthophosphate (as P)	*	0.010		< 0.010	0.0020	0	0	-100	100	06/13/2023	

Batch R330211		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Phosphorus, Orthophosphate (as P)	*	0.010		<b>0.101</b>	0.1000	0	101.0	90	110	06/13/2023	

Batch R330211		SampType: MS		Units mg/L							Date Analyzed
SampID: 23060002-008AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Phosphorus, Orthophosphate (as P)	*	0.010		<b>0.050</b>	0.0500	0	100.0	85	115	06/13/2023	

Batch R330211		SampType: MSD		Units mg/L		RPD Limit: 10					Date Analyzed
SampID: 23060002-008AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Phosphorus, Orthophosphate (as P)	*	0.010		<b>0.051</b>	0.0500	0	102.0	0.05000	1.98	06/13/2023	

Batch R330344		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Phosphorus, Orthophosphate (as P)	*	0.010		< 0.010	0.0020	0	0	-100	100	06/15/2023	



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23060002

Client Project: KIN-23Q2

Report Date: 04-Aug-23

### STANDARD METHODS 4500-P E 1999, 2011

Batch R330344		SampType: LCS		Units mg/L							
SampID: LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phosphorus, Orthophosphate (as P)	*	0.010		<b>0.097</b>	0.1000	0	97.0	90	110	06/15/2023	

Batch R330344		SampType: MS		Units mg/L							
SampID: 23060002-005AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phosphorus, Orthophosphate (as P)	*	0.010		<b>0.059</b>	0.0500	0.01500	88.0	85	115	06/15/2023	

Batch R330344		SampType: MSD		Units mg/L						RPD Limit: 10		Date Analyzed
SampID: 23060002-005AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Phosphorus, Orthophosphate (as P)	*	0.010		<b>0.064</b>	0.0500	0.01500	98.0	0.05900	8.13	06/15/2023		

Batch R330344		SampType: MS		Units mg/L							
SampID: 23060002-019AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phosphorus, Orthophosphate (as P)	*	0.010		<b>0.064</b>	0.0500	0.01100	106.0	85	115	06/15/2023	

Batch R330344		SampType: MSD		Units mg/L						RPD Limit: 10		Date Analyzed
SampID: 23060002-019AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Phosphorus, Orthophosphate (as P)	*	0.010		<b>0.063</b>	0.0500	0.01100	104.0	0.06400	1.57	06/15/2023		

### SW-846 9036 (DISSOLVED)

Batch R330335		SampType: MS		Units mg/L							
SampID: 23060002-019BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10	S	<b>23</b>	20.00	8.080	72.7	85	115	06/15/2023	

Batch R330335		SampType: MSD		Units mg/L						RPD Limit: 10		Date Analyzed
SampID: 23060002-019BMMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Sulfate		10	S	<b>22</b>	20.00	8.080	70.4	22.61	1.97	06/15/2023		



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23060002

Client Project: KIN-23Q2

Report Date: 04-Aug-23

### SW-846 9036 (DISSOLVED)

Batch R330416		SampType: MS		Units mg/L							Date Analyzed
SampID: 23060002-001BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		20	E	117	40.00	82.70	85.8	85	115	06/17/2023	

Batch R330416		SampType: MSD		Units mg/L							RPD Limit: 10	Date Analyzed
SampID: 23060002-001BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Sulfate		20	E	118	40.00	82.70	87.6	117.0	0.61	06/17/2023		

Batch R330416		SampType: MS		Units mg/L							Date Analyzed
SampID: 23060002-011BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		200		770	400.0	385.3	96.2	85	115	06/16/2023	

Batch R330416		SampType: MSD		Units mg/L							RPD Limit: 10	Date Analyzed
SampID: 23060002-011BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Sulfate		200		759	400.0	385.3	93.5	770.1	1.43	06/16/2023		

### SW-846 9036 (TOTAL)

Batch R330335		SampType: MBLK		Units mg/L							Date Analyzed
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	06/15/2023	

Batch R330335		SampType: LCS		Units mg/L							Date Analyzed
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10		20	20.00	0	99.8	90	110	06/15/2023	

Batch R330335		SampType: MS		Units mg/L							Date Analyzed
SampID: 23060002-002AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		50		238	100.0	148.7	89.3	85	115	06/15/2023	



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23060002

Client Project: KIN-23Q2

Report Date: 04-Aug-23

### SW-846 9036 (TOTAL)

Batch R330335		SampType: MSD		Units mg/L				RPD Limit: 10			Date Analyzed
SampID: 23060002-002AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Sulfate		50		247	100.0	148.7	97.8	238.0	3.52	06/15/2023	

Batch R330335		SampType: MS		Units mg/L				RPD Limit: 10		Date Analyzed
SampID: 23060002-003AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50		224	100.0	130.0	94.3	85	115	06/16/2023

Batch R330335		SampType: MSD		Units mg/L				RPD Limit: 10			Date Analyzed
SampID: 23060002-003AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Sulfate		50		232	100.0	130.0	101.9	224.4	3.31	06/16/2023	

Batch R330416		SampType: MBLK		Units mg/L				RPD Limit: 10		Date Analyzed
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	06/16/2023

Batch R330416		SampType: LCS		Units mg/L				RPD Limit: 10		Date Analyzed
SampID: ICB/LCS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		19	20.00	0	95.8	90	110	06/16/2023

Batch R330416		SampType: MS		Units mg/L				RPD Limit: 10		Date Analyzed
SampID: 23060002-006AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50	E	273	100.0	185.2	87.8	85	115	06/16/2023

Batch R330416		SampType: MSD		Units mg/L				RPD Limit: 10			Date Analyzed
SampID: 23060002-006AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Sulfate		50	E	274	100.0	185.2	88.7	273.0	0.32	06/16/2023	

Batch R330562		SampType: MBLK		Units mg/L				RPD Limit: 10		Date Analyzed
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	06/20/2023



## Quality Control Results

<http://www.teklabinc.com/>

**Client:** Ramboll

**Work Order:** 23060002

**Client Project:** KIN-23Q2

**Report Date:** 04-Aug-23

**SW-846 9036 (TOTAL)**

Batch R330562		SampType: LCS		Units mg/L						
SampID: ICV/LCS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		19	20.00	0	92.8	90	110	06/20/2023

**SW-846 9060A**

Batch R330303		SampType: MBLK		Units mg/L						
SampID: Filter Blank										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Organic Carbon (TOC)		1.0		< 1.0	0.4500	0	0	-100	100	06/14/2023

Batch R330303		SampType: MBLK		Units mg/L						
SampID: ICB/MBLK										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Organic Carbon (TOC)		1.0		< 1.0	0.4500	0	0	-100	100	06/14/2023

Batch R330303		SampType: LCS		Units mg/L						
SampID: ICV/LCS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Organic Carbon (TOC)		1.0		4.7	5.000	0	93.2	90	110	06/14/2023

Batch R330303		SampType: MS		Units mg/L						
SampID: 23060002-001FMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Dissolved Organic Carbon		1.0		5.6	5.000	0.8300	94.4	85	115	06/14/2023

Batch R330303		SampType: MSD		Units mg/L						
SampID: 23060002-001FMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Dissolved Organic Carbon		1.0		5.6	5.000	0.8300	96.0	5.550	1.43	06/14/2023

Batch R330303		SampType: MS		Units mg/L						
SampID: 23060002-002EMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Organic Carbon (TOC)		1.0	S	8.4	5.000	2.590	117.0	85	115	06/14/2023





## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23060002

Client Project: KIN-23Q2

Report Date: 04-Aug-23

**SW-846 9060A**

Batch R330303		SampType: MSD		Units mg/L			RPD Limit: 10			
SampID: 23060002-002EMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		1.0		8.0	5.000	2.590	107.2	8.440	5.98	06/14/2023

Batch R330486		SampType: MBLK		Units mg/L						
SampID: Filter Blank										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Organic Carbon (TOC)		1.0		< 1.0	0.4500	0	0	-100	100	06/20/2023

Batch R330486		SampType: MBLK		Units mg/L						
SampID: ICB/MBLK										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Organic Carbon (TOC)		1.0		< 1.0	0.4500	0	0	-100	100	06/19/2023

Batch R330486		SampType: LCS		Units mg/L						
SampID: ICV/LCS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Organic Carbon (TOC)		1.0		4.9	5.000	0	97.6	90	110	06/19/2023

Batch R330486		SampType: MS		Units mg/L						
SampID: 23060002-003EMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Organic Carbon (TOC)		1.0		5.6	5.000	1.350	85.4	85	115	06/19/2023

Batch R330486		SampType: MSD		Units mg/L			RPD Limit: 10			
SampID: 23060002-003EMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		1.0		5.7	5.000	1.350	86.4	5.620	0.89	06/19/2023

Batch R330486		SampType: MS		Units mg/L						
SampID: 23060002-019FMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Dissolved Organic Carbon		1.0		7.6	5.000	3.310	85.6	85	115	06/19/2023

Batch R330486		SampType: MSD		Units mg/L			RPD Limit: 10			
SampID: 23060002-019FMDS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Dissolved Organic Carbon		1.0		7.7	5.000	3.310	87.2	7.590	1.05	06/19/2023



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23060002

Client Project: KIN-23Q2

Report Date: 04-Aug-23

**SW-846 9060A**

**Batch R330596**    **SampType: MBLK**    Units mg/L

SampID: Filter Blank

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Organic Carbon (TOC)		1.0		< 1.0	0.4500	0	0	-100	100	06/21/2023

**Batch R330596**    **SampType: MBLK**    Units mg/L

SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Organic Carbon (TOC)		1.0		< 1.0	0.4500	0	0	-100	100	06/21/2023

**Batch R330596**    **SampType: LCS**    Units mg/L

SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Organic Carbon (TOC)		1.0		4.9	5.000	0	97.6	90	110	06/21/2023

**Batch R330596**    **SampType: MS**    Units mg/L

SampID: 23060002-003FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Dissolved Organic Carbon		1.0		5.9	5.000	1.140	95.0	85	115	06/21/2023

**Batch R330596**    **SampType: MSD**    Units mg/L

SampID: 23060002-003FMSD

RPD Limit: 10

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Dissolved Organic Carbon		1.0		5.8	5.000	1.140	93.8	5.890	1.02	06/21/2023

**Batch R330596**    **SampType: MS**    Units mg/L

SampID: 23060002-015EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Organic Carbon (TOC)		1.0		6.3	5.000	1.510	96.2	85	115	06/21/2023

**Batch R330596**    **SampType: MSD**    Units mg/L

SampID: 23060002-015EMSD

RPD Limit: 10

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		1.0		6.2	5.000	1.510	94.0	6.320	1.76	06/21/2023

**Batch R330847**    **SampType: MBLK**    Units mg/L

SampID: Filter Blank

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Organic Carbon (TOC)		1.0		< 1.0	0.4500	0	0	-100	100	06/26/2023



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23060002

Client Project: KIN-23Q2

Report Date: 04-Aug-23

### SW-846 9060A

Batch R330847		SampType: MBLK		Units mg/L						
SampID: ICB/MBLK										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Organic Carbon (TOC)		1.0		< 1.0	0.4500	0	0	-100	100	06/26/2023

Batch R330847		SampType: LCS		Units mg/L						
SampID: ICB/LCS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Organic Carbon (TOC)		1.0		4.8	5.000	0	95.8	90	110	06/26/2023

### SW-846 9214 (DISSOLVED)

Batch R330565		SampType: MS		Units mg/L						
SampID: 23060002-031BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		1.96	2.000	0	98.2	75	125	06/21/2023

Batch R330565		SampType: MSD		Units mg/L						
SampID: 23060002-031BMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		1.96	2.000	0	97.9	1.965	0.36	06/21/2023

### SW-846 9214 (TOTAL)

Batch R330565		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	06/21/2023

Batch R330565		SampType: LCS		Units mg/L						
SampID: LCS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		1.00	1.000	0	100.0	90	110	06/21/2023

Batch R330565		SampType: MS		Units mg/L						
SampID: 23060002-010AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		2.62	2.000	0.4800	107.2	75	125	06/21/2023



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23060002

Client Project: KIN-23Q2

Report Date: 04-Aug-23

### SW-846 9214 (TOTAL)

Batch R330565		SampType: MSD		Units mg/L				RPD Limit: 15			
SampID: 23060002-010AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Fluoride		0.10		<b>2.64</b>	2.000	0.4800	108.0	2.625	0.61	06/21/2023	

Batch R330565		SampType: MS		Units mg/L				RPD Limit: 15			
SampID: 23060002-019AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		<b>2.34</b>	2.000	0.2990	102.0	75	125	06/21/2023	

Batch R330565		SampType: MSD		Units mg/L				RPD Limit: 15			
SampID: 23060002-019AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Fluoride		0.10		<b>2.36</b>	2.000	0.2990	103.1	2.338	0.98	06/21/2023	

Batch R330565		SampType: MS		Units mg/L				RPD Limit: 15			
SampID: 23060002-023AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		<b>2.50</b>	2.000	0.3800	106.0	75	125	06/21/2023	

Batch R330565		SampType: MSD		Units mg/L				RPD Limit: 15			
SampID: 23060002-023AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Fluoride		0.10		<b>2.45</b>	2.000	0.3800	103.4	2.501	2.10	06/21/2023	

### SW-846 9251 (DISSOLVED)

Batch R330374		SampType: MS		Units mg/L				RPD Limit: 15			
SampID: 23060002-011BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		<b>50</b>	20.00	31.16	93.4	85	115	06/15/2023	

Batch R330374		SampType: MSD		Units mg/L				RPD Limit: 15			
SampID: 23060002-011BMDS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Chloride		4		<b>50</b>	20.00	31.16	94.1	49.84	0.28	06/15/2023	



## Quality Control Results

<http://www.teklabinc.com/>

**Client:** Ramboll  
**Client Project:** KIN-23Q2

**Work Order:** 23060002  
**Report Date:** 04-Aug-23

### SW-846 9251 (DISSOLVED)

Batch R330374		SampType: MS		Units mg/L						
SampID: 23060002-019BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4	E	<b>64</b>	20.00	43.64	103.9	85	115	06/15/2023

Batch R330374		SampType: MSD		Units mg/L						
SampID: 23060002-019BMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4	E	<b>64</b>	20.00	43.64	101.9	64.41	0.61	06/15/2023

Batch R330429		SampType: MS		Units mg/L						
SampID: 23060002-001BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		<b>34</b>	20.00	14.79	96.2	85	115	06/17/2023

Batch R330429		SampType: MSD		Units mg/L						
SampID: 23060002-001BMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		<b>34</b>	20.00	14.79	94.4	34.03	1.03	06/17/2023

### SW-846 9251 (TOTAL)

Batch R330374		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		<b>&lt; 4</b>	0.5000	0	0	-100	100	06/15/2023

Batch R330374		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		<b>20</b>	20.00	0	99.7	90	110	06/15/2023

Batch R330374		SampType: MS		Units mg/L						
SampID: 23060002-002AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		<b>37</b>	20.00	16.18	102.6	85	115	06/15/2023



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23060002

Client Project: KIN-23Q2

Report Date: 04-Aug-23

### SW-846 9251 (TOTAL)

Batch R330374		SampType: MSD		Units mg/L				RPD Limit: 15			
SampID: 23060002-002AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Chloride		4		<b>35</b>	20.00	16.18	96.5	36.69	3.38	06/15/2023	

Batch R330374		SampType: MS		Units mg/L							
SampID: 23060002-003AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		<b>49</b>	20.00	30.21	92.3	85	115	06/16/2023	

Batch R330374		SampType: MSD		Units mg/L				RPD Limit: 15			
SampID: 23060002-003AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Chloride		4		<b>48</b>	20.00	30.21	89.5	48.66	1.14	06/16/2023	

Batch R330374		SampType: MS		Units mg/L							
SampID: 23060002-006AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		<b>21</b>	20.00	1.280	99.7	85	115	06/15/2023	

Batch R330374		SampType: MSD		Units mg/L				RPD Limit: 15			
SampID: 23060002-006AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Chloride		4		<b>21</b>	20.00	1.280	99.7	21.21	0.05	06/15/2023	

Batch R330429		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		<b>&lt; 4</b>	0.5000	0	0	-100	100	06/16/2023	

Batch R330429		SampType: LCS		Units mg/L							
SampID: ICB/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		<b>20</b>	20.00	0	101.6	90	110	06/16/2023	

Batch R330552		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		<b>&lt; 4</b>	0.5000	0	0	-100	100	06/20/2023	



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23060002

Client Project: KIN-23Q2

Report Date: 04-Aug-23

### SW-846 9251 (TOTAL)

Batch R330552 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		<b>20</b>	20.00	0	100.0	90	110	06/20/2023



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23060002

Client Project: KIN-23Q2

Report Date: 04-Aug-23

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

Batch 207442      SampType: MBLK      Units mg/L  
 SampID: MBLK-207442

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		< 0.0250	0.0127	0	0	-100	100	06/20/2023
Aluminum		0.0250		< 0.0250	0.0127	0	0	-100	100	06/21/2023
Antimony		0.0500	J	0.0068	0.0068	0	100.0	-100	100	06/20/2023
Antimony		0.0500		< 0.0500	0.0068	0	0	-100	100	06/21/2023
Arsenic		0.0250		< 0.0250	0.0087	0	0	-100	100	06/20/2023
Arsenic		0.0250		< 0.0250	0.0087	0	0	-100	100	06/21/2023
Barium		0.0025		< 0.0025	0.0007	0	0	-100	100	06/21/2023
Barium		0.0025		< 0.0025	0.0007	0	0	-100	100	06/20/2023
Beryllium		0.0005		< 0.0005	0.0002	0	0	-100	100	06/21/2023
Beryllium		0.0005		< 0.0005	0.0002	0	0	-100	100	06/20/2023
Boron		0.0200		< 0.0200	0.0090	0	0	-100	100	06/21/2023
Boron		0.0200		< 0.0200	0.0090	0	0	-100	100	06/20/2023
Cadmium		0.0020		< 0.0020	0.0005	0	0	-100	100	06/21/2023
Cadmium		0.0020		< 0.0020	0.0005	0	0	-100	100	06/20/2023
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	06/21/2023
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	06/20/2023
Chromium		0.0050		< 0.0050	0.0028	0	0	-100	100	06/21/2023
Chromium		0.0050		< 0.0050	0.0028	0	0	-100	100	06/20/2023
Cobalt		0.0050		< 0.0050	0.0020	0	0	-100	100	06/21/2023
Cobalt		0.0050		< 0.0050	0.0020	0	0	-100	100	06/20/2023
Iron		0.0400		< 0.0400	0.0200	0	0	-100	100	06/20/2023
Iron		0.0400		< 0.0400	0.0200	0	0	-100	100	06/21/2023
Lead		0.0150		< 0.0150	0.0014	0	0	-100	100	06/20/2023
Lead		0.0150		< 0.0150	0.0014	0	0	-100	100	06/21/2023
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	06/21/2023
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	06/20/2023
Manganese		0.0070		< 0.0070	0.0025	0	0	-100	100	06/21/2023
Manganese		0.0070		< 0.0070	0.0025	0	0	-100	100	06/20/2023
Molybdenum		0.0100		< 0.0100	0.0037	0	0	-100	100	06/21/2023
Molybdenum		0.0100		< 0.0100	0.0037	0	0	-100	100	06/20/2023
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	06/20/2023
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	06/21/2023
Selenium		0.0400		< 0.0400	0.0170	0	0	-100	100	06/20/2023
Selenium		0.0400		< 0.0400	0.0170	0	0	-100	100	06/21/2023
Silicon	*	0.0500		< 0.0500	0.0122	0	0	-100	100	06/20/2023
Silicon	*	0.0500		< 0.0500	0.0122	0	0	-100	100	06/21/2023





## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23060002

Client Project: KIN-23Q2

Report Date: 04-Aug-23

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

Batch 207442 SampType: MBLK Units mg/L

SampID: MBLK-207442

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	06/20/2023
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	06/21/2023
Thallium		0.0500		< 0.0500	0.0111	0	0	-100	100	06/20/2023
Thallium		0.0500		< 0.0500	0.0111	0	0	-100	100	06/21/2023



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23060002

Client Project: KIN-23Q2

Report Date: 04-Aug-23

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

Batch 207442      SampType: LCS      Units mg/L  
 SampID: LCS-207442

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		<b>1.78</b>	2.000	0	89.0	85	115	06/21/2023
Aluminum		0.0250		<b>1.74</b>	2.000	0	87.1	85	115	06/20/2023
Antimony		0.0500		<b>0.430</b>	0.5000	0	86.0	85	115	06/20/2023
Antimony		0.0500		<b>0.450</b>	0.5000	0	90.1	85	115	06/21/2023
Arsenic		0.0250		<b>0.456</b>	0.5000	0	91.2	85	115	06/20/2023
Arsenic		0.0250		<b>0.482</b>	0.5000	0	96.5	85	115	06/21/2023
Barium		0.0025		<b>1.80</b>	2.000	0	90.2	85	115	06/20/2023
Barium		0.0025		<b>1.82</b>	2.000	0	91.1	85	115	06/21/2023
Beryllium		0.0005		<b>0.0455</b>	0.0500	0	91.0	85	115	06/20/2023
Beryllium		0.0005		<b>0.0456</b>	0.0500	0	91.2	85	115	06/21/2023
Boron		0.0200		<b>0.450</b>	0.5000	0	90.1	85	115	06/20/2023
Boron		0.0200		<b>0.459</b>	0.5000	0	91.8	85	115	06/21/2023
Cadmium		0.0020		<b>0.0445</b>	0.0500	0	89.0	85	115	06/20/2023
Cadmium		0.0020		<b>0.0458</b>	0.0500	0	91.6	85	115	06/21/2023
Calcium		0.100		<b>2.25</b>	2.500	0	90.0	85	115	06/20/2023
Calcium		0.100		<b>2.40</b>	2.500	0	96.2	85	115	06/21/2023
Chromium		0.0050		<b>0.176</b>	0.2000	0	88.1	85	115	06/20/2023
Chromium		0.0050		<b>0.184</b>	0.2000	0	91.8	85	115	06/21/2023
Cobalt		0.0050		<b>0.471</b>	0.5000	0	94.2	85	115	06/21/2023
Cobalt		0.0050		<b>0.447</b>	0.5000	0	89.4	85	115	06/20/2023
Iron		0.0400		<b>1.84</b>	2.000	0	92.2	85	115	06/21/2023
Iron		0.0400		<b>1.80</b>	2.000	0	90.2	85	115	06/20/2023
Lead		0.0150		<b>0.442</b>	0.5000	0	88.4	85	115	06/20/2023
Lead		0.0150		<b>0.468</b>	0.5000	0	93.6	85	115	06/21/2023
Magnesium		0.0500		<b>2.24</b>	2.500	0	89.8	85	115	06/20/2023
Magnesium		0.0500		<b>2.14</b>	2.500	0	85.8	85	115	06/21/2023
Manganese		0.0070		<b>0.465</b>	0.5000	0	93.1	85	115	06/21/2023
Manganese		0.0070		<b>0.444</b>	0.5000	0	88.8	85	115	06/20/2023
Molybdenum		0.0100		<b>0.435</b>	0.5000	0	87.0	85	115	06/20/2023
Molybdenum		0.0100		<b>0.450</b>	0.5000	0	90.1	85	115	06/21/2023
Potassium		0.100		<b>2.33</b>	2.500	0	93.2	85	115	06/20/2023
Potassium		0.100		<b>2.47</b>	2.500	0	98.9	85	115	06/21/2023
Selenium		0.0400		<b>0.463</b>	0.5000	0	92.6	85	115	06/21/2023
Selenium		0.0400		<b>0.438</b>	0.5000	0	87.5	85	115	06/20/2023
Silicon	*	0.0500		<b>0.452</b>	0.5000	0	90.5	85	115	06/21/2023
Silicon	*	0.0500		<b>0.433</b>	0.5000	0	86.6	85	115	06/20/2023



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23060002

Client Project: KIN-23Q2

Report Date: 04-Aug-23

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

Batch 207442    SampType: LCS    Units mg/L  
 SampID: LCS-207442

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sodium		0.0500		<b>2.13</b>	2.500	0	85.0	85	115	06/20/2023
Sodium		0.0500		<b>2.31</b>	2.500	0	92.6	85	115	06/21/2023
Thallium		0.0500		<b>0.218</b>	0.2500	0	87.2	85	115	06/20/2023
Thallium		0.0500		<b>0.231</b>	0.2500	0	92.4	85	115	06/21/2023

Batch 207442    SampType: MS    Units mg/L  
 SampID: 23060002-004DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		<b>1.88</b>	2.000	0.03210	92.2	75	125	06/20/2023
Calcium		0.100	S	<b>144</b>	2.500	140.4	160.0	75	125	06/20/2023
Iron		0.0400		<b>2.03</b>	2.000	0.1849	92.4	75	125	06/20/2023
Magnesium		0.0500	S	<b>75.5</b>	2.500	71.93	142.8	75	125	06/20/2023
Manganese		0.0070		<b>0.661</b>	0.5000	0.1952	93.1	75	125	06/20/2023
Potassium		0.100		<b>2.99</b>	2.500	0.5126	99.2	75	125	06/20/2023
Silicon	*	0.0500		<b>11.0</b>	0.5000	10.36	118.0	75	125	06/20/2023
Sodium		0.0500		<b>27.1</b>	2.500	24.70	96.4	75	125	06/20/2023

Batch 207442    SampType: MSD    Units mg/L  
 SampID: 23060002-004DMSD

RPD Limit: 20

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		0.0250		<b>1.82</b>	2.000	0.03210	89.4	1.876	3.03	06/20/2023
Calcium		0.100	S	<b>141</b>	2.500	140.4	20.0	144.4	2.45	06/20/2023
Iron		0.0400		<b>2.02</b>	2.000	0.1849	91.6	2.033	0.79	06/20/2023
Magnesium		0.0500	S	<b>72.4</b>	2.500	71.93	17.6	75.50	4.23	06/20/2023
Manganese		0.0070		<b>0.643</b>	0.5000	0.1952	89.6	0.6608	2.68	06/20/2023
Potassium		0.100		<b>2.94</b>	2.500	0.5126	97.0	2.992	1.82	06/20/2023
Silicon	*	0.0500	S	<b>10.7</b>	0.5000	10.36	66.0	10.95	2.40	06/20/2023
Sodium		0.0500		<b>26.6</b>	2.500	24.70	78.0	27.11	1.71	06/20/2023



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23060002

Client Project: KIN-23Q2

Report Date: 04-Aug-23

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

Batch 207442    SampType: MS    Units mg/L

SampID: 23060002-019DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		<b>1.84</b>	2.000	0.09540	87.1	75	125	06/20/2023
Calcium		0.100	S	<b>111</b>	2.500	112.9	-60.0	75	125	06/20/2023
Iron		0.0400		<b>4.17</b>	2.000	2.381	89.3	75	125	06/20/2023
Magnesium		0.0500	S	<b>55.3</b>	2.500	55.27	-0.4	75	125	06/20/2023
Manganese		0.0070	S	<b>2.95</b>	0.5000	2.609	69.0	75	125	06/20/2023
Potassium		0.100		<b>3.06</b>	2.500	0.6367	97.1	75	125	06/20/2023
Silicon	*	0.0500	S	<b>7.53</b>	0.5000	7.344	36.4	75	125	06/20/2023
Sodium		0.0500	S	<b>45.4</b>	2.500	44.83	22.8	75	125	06/20/2023

Batch 207442    SampType: MSD    Units mg/L

RPD Limit: 20

SampID: 23060002-019DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		0.0250		<b>1.88</b>	2.000	0.09540	89.2	1.837	2.31	06/20/2023
Calcium		0.100	S	<b>113</b>	2.500	112.9	16.0	111.4	1.69	06/20/2023
Iron		0.0400		<b>4.23</b>	2.000	2.381	92.6	4.167	1.55	06/20/2023
Magnesium		0.0500	S	<b>56.1</b>	2.500	55.27	34.8	55.26	1.58	06/20/2023
Manganese		0.0070		<b>3.01</b>	0.5000	2.609	79.4	2.954	1.74	06/20/2023
Potassium		0.100		<b>3.12</b>	2.500	0.6367	99.5	3.064	1.97	06/20/2023
Silicon	*	0.0500	S	<b>7.64</b>	0.5000	7.344	60.2	7.526	1.57	06/20/2023
Sodium		0.0500	S	<b>46.1</b>	2.500	44.83	49.2	45.40	1.44	06/20/2023



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23060002

Client Project: KIN-23Q2

Report Date: 04-Aug-23

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

Batch 207505      SampType: MBLK      Units mg/L  
 SampID: MBLK-207505

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		< 0.0250	0.0127	0	0	-100	100	06/26/2023
Aluminum		0.0250		< 0.0250	0.0127	0	0	-100	100	06/20/2023
Aluminum		0.0250		< 0.0250	0.0127	0	0	-100	100	06/21/2023
Antimony		0.0500		< 0.0500	0.0068	0	0	-100	100	06/20/2023
Antimony		0.0500		< 0.0500	0.0068	0	0	-100	100	06/26/2023
Arsenic		0.0250		< 0.0250	0.0087	0	0	-100	100	06/20/2023
Arsenic		0.0250		< 0.0250	0.0087	0	0	-100	100	06/26/2023
Arsenic		0.0250		< 0.0250	0.0087	0	0	-100	100	06/21/2023
Barium		0.0025		< 0.0025	0.0007	0	0	-100	100	06/20/2023
Barium		0.0025		< 0.0025	0.0007	0	0	-100	100	06/21/2023
Barium		0.0025		< 0.0025	0.0007	0	0	-100	100	06/26/2023
Beryllium		0.0005		< 0.0005	0.0002	0	0	-100	100	06/26/2023
Beryllium		0.0005		< 0.0005	0.0002	0	0	-100	100	06/20/2023
Beryllium		0.0005		< 0.0005	0.0002	0	0	-100	100	06/21/2023
Boron		0.0200		< 0.0200	0.0090	0	0	-100	100	06/26/2023
Boron		0.0200		< 0.0200	0.0090	0	0	-100	100	06/20/2023
Boron		0.0200		< 0.0200	0.0090	0	0	-100	100	06/21/2023
Cadmium		0.0020		< 0.0020	0.0005	0	0	-100	100	06/20/2023
Cadmium		0.0020		< 0.0020	0.0005	0	0	-100	100	06/21/2023
Cadmium		0.0020		< 0.0020	0.0005	0	0	-100	100	06/26/2023
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	06/20/2023
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	06/26/2023
Chromium		0.0050		< 0.0050	0.0028	0	0	-100	100	06/20/2023
Chromium		0.0050		< 0.0050	0.0028	0	0	-100	100	06/21/2023
Chromium		0.0050		< 0.0050	0.0028	0	0	-100	100	06/26/2023
Cobalt		0.0050		< 0.0050	0.0020	0	0	-100	100	06/20/2023
Cobalt		0.0050		< 0.0050	0.0020	0	0	-100	100	06/26/2023
Iron		0.0400		< 0.0400	0.0200	0	0	-100	100	06/21/2023
Iron		0.0400		< 0.0400	0.0200	0	0	-100	100	06/26/2023
Iron		0.0400		< 0.0400	0.0200	0	0	-100	100	06/20/2023
Lead		0.0150		< 0.0150	0.0014	0	0	-100	100	06/26/2023
Lead		0.0150		< 0.0150	0.0014	0	0	-100	100	06/20/2023
Lead		0.0150		< 0.0150	0.0014	0	0	-100	100	06/21/2023
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	06/21/2023
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	06/20/2023
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	06/26/2023



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23060002

Client Project: KIN-23Q2

Report Date: 04-Aug-23

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

Batch 207505      SampType: MBLK      Units mg/L

SampID: MBLK-207505

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Manganese		0.0070		< 0.0070	0.0025	0	0	-100	100	06/21/2023
Manganese		0.0070		< 0.0070	0.0025	0	0	-100	100	06/20/2023
Manganese		0.0070		< 0.0070	0.0025	0	0	-100	100	06/26/2023
Molybdenum		0.0100		< 0.0100	0.0037	0	0	-100	100	06/21/2023
Molybdenum		0.0100		< 0.0100	0.0037	0	0	-100	100	06/26/2023
Molybdenum		0.0100		< 0.0100	0.0037	0	0	-100	100	06/20/2023
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	06/26/2023
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	06/21/2023
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	06/20/2023
Selenium		0.0400		< 0.0400	0.0170	0	0	-100	100	06/21/2023
Selenium		0.0400		< 0.0400	0.0170	0	0	-100	100	06/26/2023
Selenium		0.0400		< 0.0400	0.0170	0	0	-100	100	06/20/2023
Silicon	*	0.0500		< 0.0500	0.0122	0	0	-100	100	06/26/2023
Silicon	*	0.0500		< 0.0500	0.0122	0	0	-100	100	06/20/2023
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	06/20/2023
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	06/26/2023
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	06/21/2023
Thallium		0.0500		< 0.0500	0.0111	0	0	-100	100	06/26/2023
Thallium		0.0500		< 0.0500	0.0111	0	0	-100	100	06/20/2023



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23060002

Client Project: KIN-23Q2

Report Date: 04-Aug-23

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

Batch 207505      SampType: LCS      Units mg/L

SampID: LCS-207505

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		<b>1.85</b>	2.000	0	92.4	85	115	06/21/2023
Aluminum		0.0250		<b>1.87</b>	2.000	0	93.6	85	115	06/26/2023
Antimony		0.0500		<b>0.497</b>	0.5000	0	99.3	85	115	06/26/2023
Arsenic		0.0250		<b>0.431</b>	0.5000	0	86.1	85	115	06/20/2023
Arsenic		0.0250		<b>0.514</b>	0.5000	0	102.8	85	115	06/26/2023
Arsenic		0.0250		<b>0.474</b>	0.5000	0	94.8	85	115	06/21/2023
Barium		0.0025		<b>1.74</b>	2.000	0	87.2	85	115	06/20/2023
Barium		0.0025		<b>1.89</b>	2.000	0	94.5	85	115	06/21/2023
Barium		0.0025		<b>1.94</b>	2.000	0	97.1	85	115	06/26/2023
Beryllium		0.0005		<b>0.0498</b>	0.0500	0	99.6	85	115	06/26/2023
Beryllium		0.0005		<b>0.0466</b>	0.0500	0	93.2	85	115	06/21/2023
Beryllium		0.0005		<b>0.0436</b>	0.0500	0	87.2	85	115	06/20/2023
Boron		0.0200		<b>0.494</b>	0.5000	0	98.9	85	115	06/26/2023
Boron		0.0200		<b>0.466</b>	0.5000	0	93.2	85	115	06/21/2023
Boron		0.0200		<b>0.437</b>	0.5000	0	87.5	85	115	06/20/2023
Cadmium		0.0020		<b>0.0486</b>	0.0500	0	97.2	85	115	06/26/2023
Cadmium		0.0020		<b>0.0425</b>	0.0500	0	85.0	85	115	06/20/2023
Cadmium		0.0020		<b>0.0461</b>	0.0500	0	92.2	85	115	06/21/2023
Calcium		0.100		<b>2.19</b>	2.500	0	87.7	85	115	06/20/2023
Calcium		0.100		<b>2.49</b>	2.500	0	99.7	85	115	06/26/2023
Chromium		0.0050		<b>0.191</b>	0.2000	0	95.4	85	115	06/26/2023
Chromium		0.0050		<b>0.189</b>	0.2000	0	94.3	85	115	06/21/2023
Cobalt		0.0050		<b>0.426</b>	0.5000	0	85.3	85	115	06/20/2023
Cobalt		0.0050		<b>0.485</b>	0.5000	0	97.0	85	115	06/26/2023
Iron		0.0400		<b>1.88</b>	2.000	0	94.2	85	115	06/21/2023
Iron		0.0400		<b>1.72</b>	2.000	0	85.8	85	115	06/20/2023
Iron		0.0400		<b>1.92</b>	2.000	0	96.2	85	115	06/26/2023
Lead		0.0150		<b>0.481</b>	0.5000	0	96.1	85	115	06/26/2023
Lead		0.0150		<b>0.465</b>	0.5000	0	93.0	85	115	06/21/2023
Magnesium		0.0500		<b>2.15</b>	2.500	0	86.0	85	115	06/20/2023
Magnesium		0.0500		<b>2.35</b>	2.500	0	94.1	85	115	06/26/2023
Magnesium		0.0500		<b>2.23</b>	2.500	0	89.1	85	115	06/21/2023
Manganese		0.0070		<b>0.481</b>	0.5000	0	96.3	85	115	06/21/2023
Manganese		0.0070		<b>0.426</b>	0.5000	0	85.3	85	115	06/20/2023
Manganese		0.0070		<b>0.476</b>	0.5000	0	95.2	85	115	06/26/2023
Molybdenum		0.0100		<b>0.458</b>	0.5000	0	91.6	85	115	06/21/2023

Client: Ramboll

Work Order: 23060002

Client Project: KIN-23Q2

Report Date: 04-Aug-23

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

Batch 207505      SampType: LCS      Units mg/L

SampID: LCS-207505

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Molybdenum		0.0100		<b>0.474</b>	0.5000	0	94.8	85	115	06/26/2023
Potassium		0.100		<b>2.49</b>	2.500	0	99.6	85	115	06/21/2023
Potassium		0.100		<b>2.29</b>	2.500	0	91.5	85	115	06/20/2023
Potassium		0.100		<b>2.58</b>	2.500	0	103.2	85	115	06/26/2023
Selenium		0.0400		<b>0.457</b>	0.5000	0	91.4	85	115	06/21/2023
Selenium		0.0400		<b>0.499</b>	0.5000	0	99.9	85	115	06/26/2023
Silicon	*	0.0500		<b>0.474</b>	0.5000	0	94.9	85	115	06/26/2023
Sodium		0.0500		<b>2.36</b>	2.500	0	94.5	85	115	06/21/2023
Sodium		0.0500		<b>2.45</b>	2.500	0	98.1	85	115	06/26/2023
Thallium		0.0500		<b>0.241</b>	0.2500	0	96.3	85	115	06/26/2023
Thallium		0.0500		<b>0.213</b>	0.2500	0	85.3	85	115	06/20/2023

Batch 207505      SampType: MS      Units mg/L

SampID: 23060002-030DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		<b>1.84</b>	2.000	0.01480	91.4	75	125	06/21/2023
Calcium		0.100	S	<b>147</b>	2.500	149.0	-76.0	75	125	06/26/2023
Iron		0.0400		<b>1.83</b>	2.000	0	91.7	75	125	06/26/2023
Magnesium		0.0500	S	<b>66.5</b>	2.500	65.10	55.9	75	125	06/21/2023
Manganese		0.0070	S	<b>5.98</b>	0.5000	5.661	64.3	75	125	06/26/2023
Potassium		0.100		<b>3.13</b>	2.500	0.5244	104.4	75	125	06/26/2023
Silicon	*	0.0500	S	<b>8.16</b>	0.5000	7.894	53.4	75	125	06/26/2023
Sodium		0.0500	S	<b>28.7</b>	2.500	27.09	64.8	75	125	06/21/2023

Batch 207505      SampType: MSD      Units mg/L

RPD Limit: 20

SampID: 23060002-030DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		0.0250		<b>1.86</b>	2.000	0.01480	92.3	1.842	1.00	06/21/2023
Calcium		0.100	S	<b>148</b>	2.500	149.0	-30.4	147.1	0.77	06/26/2023
Iron		0.0400		<b>1.86</b>	2.000	0	93.0	1.834	1.38	06/26/2023
Magnesium		0.0500	S	<b>66.6</b>	2.500	65.10	61.5	66.49	0.21	06/21/2023
Manganese		0.0070		<b>6.05</b>	0.5000	5.661	78.2	5.983	1.15	06/26/2023
Potassium		0.100		<b>3.16</b>	2.500	0.5244	105.2	3.134	0.67	06/26/2023
Silicon	*	0.0500	S	<b>8.20</b>	0.5000	7.894	60.5	8.162	0.43	06/26/2023
Sodium		0.0500	S	<b>28.7</b>	2.500	27.09	64.0	28.71	0.07	06/21/2023





## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23060002

Client Project: KIN-23Q2

Report Date: 04-Aug-23

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

Batch 207271      SampType: MBLK      Units mg/L

SampID: MBLK-207271

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		< 0.0250	0.0127	0	0	-100	100	06/26/2023
Aluminum		0.0250		< 0.0250	0.0127	0	0	-100	100	06/14/2023
Antimony		0.0500		< 0.0500	0.0068	0	0	-100	100	06/14/2023
Antimony		0.0500		< 0.0500	0.0068	0	0	-100	100	06/26/2023
Arsenic		0.0250		< 0.0250	0.0087	0	0	-100	100	06/14/2023
Arsenic		0.0250		< 0.0250	0.0087	0	0	-100	100	06/26/2023
Barium		0.0025		< 0.0025	0.0007	0	0	-100	100	06/26/2023
Barium		0.0025		< 0.0025	0.0007	0	0	-100	100	06/14/2023
Beryllium		0.0005		< 0.0005	0.0002	0	0	-100	100	06/14/2023
Beryllium		0.0005		< 0.0005	0.0002	0	0	-100	100	06/26/2023
Boron		0.0200		< 0.0200	0.0090	0	0	-100	100	06/14/2023
Boron		0.0200		< 0.0200	0.0090	0	0	-100	100	06/26/2023
Cadmium		0.0020		< 0.0020	0.0007	0	0	-100	100	06/14/2023
Cadmium		0.0020		< 0.0020	0.0005	0	0	-100	100	06/26/2023
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	06/26/2023
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	06/14/2023
Chromium		0.0050		< 0.0050	0.0028	0	0	-100	100	06/26/2023
Chromium		0.0050		< 0.0050	0.0028	0	0	-100	100	06/14/2023
Cobalt		0.0050		< 0.0050	0.0020	0	0	-100	100	06/14/2023
Cobalt		0.0050		< 0.0050	0.0020	0	0	-100	100	06/26/2023
Iron		0.0400		< 0.0400	0.0200	0	0	-100	100	06/14/2023
Iron		0.0400		< 0.0400	0.0200	0	0	-100	100	06/26/2023
Lead		0.0150		< 0.0150	0.0040	0	0	-100	100	06/14/2023
Lead		0.0150		< 0.0150	0.0014	0	0	-100	100	06/26/2023
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	06/14/2023
Manganese		0.0070		< 0.0070	0.0025	0	0	-100	100	06/26/2023
Manganese		0.0070		< 0.0070	0.0025	0	0	-100	100	06/14/2023
Molybdenum		0.0100		< 0.0100	0.0037	0	0	-100	100	06/26/2023
Molybdenum		0.0100		< 0.0100	0.0037	0	0	-100	100	06/14/2023
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	06/14/2023
Selenium		0.0400		< 0.0400	0.0170	0	0	-100	100	06/26/2023
Selenium		0.0400		< 0.0400	0.0170	0	0	-100	100	06/14/2023
Silicon	*	0.0500		< 0.0500	0.0122	0	0	-100	100	06/26/2023
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	06/26/2023
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	06/14/2023
Thallium		0.0500		< 0.0500	0.0111	0	0	-100	100	06/26/2023



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23060002

Client Project: KIN-23Q2

Report Date: 04-Aug-23

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

Batch 207271      SampType: MBLK      Units mg/L

SampID: MBLK-207271

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Thallium		0.0500		< 0.0500	0.0111	0	0	-100	100	06/14/2023

Batch 207271      SampType: LCS      Units mg/L

SampID: LCS-207271

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		2.09	2.000	0	104.5	85	115	06/26/2023
Antimony		0.0500		0.519	0.5000	0	103.8	85	115	06/26/2023
Arsenic		0.0250		0.557	0.5000	0	111.5	85	115	06/26/2023
Barium		0.0025		2.13	2.000	0	106.5	85	115	06/26/2023
Beryllium		0.0005		0.0537	0.0500	0	107.4	85	115	06/26/2023
Boron		0.0200		0.526	0.5000	0	105.3	85	115	06/26/2023
Cadmium		0.0020		0.0525	0.0500	0	105.0	85	115	06/26/2023
Calcium		0.100		2.77	2.500	0	110.8	85	115	06/26/2023
Chromium		0.0050		0.208	0.2000	0	103.8	85	115	06/26/2023
Cobalt		0.0050		0.542	0.5000	0	108.4	85	115	06/26/2023
Iron		0.0400		2.17	2.000	0	108.5	85	115	06/26/2023
Lead		0.0150		0.531	0.5000	0	106.3	85	115	06/26/2023
Manganese		0.0070		0.534	0.5000	0	106.8	85	115	06/26/2023
Molybdenum		0.0100		0.494	0.5000	0	98.7	85	115	06/26/2023
Selenium		0.0400		0.558	0.5000	0	111.7	85	115	06/26/2023
Silicon	*	0.0500		0.522	0.5000	0	104.3	85	115	06/26/2023
Sodium		0.0500		2.72	2.500	0	108.6	85	115	06/26/2023
Thallium		0.0500		0.267	0.2500	0	106.7	85	115	06/26/2023



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23060002

Client Project: KIN-23Q2

Report Date: 04-Aug-23

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

Batch 207271      SampType: MS      Units mg/L

SampleID: 23060002-008CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		<b>2.05</b>	2.000	0.02040	101.5	75	125	06/19/2023
Arsenic		0.0250		<b>0.533</b>	0.5000	0	106.6	75	125	06/19/2023
Beryllium		0.0005		<b>0.0493</b>	0.0500	0	98.6	75	125	06/19/2023
Boron		0.0200		<b>1.42</b>	0.5000	0.8892	105.7	75	125	06/19/2023
Cadmium		0.0020		<b>0.0546</b>	0.0500	0	109.2	75	125	06/19/2023
Calcium		0.100	S	<b>144</b>	2.500	138.4	212.0	75	125	06/19/2023
Chromium		0.0050		<b>0.198</b>	0.2000	0	99.0	75	125	06/19/2023
Iron		0.0400		<b>2.09</b>	2.000	0	104.5	75	125	06/19/2023
Magnesium		0.0500	S	<b>72.5</b>	2.500	68.32	169.1	75	125	06/19/2023
Manganese		0.0070		<b>6.44</b>	0.5000	5.833	121.6	75	125	06/19/2023
Molybdenum		0.0100		<b>0.486</b>	0.5000	0	97.2	75	125	06/19/2023
Potassium		0.100		<b>3.40</b>	2.500	0.5387	114.5	75	125	06/19/2023
Sodium		0.0500		<b>31.9</b>	2.500	28.95	119.6	75	125	06/19/2023

Batch 207271      SampType: MSD      Units mg/L

RPD Limit: 20

SampleID: 23060002-008CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		0.0250		<b>1.97</b>	2.000	0.02040	97.5	2.050	3.95	06/19/2023
Arsenic		0.0250		<b>0.534</b>	0.5000	0	106.7	0.5329	0.13	06/19/2023
Beryllium		0.0005		<b>0.0490</b>	0.0500	0	98.0	0.04930	0.61	06/19/2023
Boron		0.0200		<b>1.40</b>	0.5000	0.8892	103.0	1.418	0.96	06/19/2023
Cadmium		0.0020		<b>0.0541</b>	0.0500	0	108.2	0.05460	0.92	06/19/2023
Calcium		0.100	S	<b>142</b>	2.500	138.4	150.4	143.8	1.08	06/19/2023
Chromium		0.0050		<b>0.197</b>	0.2000	0	98.3	0.1979	0.66	06/19/2023
Iron		0.0400		<b>2.06</b>	2.000	0	103.0	2.090	1.45	06/19/2023
Magnesium		0.0500	S	<b>71.7</b>	2.500	68.32	135.3	72.54	1.17	06/19/2023
Manganese		0.0070		<b>6.36</b>	0.5000	5.833	105.1	6.441	1.29	06/19/2023
Molybdenum		0.0100		<b>0.482</b>	0.5000	0	96.4	0.4862	0.85	06/19/2023
Potassium		0.100		<b>3.36</b>	2.500	0.5387	112.8	3.402	1.29	06/19/2023
Sodium		0.0500		<b>31.7</b>	2.500	28.95	108.8	31.94	0.85	06/19/2023



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23060002

Client Project: KIN-23Q2

Report Date: 04-Aug-23

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

Batch 207360      SampType: MBLK      Units mg/L

SampID: MBLK-207360

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250	S	<b>0.0356</b>	0.0127	0	280.3	-100	100	06/21/2023
Antimony		0.0500		< <b>0.0500</b>	0.0068	0	0	-100	100	06/21/2023
Arsenic		0.0250		< <b>0.0250</b>	0.0087	0	0	-100	100	06/20/2023
Arsenic		0.0250		< <b>0.0250</b>	0.0087	0	0	-100	100	06/21/2023
Barium		0.0025		< <b>0.0025</b>	0.0007	0	0	-100	100	06/21/2023
Barium		0.0025		< <b>0.0025</b>	0.0007	0	0	-100	100	06/20/2023
Beryllium		0.0005		< <b>0.0005</b>	0.0002	0	0	-100	100	06/20/2023
Beryllium		0.0005		< <b>0.0005</b>	0.0002	0	0	-100	100	06/21/2023
Boron		0.0200		< <b>0.0200</b>	0.0090	0	0	-100	100	06/21/2023
Cadmium		0.0020		< <b>0.0020</b>	0.0005	0	0	-100	100	06/21/2023
Cadmium		0.0020		< <b>0.0020</b>	0.0005	0	0	-100	100	06/20/2023
Calcium		0.100		< <b>0.100</b>	0.0350	0	0	-100	100	06/21/2023
Chromium		0.0050		< <b>0.0050</b>	0.0028	0	0	-100	100	06/21/2023
Cobalt		0.0050		< <b>0.0050</b>	0.0020	0	0	-100	100	06/21/2023
Iron		0.0400		< <b>0.0400</b>	0.0200	0	0	-100	100	06/20/2023
Iron		0.0400		< <b>0.0400</b>	0.0200	0	0	-100	100	06/21/2023
Lead		0.0150		< <b>0.0150</b>	0.0014	0	0	-100	100	06/20/2023
Lead		0.0150		< <b>0.0150</b>	0.0014	0	0	-100	100	06/21/2023
Magnesium		0.0500		< <b>0.0500</b>	0.0055	0	0	-100	100	06/21/2023
Manganese		0.0070		< <b>0.0070</b>	0.0025	0	0	-100	100	06/21/2023
Manganese		0.0070		< <b>0.0070</b>	0.0025	0	0	-100	100	06/20/2023
Molybdenum		0.0100		< <b>0.0100</b>	0.0037	0	0	-100	100	06/20/2023
Molybdenum		0.0100		< <b>0.0100</b>	0.0037	0	0	-100	100	06/21/2023
Potassium		0.100		< <b>0.100</b>	0.0400	0	0	-100	100	06/21/2023
Potassium		0.100		< <b>0.100</b>	0.0400	0	0	-100	100	06/20/2023
Selenium		0.0400		< <b>0.0400</b>	0.0170	0	0	-100	100	06/21/2023
Selenium		0.0400		< <b>0.0400</b>	0.0170	0	0	-100	100	06/20/2023
Silicon	*	0.0500	JS	<b>0.035</b>	0.0122	0	289.3	-100	100	06/21/2023
Sodium		0.0500		< <b>0.0500</b>	0.0180	0	0	-100	100	06/21/2023
Sodium		0.0500		< <b>0.0500</b>	0.0180	0	0	-100	100	06/20/2023
Thallium		0.0500		< <b>0.0500</b>	0.0111	0	0	-100	100	06/21/2023



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23060002

Client Project: KIN-23Q2

Report Date: 04-Aug-23

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

Batch 207360      SampType: LCS      Units mg/L

SampleID: LCS-207360

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250	B	<b>1.97</b>	2.000	0	98.6	85	115	06/21/2023
Antimony		0.0500		<b>0.502</b>	0.5000	0	100.4	85	115	06/21/2023
Arsenic		0.0250		<b>0.533</b>	0.5000	0	106.6	85	115	06/21/2023
Arsenic		0.0250	S	<b>0.896</b>	0.5000	0	179.2	85	115	06/20/2023
Barium		0.0025		<b>2.01</b>	2.000	0	100.5	85	115	06/21/2023
Barium		0.0025		<b>2.10</b>	2.000	0	104.8	85	115	06/20/2023
Beryllium		0.0005		<b>0.0507</b>	0.0500	0	101.4	85	115	06/21/2023
Beryllium		0.0005	S	<b>0.0885</b>	0.0500	0	177.0	85	115	06/20/2023
Boron		0.0200		<b>0.507</b>	0.5000	0	101.4	85	115	06/21/2023
Cadmium		0.0020		<b>0.0500</b>	0.0500	0	100.0	85	115	06/21/2023
Cadmium		0.0020	S	<b>0.0581</b>	0.0500	0	116.2	85	115	06/20/2023
Calcium		0.100		<b>2.66</b>	2.500	0	106.4	85	115	06/21/2023
Chromium		0.0050		<b>0.202</b>	0.2000	0	100.9	85	115	06/21/2023
Cobalt		0.0050		<b>0.525</b>	0.5000	0	105.1	85	115	06/21/2023
Iron		0.0400		<b>2.05</b>	2.000	0	102.5	85	115	06/21/2023
Iron		0.0400		<b>1.74</b>	2.000	0	87.2	85	115	06/20/2023
Lead		0.0150		<b>0.509</b>	0.5000	0	101.7	85	115	06/20/2023
Lead		0.0150		<b>0.514</b>	0.5000	0	102.8	85	115	06/21/2023
Magnesium		0.0500		<b>2.37</b>	2.500	0	94.8	85	115	06/21/2023
Manganese		0.0070		<b>0.515</b>	0.5000	0	103.0	85	115	06/21/2023
Manganese		0.0070	S	<b>0.869</b>	0.5000	0	173.7	85	115	06/20/2023
Molybdenum		0.0100		<b>0.497</b>	0.5000	0	99.3	85	115	06/21/2023
Molybdenum		0.0100	S	<b>0.858</b>	0.5000	0	171.7	85	115	06/20/2023
Potassium		0.100		<b>2.65</b>	2.500	0	105.9	85	115	06/21/2023
Potassium		0.100	S	<b>4.35</b>	2.500	0	174.1	85	115	06/20/2023
Selenium		0.0400		<b>0.504</b>	0.5000	0	100.9	85	115	06/21/2023
Silicon	*	0.0500	B	<b>0.523</b>	0.5000	0	104.6	85	115	06/21/2023
Sodium		0.0500		<b>2.80</b>	2.500	0	112.2	85	115	06/20/2023
Sodium		0.0500		<b>2.54</b>	2.500	0	101.4	85	115	06/21/2023
Thallium		0.0500		<b>0.248</b>	0.2500	0	99.2	85	115	06/21/2023



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23060002

Client Project: KIN-23Q2

Report Date: 04-Aug-23

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

Batch 207360		SampType: MS		Units mg/L							Date Analyzed
SampID: 23060002-020CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Arsenic		0.0250		<b>1.05</b>	1.000	0	105.4	75	125	06/21/2023	
Barium		0.0025		<b>4.23</b>	4.000	0.2296	100.0	75	125	06/21/2023	
Beryllium		0.0005		<b>0.101</b>	0.1000	0	101.1	75	125	06/21/2023	
Boron		0.0200		<b>1.29</b>	1.000	0.2924	100.0	75	125	06/21/2023	
Cadmium		0.0020		<b>0.0972</b>	0.1000	0	97.2	75	125	06/21/2023	
Calcium		0.100	S	<b>143</b>	5.000	142.3	21.0	75	125	06/21/2023	
Chromium		0.0050		<b>0.402</b>	0.4000	0	100.6	75	125	06/21/2023	
Iron		0.0400		<b>8.91</b>	4.000	4.940	99.2	75	125	06/21/2023	
Lead		0.0150		<b>1.00</b>	1.000	0	100.5	75	125	06/21/2023	
Magnesium		0.0500	S	<b>68.5</b>	5.000	65.45	60.3	75	125	06/21/2023	
Manganese		0.0070		<b>1.47</b>	1.000	0.4618	100.3	75	125	06/21/2023	
Molybdenum		0.0100		<b>0.997</b>	1.000	0	99.7	75	125	06/21/2023	
Potassium		0.100		<b>5.81</b>	5.000	0.8348	99.4	75	125	06/21/2023	
Silicon	*	0.0500	B	<b>11.4</b>	1.000	10.62	78.4	75	125	06/21/2023	
Sodium		0.0500	S	<b>27.2</b>	5.000	23.69	71.2	75	125	06/21/2023	

Batch 207360		SampType: MSD		Units mg/L							RPD Limit: 20	Date Analyzed
SampID: 23060002-020CMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Arsenic		0.0250		<b>1.06</b>	1.000	0	105.6	1.054	0.19	06/21/2023		
Barium		0.0025		<b>4.21</b>	4.000	0.2296	99.5	4.230	0.47	06/21/2023		
Beryllium		0.0005		<b>0.101</b>	0.1000	0	100.7	0.1011	0.40	06/21/2023		
Boron		0.0200		<b>1.29</b>	1.000	0.2924	99.8	1.292	0.14	06/21/2023		
Cadmium		0.0020		<b>0.0974</b>	0.1000	0	97.4	0.09720	0.21	06/21/2023		
Calcium		0.100	S	<b>143</b>	5.000	142.3	15.6	143.4	0.19	06/21/2023		
Chromium		0.0050		<b>0.401</b>	0.4000	0	100.2	0.4023	0.32	06/21/2023		
Iron		0.0400		<b>8.90</b>	4.000	4.940	99.0	8.910	0.11	06/21/2023		
Lead		0.0150		<b>0.998</b>	1.000	0	99.8	1.005	0.71	06/21/2023		
Magnesium		0.0500	S	<b>68.5</b>	5.000	65.45	60.3	68.46	0.00	06/21/2023		
Manganese		0.0070		<b>1.46</b>	1.000	0.4618	100.0	1.465	0.23	06/21/2023		
Molybdenum		0.0100		<b>0.991</b>	1.000	0	99.1	0.9970	0.61	06/21/2023		
Potassium		0.100		<b>5.83</b>	5.000	0.8348	100.0	5.806	0.49	06/21/2023		
Silicon	*	0.0500	B	<b>11.4</b>	1.000	10.62	78.1	11.40	0.02	06/21/2023		
Sodium		0.0500	S	<b>27.2</b>	5.000	23.69	71.2	27.25	0.00	06/21/2023		



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23060002

Client Project: KIN-23Q2

Report Date: 04-Aug-23

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

Batch 207509      SampType: MBLK      Units mg/L

SampID: MBLK-207509

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		< 0.0250	0.0127	0	0	-100	100	06/22/2023
Arsenic		0.0250		< 0.0250	0.0087	0	0	-100	100	06/22/2023
Barium		0.0025		< 0.0025	0.0007	0	0	-100	100	06/22/2023
Beryllium		0.0005		< 0.0005	0.0002	0	0	-100	100	06/22/2023
Boron		0.0200		< 0.0200	0.0090	0	0	-100	100	06/22/2023
Cadmium		0.0020		< 0.0020	0.0005	0	0	-100	100	06/22/2023
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	06/22/2023
Chromium		0.0050		< 0.0050	0.0028	0	0	-100	100	06/22/2023
Iron		0.0400		< 0.0400	0.0200	0	0	-100	100	06/22/2023
Lead		0.0150		< 0.0150	0.0040	0	0	-100	100	06/22/2023
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	06/22/2023
Manganese		0.0070		< 0.0070	0.0025	0	0	-100	100	06/22/2023
Molybdenum		0.0100		< 0.0100	0.0037	0	0	-100	100	06/22/2023
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	06/22/2023
Silicon	*	0.0500		< 0.0500	0.0300	0	0	-100	100	06/22/2023
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	06/22/2023

Batch 207509      SampType: LCS      Units mg/L

SampID: LCS-207509

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		1.95	2.000	0	97.5	85	115	06/22/2023
Arsenic		0.0250		0.525	0.5000	0	105.0	85	115	06/22/2023
Barium		0.0025		2.01	2.000	0	100.5	85	115	06/22/2023
Beryllium		0.0005		0.0499	0.0500	0	99.8	85	115	06/22/2023
Boron		0.0200		0.500	0.5000	0	100.0	85	115	06/22/2023
Cadmium		0.0020		0.0504	0.0500	0	100.8	85	115	06/22/2023
Calcium		0.100		2.56	2.500	0	102.6	85	115	06/22/2023
Chromium		0.0050		0.198	0.2000	0	98.8	85	115	06/22/2023
Iron		0.0400		1.97	2.000	0	98.7	85	115	06/22/2023
Lead		0.0150		0.499	0.5000	0	99.8	85	115	06/22/2023
Magnesium		0.0500		2.35	2.500	0	94.1	85	115	06/22/2023
Manganese		0.0070		0.492	0.5000	0	98.4	85	115	06/22/2023
Molybdenum		0.0100		0.480	0.5000	0	96.0	85	115	06/22/2023
Potassium		0.100		2.61	2.500	0	104.3	85	115	06/22/2023
Silicon	*	0.0500		0.552	0.5000	0	110.5	85	115	06/22/2023
Sodium		0.0500		2.56	2.500	0	102.3	85	115	06/22/2023



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23060002

Client Project: KIN-23Q2

Report Date: 04-Aug-23

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

Batch 207509		SampType: LCSD		Units mg/L				RPD Limit: 20		
SampID: LCSD-207509										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		0.0250		<b>1.95</b>	2.000	0	97.6	1.950	0.12	06/22/2023
Arsenic		0.0250		<b>0.518</b>	0.5000	0	103.5	0.5249	1.42	06/22/2023
Barium		0.0025		<b>2.02</b>	2.000	0	101.0	2.010	0.50	06/22/2023
Beryllium		0.0005		<b>0.0501</b>	0.0500	0	100.2	0.04990	0.40	06/22/2023
Boron		0.0200		<b>0.503</b>	0.5000	0	100.6	0.5000	0.56	06/22/2023
Cadmium		0.0020		<b>0.0505</b>	0.0500	0	101.0	0.05040	0.20	06/22/2023
Calcium		0.100		<b>2.56</b>	2.500	0	102.4	2.564	0.11	06/22/2023
Chromium		0.0050		<b>0.199</b>	0.2000	0	99.4	0.1975	0.61	06/22/2023
Iron		0.0400		<b>1.99</b>	2.000	0	99.6	1.974	0.96	06/22/2023
Lead		0.0150		<b>0.502</b>	0.5000	0	100.3	0.4992	0.50	06/22/2023
Magnesium		0.0500		<b>2.37</b>	2.500	0	94.7	2.351	0.67	06/22/2023
Manganese		0.0070		<b>0.496</b>	0.5000	0	99.3	0.4918	0.93	06/22/2023
Molybdenum		0.0100		<b>0.482</b>	0.5000	0	96.5	0.4798	0.52	06/22/2023
Potassium		0.100		<b>2.64</b>	2.500	0	105.4	2.607	1.09	06/22/2023
Silicon	*	0.0500		<b>0.563</b>	0.5000	0	112.6	0.5525	1.85	06/22/2023
Sodium		0.0500		<b>2.57</b>	2.500	0	102.8	2.557	0.48	06/22/2023





## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23060002

Client Project: KIN-23Q2

Report Date: 04-Aug-23

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

Batch 207664    SampType: MBLK    Units mg/L

SampID: MBLK-207664

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		< 0.0250	0.0127	0	0	-100	100	06/29/2023
Aluminum		0.0250		< 0.0250	0.0127	0	0	-100	100	06/23/2023
Arsenic		0.0250		< 0.0250	0.0087	0	0	-100	100	06/23/2023
Arsenic		0.0250		< 0.0250	0.0087	0	0	-100	100	06/29/2023
Barium		0.0025		< 0.0025	0.0007	0	0	-100	100	06/29/2023
Barium		0.0025		< 0.0025	0.0007	0	0	-100	100	06/23/2023
Beryllium		0.0005		< 0.0005	0.0002	0	0	-100	100	06/29/2023
Beryllium		0.0005		< 0.0005	0.0002	0	0	-100	100	06/23/2023
Boron		0.0200		< 0.0200	0.0090	0	0	-100	100	06/29/2023
Boron		0.0200		< 0.0200	0.0090	0	0	-100	100	06/23/2023
Cadmium		0.0020		< 0.0020	0.0005	0	0	-100	100	06/23/2023
Cadmium		0.0020	J	0.0005	0.0005	0	100.0	-100	100	06/29/2023
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	06/29/2023
Chromium		0.0050		< 0.0050	0.0028	0	0	-100	100	06/29/2023
Chromium		0.0050		< 0.0050	0.0028	0	0	-100	100	06/23/2023
Iron		0.0400		< 0.0400	0.0200	0	0	-100	100	06/23/2023
Iron		0.0400		< 0.0400	0.0200	0	0	-100	100	06/29/2023
Lead		0.0150		< 0.0150	0.0040	0	0	-100	100	06/29/2023
Lead		0.0150		< 0.0150	0.0040	0	0	-100	100	06/23/2023
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	06/29/2023
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	06/23/2023
Manganese		0.0070		< 0.0070	0.0025	0	0	-100	100	06/23/2023
Manganese		0.0070		< 0.0070	0.0025	0	0	-100	100	06/29/2023
Molybdenum		0.0100		< 0.0100	0.0037	0	0	-100	100	06/23/2023
Molybdenum		0.0100		< 0.0100	0.0037	0	0	-100	100	06/29/2023
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	06/23/2023
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	06/29/2023
Silicon	*	0.0500	JS	0.028	0.0122	0	232.8	-100	100	06/29/2023
Silicon	*	0.0500		< 0.0500	0.0122	0	0	-100	100	06/23/2023
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	06/29/2023



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23060002

Client Project: KIN-23Q2

Report Date: 04-Aug-23

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

Batch **207664** SampType: **LCS** Units **mg/L**

SampID: LCS-207664

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		<b>1.90</b>	2.000	0	94.8	85	115	06/29/2023
Aluminum		0.0250		<b>2.03</b>	2.000	0	101.5	85	115	06/23/2023
Arsenic		0.0250		<b>0.543</b>	0.5000	0	108.6	85	115	06/23/2023
Arsenic		0.0250		<b>0.531</b>	0.5000	0	106.1	85	115	06/29/2023
Barium		0.0025		<b>2.09</b>	2.000	0	104.5	85	115	06/23/2023
Barium		0.0025		<b>2.04</b>	2.000	0	102.0	85	115	06/29/2023
Beryllium		0.0005		<b>0.0517</b>	0.0500	0	103.4	85	115	06/23/2023
Beryllium		0.0005		<b>0.0502</b>	0.0500	0	100.4	85	115	06/29/2023
Boron		0.0200		<b>0.504</b>	0.5000	0	100.8	85	115	06/29/2023
Boron		0.0200		<b>0.512</b>	0.5000	0	102.3	85	115	06/23/2023
Cadmium		0.0020		<b>0.0517</b>	0.0500	0	103.4	85	115	06/29/2023
Cadmium		0.0020		<b>0.0537</b>	0.0500	0	107.4	85	115	06/23/2023
Calcium		0.100		<b>2.60</b>	2.500	0	103.9	85	115	06/29/2023
Chromium		0.0050		<b>0.201</b>	0.2000	0	100.7	85	115	06/23/2023
Chromium		0.0050		<b>0.198</b>	0.2000	0	99.1	85	115	06/29/2023
Iron		0.0400		<b>2.11</b>	2.000	0	105.5	85	115	06/23/2023
Iron		0.0400		<b>1.98</b>	2.000	0	99.1	85	115	06/29/2023
Lead		0.0150		<b>0.509</b>	0.5000	0	101.8	85	115	06/23/2023
Lead		0.0150		<b>0.501</b>	0.5000	0	100.2	85	115	06/29/2023
Magnesium		0.0500		<b>2.40</b>	2.500	0	95.8	85	115	06/23/2023
Magnesium		0.0500		<b>2.46</b>	2.500	0	98.2	85	115	06/29/2023
Manganese		0.0070		<b>0.494</b>	0.5000	0	98.7	85	115	06/23/2023
Manganese		0.0070		<b>0.492</b>	0.5000	0	98.4	85	115	06/29/2023
Molybdenum		0.0100		<b>0.498</b>	0.5000	0	99.5	85	115	06/23/2023
Molybdenum		0.0100		<b>0.485</b>	0.5000	0	97.0	85	115	06/29/2023
Potassium		0.100		<b>2.57</b>	2.500	0	102.7	85	115	06/29/2023
Potassium		0.100		<b>2.74</b>	2.500	0	109.6	85	115	06/23/2023
Silicon	*	0.0500	B	<b>0.518</b>	0.5000	0	103.5	85	115	06/29/2023
Silicon	*	0.0500		<b>0.562</b>	0.5000	0	112.3	85	115	06/23/2023
Sodium		0.0500		<b>2.47</b>	2.500	0	98.8	85	115	06/29/2023

Batch **207664** SampType: **MS** Units **mg/L**

SampID: 23060002-020CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		<b>4.14</b>	4.000	0.1045	100.9	75	125	06/23/2023



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23060002

Client Project: KIN-23Q2

Report Date: 04-Aug-23

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

Batch 207664		SampType: MSD		Units mg/L				RPD Limit: 20			Date Analyzed
SampID: 23060002-020CMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Aluminum		0.0250		<b>4.27</b>	4.000	0.1045	104.1	4.140	3.09	06/23/2023	

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

Batch 207442		SampType: MBLK		Units mg/L						Date Analyzed
SampID: MBLK-207442										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		< <b>0.0010</b>	0.0004	0	0	-100	100	06/19/2023
Cobalt		0.0010		< <b>0.0010</b>	0.0001	0	0	-100	100	06/19/2023
Lithium	*	0.0030		< <b>0.0030</b>	0.0015	0	0	-100	100	06/26/2023
Selenium		0.0010		< <b>0.0010</b>	0.0006	0	0	-100	100	06/19/2023
Thallium		0.0020		< <b>0.0020</b>	0.0010	0	0	-100	100	06/19/2023

### Batch 207442 SampType: LCS Units mg/L

SampID: LCS-207442										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		<b>0.476</b>	0.5000	0	95.2	80	120	06/19/2023
Cobalt		0.0010		<b>0.470</b>	0.5000	0	94.1	80	120	06/19/2023
Lithium	*	0.0030		<b>0.544</b>	0.5000	0	108.9	80	120	06/26/2023
Selenium		0.0010		<b>0.466</b>	0.5000	0	93.1	80	120	06/21/2023
Thallium		0.0020		<b>0.238</b>	0.2500	0	95.3	80	120	06/19/2023

### Batch 207505 SampType: MBLK Units mg/L

SampID: MBLK-207505										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		< <b>0.0010</b>	0.0004	0	0	-100	100	06/21/2023
Cobalt		0.0010		< <b>0.0010</b>	0.0001	0	0	-100	100	06/21/2023
Lithium	*	0.0030		< <b>0.0030</b>	0.0015	0	0	-100	100	06/21/2023
Selenium		0.0010		< <b>0.0010</b>	0.0006	0	0	-100	100	06/21/2023
Thallium		0.0020		< <b>0.0020</b>	0.0010	0	0	-100	100	06/21/2023



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23060002

Client Project: KIN-23Q2

Report Date: 04-Aug-23

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

Batch 207505		SampType: LCS		Units mg/L							
SampID: LCS-207505											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Antimony		0.0010		<b>0.427</b>	0.5000	0	85.5	80	120	06/21/2023	
Cobalt		0.0010		<b>0.439</b>	0.5000	0	87.8	80	120	06/21/2023	
Lithium	*	0.0030		<b>0.476</b>	0.5000	0	95.2	80	120	06/21/2023	
Selenium		0.0010		<b>0.438</b>	0.5000	0	87.6	80	120	06/21/2023	
Thallium		0.0020		<b>0.229</b>	0.2500	0	91.8	80	120	06/21/2023	

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

Batch 207271		SampType: MBLK		Units mg/L							
SampID: MBLK-207271											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Antimony		0.0010		< <b>0.0010</b>	0.0004	0	0	-100	100	06/15/2023	
Cobalt		0.0010		< <b>0.0010</b>	0.0001	0	0	-100	100	06/15/2023	
Lithium	*	0.0030		< <b>0.0030</b>	0.0015	0	0	-100	100	06/15/2023	
Selenium		0.0010		< <b>0.0010</b>	0.0006	0	0	-100	100	06/15/2023	
Thallium		0.0020		< <b>0.0020</b>	0.0010	0	0	-100	100	06/15/2023	

### Batch 207271 SampType: LCS Units mg/L

SampID: LCS-207271										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		<b>0.521</b>	0.5000	0	104.3	85	115	06/15/2023
Cobalt		0.0010		<b>0.486</b>	0.5000	0	97.2	85	115	06/15/2023
Lithium	*	0.0030		<b>0.476</b>	0.5000	0	95.2	85	115	06/15/2023
Selenium		0.0010		<b>0.561</b>	0.5000	0	112.3	85	115	06/15/2023
Thallium		0.0020		<b>0.246</b>	0.2500	0	98.4	85	115	06/15/2023

### Batch 207271 SampType: MS Units mg/L

SampID: 23060002-008CMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		<b>0.543</b>	0.5000	0	108.7	75	125	06/15/2023
Cobalt		0.0010		<b>0.477</b>	0.5000	0.001180	95.2	75	125	06/15/2023
Lithium	*	0.0030		<b>0.493</b>	0.5000	0.001729	98.3	75	125	06/15/2023
Selenium		0.0010		<b>0.553</b>	0.5000	0	110.6	75	125	06/15/2023
Thallium		0.0020		<b>0.241</b>	0.2500	0	96.5	75	125	06/15/2023



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23060002

Client Project: KIN-23Q2

Report Date: 04-Aug-23

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

Batch 207271		SampType: MSD		Units mg/L				RPD Limit: 20			
SampID: 23060002-008CMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Antimony		0.0010		<b>0.527</b>	0.5000	0	105.3	0.5433	3.12	06/15/2023	
Cobalt		0.0010		<b>0.469</b>	0.5000	0.001180	93.5	0.4771	1.80	06/15/2023	
Lithium	*	0.0030		<b>0.484</b>	0.5000	0.001729	96.4	0.4930	1.88	06/15/2023	
Selenium		0.0010		<b>0.540</b>	0.5000	0	108.0	0.5531	2.35	06/15/2023	
Thallium		0.0020		<b>0.242</b>	0.2500	0	96.7	0.2413	0.16	06/15/2023	

Batch 207360		SampType: MBLK		Units mg/L							
SampID: MBLK-207360											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Antimony		0.0010		< <b>0.0010</b>	0.0004	0	0	-100	100	06/19/2023	
Cobalt		0.0010		< <b>0.0010</b>	0.0001	0	0	-100	100	06/19/2023	
Lithium	*	0.0030		< <b>0.0030</b>	0.0015	0	0	-100	100	06/26/2023	
Selenium		0.0010		< <b>0.0010</b>	0.0006	0	0	-100	100	06/19/2023	
Thallium		0.0020		< <b>0.0020</b>	0.0010	0	0	-100	100	06/19/2023	

Batch 207360		SampType: LCS		Units mg/L							
SampID: LCS-207360											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Antimony		0.0010		<b>0.522</b>	0.5000	0	104.4	80	120	06/19/2023	
Cobalt		0.0010		<b>0.491</b>	0.5000	0	98.1	80	120	06/19/2023	
Lithium	*	0.0030		<b>0.592</b>	0.5000	0	118.5	80	120	06/26/2023	
Selenium		0.0010		<b>0.535</b>	0.5000	0	107.1	80	120	06/19/2023	
Thallium		0.0020		<b>0.233</b>	0.2500	0	93.1	80	120	06/19/2023	

Batch 207360		SampType: MS		Units mg/L							
SampID: 23060002-020CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Antimony		0.0010		<b>1.08</b>	1.000	0	107.6	75	125	06/19/2023	
Cobalt		0.0010		<b>0.951</b>	1.000	0.0009885	95.0	75	125	06/19/2023	
Lithium	*	0.0030		<b>0.991</b>	1.000	0.005227	98.6	75	125	06/27/2023	
Selenium		0.0010		<b>1.01</b>	1.000	0	101.3	75	125	06/19/2023	
Thallium		0.0020		<b>0.478</b>	0.5000	0	95.6	75	125	06/19/2023	



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23060002

Client Project: KIN-23Q2

Report Date: 04-Aug-23

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

Batch 207360		SampType: MSD		Units mg/L				RPD Limit: 20			Date Analyzed
SampID: 23060002-020CMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Antimony		0.0010		<b>1.15</b>	1.000	0	115.5	1.076	7.02	06/19/2023	
Cobalt		0.0010		<b>0.968</b>	1.000	0.0009885	96.7	0.9513	1.69	06/19/2023	
Lithium	*	0.0030		<b>1.03</b>	1.000	0.005227	102.4	0.9912	3.73	06/27/2023	
Selenium		0.0010		<b>1.05</b>	1.000	0	104.5	1.013	3.18	06/19/2023	
Thallium		0.0020		<b>0.506</b>	0.5000	0	101.2	0.4780	5.64	06/19/2023	

### Batch 207664 SampType: MBLK Units mg/L

SampID: MBLK-207664										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		< <b>0.0010</b>	0.0004	0	0	-100	100	06/23/2023
Cobalt		0.0010		< <b>0.0010</b>	0.0001	0	0	-100	100	06/23/2023
Lithium	*	0.0030		< <b>0.0030</b>	0.0015	0	0	-100	100	06/26/2023
Selenium		0.0010		< <b>0.0010</b>	0.0006	0	0	-100	100	06/26/2023
Thallium		0.0020		< <b>0.0020</b>	0.0010	0	0	-100	100	06/23/2023

### Batch 207664 SampType: LCS Units mg/L

SampID: LCS-207664										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		<b>0.456</b>	0.5000	0	91.2	80	120	06/23/2023
Cobalt		0.0010		<b>0.489</b>	0.5000	0	97.8	80	120	06/23/2023
Lithium	*	0.0030		<b>0.525</b>	0.5000	0	105.1	80	120	06/27/2023
Selenium		0.0010		<b>0.539</b>	0.5000	0	107.9	80	120	06/27/2023
Thallium		0.0020		<b>0.229</b>	0.2500	0	91.6	80	120	06/23/2023

### SW-846 7470A (TOTAL)

Batch 207548		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK-207548											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.00020		< <b>0.00020</b>	0.0001	0	0	-100	100	06/21/2023	

### Batch 207548 SampType: LCS Units mg/L

SampID: LCS-207548										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		<b>0.00427</b>	0.0050	0	85.5	85	115	06/21/2023



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23060002

Client Project: KIN-23Q2

Report Date: 04-Aug-23

### SW-846 7470A (TOTAL)

Batch 207548		SampType: MS		Units mg/L						
SampID: 23060002-014CMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		<b>0.00753</b>	0.0100	0	75.3	75	125	06/21/2023

Batch 207548		SampType: MSD		Units mg/L						
SampID: 23060002-014CMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		<b>0.00758</b>	0.0100	0	75.8	0.007526	0.66	06/21/2023

Batch 207599		SampType: MBLK		Units mg/L						
SampID: MBLK-207599										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		<b>&lt; 0.00020</b>	0.0001	0	0	-100	100	06/22/2023

Batch 207599		SampType: LCS		Units mg/L						
SampID: LCS-207599										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		<b>0.00425</b>	0.0050	0	85.0	85	115	06/22/2023

Batch 207599		SampType: MS		Units mg/L						
SampID: 23060002-026CMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020	S	<b>0.00677</b>	0.0100	0	67.7	75	125	06/22/2023

Batch 207599		SampType: MSD		Units mg/L						
SampID: 23060002-026CMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020	S	<b>0.00659</b>	0.0100	0	65.9	0.006773	2.72	06/22/2023



# Receiving Check List

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23060002

Client Project: KIN-23Q2

Report Date: 04-Aug-23

Carrier: Justin Colp

Received By: ANC

Completed by:

Reviewed by:

On:

19-Jun-23

Timothy W. Mathis

On:

23-Jun-23

Ellie Hopkins

Pages to follow: Chain of custody

Extra pages included

- Shipping container/cooler in good condition? Yes  No  Not Present  Temp °C **3.6**
- 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 #88374. - MP/acolin - 6/14/2023 10:24:39 AM

Additional H2SO4 (90128) was needed in MW-03 upon arrival at the laboratory. - MP/acolin - 6/14/2023 10:24:51 AM

Samples collected on 6/12/23 were delivered to the laboratory on 6/12/23 at 1720 (on ice - 4.8C - LTG5). pH strip #88374 - TWM/ANC/ehurley - 6/14/2023 5:56:43 PM



# CHAIN-OF-CUSTODY / Analytical Request Document

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

23060002

Page: 1 of 2

<b>Section A</b> Required Client Information:		<b>Section B</b> Required Project Information:		<b>Section C</b> Invoice Information:		<b>REGULATORY AGENCY</b>	
Company: <b>Vistra Corp</b>		Report To: <b>Brian Voelker</b>		Attention: <b>Jason Stuckey</b>		NPDES    GROUND WATER    DRINKING WATER	
Address: <b>13498 E. 900th St</b>		Copy To: <b>Jason Stuckey</b>		Company Name: <b>Vistra Corp</b>		UST    RCRA    OTHER	
Email To: <b>Brian.Voelker@VistraCorp.com</b>		Purchase Order No.:		Address: <b>see Section A</b>		Site Location	
Phone: <b>(217) 753-8911</b> Fax:		Project Name:		Quote Reference:		STATE: <b>IL</b>	
Requested Due Date/TAT: <b>10 day</b>		Project Number: <b>2285</b>		Project Manager:			
				Profile #:			

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX    CODE	DATE	TIME	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives										Analysis Test ↓	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Project No./ Lab I.D.	
									Unpreserved	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	NaOH	Na <sub>2</sub> O <sub>2</sub>	Methanol	Other	KIN-257-141	KIN-845-141					KIN-SUP-000
1	KIN-MW-01		6-12-23	1233				6	2	2	2												23060002-001
2	KIN-MW-02		6-12-23	1316				6	2	2	2												002
3	KIN-MW-03							6	2	2	2												003
4	KIN-MW-05							6	2	2	2												004
5	KIN-MW-06							6	2	2	2												005
6	KIN-MW-07		6-12-23	1510				6	2	2	2												006
7	KIN-MW-07#S		6-12-23	DRY				6	2	2	2												007
8	KIN-MW-08		6-12-23	1410				6	2	2	2												008
9	KIN-MW-08#S		6-12-23	DRY				6	2	2	2												009
10	KIN-MW-11		6-12-23	1423				6															010
11	KIN-MW-12							6															011
12	* KIN-MW-12#S		6/12/23	1250 *				0															012
13	* KIN-MW-12&D		6/12/23	1248 *				0															013
14	KIN-MW-20							6	2	2	2												014
15	* KIN-MW-20#S							6	2	2	2												015
16	* KIN-MW-23		6-12-23	1337				6	2	2	2												016

PRESV 88374 TM KALC

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
<b>KIN-23Q2 Rev 0</b>	<b>J Galp</b>	<b>6-12</b>	<b>1720</b>	<i>Justin Galp</i>	<b>6/12/23</b>	<b>1720</b>	<b>4.8</b>	<b>Y</b>	<b>N</b>	<b>Y</b>

<b>SAMPLER NAME AND SIGNATURE</b>			
PRINT Name of SAMPLER: <b>Justin Galp</b>		DATE Signed (MM/DD/YY): <b>6-12-23</b>	
SIGNATURE of SAMPLER: <i>Justin Galp</i>			

\* Date/Time per depth file. same 4/14/23





# CHAIN-OF-CUSTODY / Analytical Request Document

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

23060002

<b>Section A</b> Required Client Information:		<b>Section B</b> Required Project Information:		<b>Section C</b> Invoice Information:	
Company: <b>Vistra Corp</b>		Report To: <b>Brian Voelker</b>		Attention: <b>Jason Stuckey</b>	
Address: <b>13498 E. 900th St</b>		Copy To: <b>Jason Stuckey</b>		Company Name: <b>Vistra Corp</b>	
Email To: <b>Brian.Voelker@VistraCorp.com</b>		Purchase Order No.:		Address: <b>see Section A</b>	
Phone: <b>(217) 753-8911</b> Fax:		Project Name:		Quote Reference:	
Requested Due Date/TAT: <b>10 day</b>		Project Number: <b>2285</b>		Project Manager:	
				Profile #:	
				<b>REGULATORY AGENCY</b>	
				NPDES	
				GROUND WATER	
				DRINKING WATER	
				UST	
				RCRA	
				OTHER	
				Site Location	
				STATE: <b>IL</b>	

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	COLLECTED DATE TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives										Requested Analysis Filtered (Y/N)			Residual Chlorine (Y/N)	Project No./ Lab I.D.
						Unpreserved	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>5</sub>	Methanol	Other	Analysis Test ↓	KIN-257-141	KIN-845-141	KIN-SUP-000			
																		DRINKING WATER DW		
1	KIN-MW-27		6-13-23 1327	6	2	2	2												23060002-017	
2	KIN-MW-28		6-13-23 1232	6	2	2	2												018	
3	KIN-MW-30		6-13-23 1232	6	2	2	2												019	
4	KIN-MW-31		6-13-23 1150	6	2	2	2												020	
5	KIN-MW-31#S		6-13-23 1140	6	2	2	2												021	
6	KIN-MW-32		6-13-23 1032	6	2	2	2												022	
7	KIN-PZ41C		6-13-23 1123	6	2	2	2												023	
8	KIN-XPW01-pore		6-13-23 1323	6	2	2	2												024	
9	KIN-XPW02-pore		6-13-23 1442	6	2	2	2												025	
10	KIN-XPW03-pore		6-13-23 1249	6	2	2	2												026	
11	KIN-XPW04-pore		6-13-23 1211	6	2	2	2												027	
12	KIN-XSG-01			0															028	
13	KIN-YSG-02			0															029	
14	KIN-MW-08 Duplicate			6	2	2	2												030	
15	Field Blank		6-13-23 1354	6	2	2	2												031	

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
KIN-23Q2 Rev 0	J. Colp	6-13	1715	Alison Colp	6/13	1715	#1 3.6

↳ Well went dry after readings. NO recharge after 24 hr

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Justin Colp				
SIGNATURE of SAMPLER:	<i>Justin Colp</i>	DATE Signed (MM/DD/YY):	6-13-23		

October 13, 2023

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



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

**RE: KIN-23Q3**

**WorkOrder: 23081489**

Dear Eric Bauer:

TEKLAB, INC received 23 samples for KIN\_257\_141 on 9/7/2023 3:30:00 PM for the analysis presented in the following report.

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

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

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

Sincerely,



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



## Report Contents

<http://www.teklabinc.com/>

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**Client:** Ramboll

**Work Order:** 23081489

**Client Project:** KIN-23Q3

**Report Date:** 13-Oct-23

---

**This reporting package includes the following:**

Cover Letter	1
Report Contents	2
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Case Narrative	5
Accreditations	6
Laboratory Results	7
Sample Summary	28
Dates Report	29
Quality Control Results	54
Receiving Check List	96
Chain of Custody	Appended

**Client:** Ramboll

**Work Order:** 23081489

**Client Project:** KIN-23Q3

**Report Date:** 13-Oct-23

### Abbr Definition

\* Analytes on report marked with an asterisk are not NELAP accredited

CCV Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.

CRQL A Client Requested Quantitation Limit is a reporting limit that varies according to customer request. The CRQL may not be less than the MDL.

DF Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilution factors.

DNI Did not ignite

DUP Laboratory duplicate is a replicate aliquot prepared under the same laboratory conditions and independently analyzed to obtain a measure of precision.

ICV Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.

IDPH IL Dept. of Public Health

LCS Laboratory control sample is a sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes and analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system.

LCSD Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).

MBLK Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.

MDL "The method detection limit is defined as the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results."

MS Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).

MSD Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).

MW Molecular weight

NC Data is not acceptable for compliance purposes

ND Not Detected at the Reporting Limit

NELAP NELAP Accredited

PQL Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions.

RL The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.

RPD Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).

SPK The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.

Surr Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.

TIC Tentatively identified compound: Analytes tentatively identified in the sample by using a library search. Only results not in the calibration standard will be reported as tentatively identified compounds. Results for tentatively identified compounds that are not present in the calibration standard, but are assigned a specific chemical name based upon the library search, are calculated using total peak areas from reconstructed ion chromatograms and a response factor of one. The nearest Internal Standard is used for the calculation. The results of any TICs must be considered estimated, and are flagged with a "T". If the estimated result is above the calibration range it is flagged "ET"

TNTC Too numerous to count (> 200 CFU)

**Client:** Ramboll

**Work Order:** 23081489

**Client Project:** KIN-23Q3

**Report Date:** 13-Oct-23

### Qualifiers

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





# Case Narrative

<http://www.teklabinc.com/>

**Client:** Ramboll  
**Client Project:** KIN-23Q3

**Work Order:** 23081489  
**Report Date:** 13-Oct-23

**Cooler Receipt Temp:** 4.0 °C

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

MW-07S, MW-08S, MW-10, MW-27, PZ4A, and PZ4C could not be collected; the wells were dry. 31S went dry during sample collection; the container for total inorganics (Alkalinity B, Alkalinity C, Chloride, Fluoride, Nitrate, PO4, Sulfate and TDS) analyses could not be filled.

Collection dates/times for depth-only wells are per the field files. EAH 9/11/23

Per Eric Bauer, GW surface elevation calculations are not required. (ehurley - 9/27/2023 3:14:52 PM)

KIN\_257\_141 data is included in this report. EAH 10/13/23

## Locations

### Collinsville

**Address** 5445 Horseshoe Lake Road  
Collinsville, IL 62234-7425  
**Phone** (618) 344-1004  
**Fax** (618) 344-1005  
**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

### Springfield

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

### Chicago

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

### Kansas City

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



## Accreditations

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23081489

Client Project: KIN-23Q3

Report Date: 13-Oct-23

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



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
 Client Project: KIN-23Q3  
 Lab ID: 23081489-001  
 Matrix: GROUNDWATER

Work Order: 23081489  
 Report Date: 13-Oct-23

Client Sample ID: MW-01

Collection Date: 09/05/2023 12:43

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		16.41	ft	1	09/05/2023 12:43	R336100
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		1.4	NTU	1	09/05/2023 12:43	R336100
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		42	mV	1	09/05/2023 12:43	R336100
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		876	µS/cm	1	09/05/2023 12:43	R336100
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		16.6	°C	1	09/05/2023 12:43	R336100
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		0.57	mg/L	1	09/05/2023 12:43	R336100
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		6.44		1	09/05/2023 12:43	R336100
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	16	20		352	mg/L	1	09/07/2023 9:34	R336096
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	31	50		80	mg/L	5	09/12/2023 18:03	R336237
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.26	mg/L	1	09/11/2023 9:11	R336139
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		13	mg/L	1	09/12/2023 17:58	R336274
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100		54.3	mg/L	1	09/11/2023 17:07	211734
<i>Sample result(s) for Si exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.</i>									
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	09/21/2023 1:08	211734
Arsenic	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	09/21/2023 1:08	211734
Barium	NELAP	0.0007	0.0010		0.0417	mg/L	5	09/21/2023 17:17	211734
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/21/2023 1:08	211734
Boron	NELAP	0.0150	0.0250		0.270	mg/L	5	09/29/2023 9:34	211734
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/21/2023 1:08	211734
Chromium	NELAP	0.0010	0.0015		< 0.0015	mg/L	5	09/21/2023 1:08	211734
Cobalt	NELAP	0.0001	0.0010		< 0.0010	mg/L	5	09/21/2023 1:08	211734
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	09/21/2023 1:08	211734
Lithium	*	0.0015	0.0030	J	0.0017	mg/L	5	09/21/2023 1:08	211734
Molybdenum	*	0.0006	0.0015		< 0.0015	mg/L	5	09/21/2023 17:17	211734
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	09/21/2023 1:08	211734
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	09/21/2023 1:08	211734
<i>CCV recovered outside the upper control limits for Zn. Sample results are below the reporting limit. Data is reportable per the TNI standard.</i>									
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	09/09/2023 9:36	211828



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
 Client Project: KIN-23Q3  
 Lab ID: 23081489-002  
 Matrix: GROUNDWATER

Work Order: 23081489  
 Report Date: 13-Oct-23  
 Client Sample ID: MW-02  
 Collection Date: 09/05/2023 12:20

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		8.60	ft	1	09/05/2023 12:20	R336100
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		51	NTU	1	09/05/2023 12:20	R336100
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		-48	mV	1	09/05/2023 12:20	R336100
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		1260	µS/cm	1	09/05/2023 12:20	R336100
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		16.8	°C	1	09/05/2023 12:20	R336100
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		0.57	mg/L	1	09/05/2023 12:20	R336100
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		6.75		1	09/05/2023 12:20	R336100
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	40	50		495	mg/L	2.5	09/07/2023 9:35	R336096
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	61	100		130	mg/L	10	09/12/2023 18:11	R336237
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.51	mg/L	1	09/11/2023 9:14	R336139
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		14	mg/L	1	09/12/2023 18:06	R336274
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100		104	mg/L	1	09/11/2023 17:18	211734
<i>Sample result(s) for Si exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.</i>									
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	09/21/2023 1:13	211734
Arsenic	NELAP	0.0004	0.0010		0.0031	mg/L	5	09/21/2023 1:13	211734
Barium	NELAP	0.0007	0.0010		0.138	mg/L	5	09/21/2023 17:23	211734
Beryllium	NELAP	0.0002	0.0010	J	0.0004	mg/L	5	09/21/2023 1:13	211734
Boron	NELAP	0.0092	0.0250		0.0630	mg/L	5	09/29/2023 11:04	211734
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/21/2023 1:13	211734
Chromium	NELAP	0.0010	0.0015		0.0073	mg/L	5	09/21/2023 1:13	211734
Cobalt	NELAP	0.0001	0.0010		0.0029	mg/L	5	09/21/2023 1:13	211734
Lead	NELAP	0.0006	0.0010		0.0037	mg/L	5	09/21/2023 1:13	211734
Lithium	*	0.0015	0.0030		0.0096	mg/L	5	09/21/2023 1:13	211734
Molybdenum	*	0.0006	0.0015		0.0046	mg/L	5	09/26/2023 2:41	211734
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	09/21/2023 1:13	211734
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	09/21/2023 1:13	211734
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	09/09/2023 9:38	211828



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
 Client Project: KIN-23Q3  
 Lab ID: 23081489-003  
 Matrix: GROUNDWATER

Work Order: 23081489  
 Report Date: 13-Oct-23

Client Sample ID: MW-03  
 Collection Date: 09/05/2023 14:14

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		9.02	ft	1	09/05/2023 14:14	R336100
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		5.6	NTU	1	09/05/2023 14:14	R336100
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		35	mV	1	09/05/2023 14:14	R336100
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		1580	µS/cm	1	09/05/2023 14:14	R336100
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		17.3	°C	1	09/05/2023 14:14	R336100
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		0.71	mg/L	1	09/05/2023 14:14	R336100
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		6.84		1	09/05/2023 14:14	R336100
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	16	20		594	mg/L	1	09/07/2023 10:14	R336096
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	61	100		117	mg/L	10	09/12/2023 18:27	R336237
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.29	mg/L	1	09/11/2023 9:15	R336139
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4	S	28	mg/L	1	09/12/2023 18:17	R336274
<i>Matrix spike did not recover within control limits due to matrix interference.</i>									
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100		91.2	mg/L	1	09/11/2023 17:19	211734
<i>Sample result(s) for Si exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.</i>									
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	09/21/2023 1:18	211734
Arsenic	NELAP	0.0004	0.0010	J	0.0004	mg/L	5	09/21/2023 1:18	211734
Barium	NELAP	0.0007	0.0010		0.0431	mg/L	5	09/21/2023 17:29	211734
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/21/2023 1:18	211734
Boron	NELAP	0.0092	0.0250		1.71	mg/L	5	09/29/2023 11:09	211734
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/21/2023 1:18	211734
Chromium	NELAP	0.0010	0.0015		< 0.0015	mg/L	5	09/21/2023 1:18	211734
Cobalt	NELAP	0.0001	0.0010	J	0.0005	mg/L	5	09/21/2023 1:18	211734
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	09/21/2023 1:18	211734
Lithium	*	0.0015	0.0030	J	0.0018	mg/L	5	09/21/2023 1:18	211734
Molybdenum	*	0.0006	0.0015	J	0.0009	mg/L	5	09/21/2023 17:29	211734
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	09/21/2023 1:18	211734
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	09/21/2023 1:18	211734
<i>CCV recovered outside the upper control limits for Zn. Sample results are below the reporting limit. Data is reportable per the TNI standard.</i>									
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	09/09/2023 9:40	211828

Client: Ramboll  
 Client Project: KIN-23Q3  
 Lab ID: 23081489-005  
 Matrix: GROUNDWATER

Work Order: 23081489  
 Report Date: 13-Oct-23  
 Client Sample ID: MW-05  
 Collection Date: 09/06/2023 11:32

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		28.71	ft	1	09/06/2023 11:32	R336100
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		4.4	NTU	1	09/06/2023 11:32	R336100
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		-19	mV	1	09/06/2023 11:32	R336100
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		2120	µS/cm	1	09/06/2023 11:32	R336100
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		14.9	°C	1	09/06/2023 11:32	R336100
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		0.68	mg/L	1	09/06/2023 11:32	R336100
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		6.67		1	09/06/2023 11:32	R336100
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	16	20		732	mg/L	1	09/08/2023 9:01	R336151
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	6	10		10	mg/L	1	09/12/2023 18:59	R336237
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.20	mg/L	1	09/08/2023 14:47	R336108
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		44	mg/L	1	09/12/2023 18:59	R336274
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100		147	mg/L	1	09/11/2023 16:35	211778
<i>Sample result(s) for Si exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.</i>									
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	09/21/2023 2:09	211778
Arsenic	NELAP	0.0004	0.0010	J	0.0006	mg/L	5	09/21/2023 2:09	211778
Barium	NELAP	0.0007	0.0010		0.151	mg/L	5	09/21/2023 18:42	211778
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/21/2023 2:09	211778
Boron	NELAP	0.0092	0.0250		0.578	mg/L	5	09/29/2023 11:26	211778
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/21/2023 2:09	211778
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	09/21/2023 2:09	211778
Cobalt	NELAP	0.0001	0.0010	J	0.0006	mg/L	5	09/21/2023 2:09	211778
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	09/21/2023 2:09	211778
Lithium	*	0.0015	0.0030	J	0.0027	mg/L	5	09/21/2023 2:09	211778
Molybdenum	*	0.0006	0.0015	J	0.0011	mg/L	5	09/26/2023 0:09	211778
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	09/21/2023 2:09	211778
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	09/21/2023 2:09	211778
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	09/09/2023 9:54	211828



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
 Client Project: KIN-23Q3  
 Lab ID: 23081489-006  
 Matrix: GROUNDWATER

Work Order: 23081489  
 Report Date: 13-Oct-23  
 Client Sample ID: MW-06  
 Collection Date: 09/06/2023 13:44

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		11.97	ft	1	09/06/2023 13:44	R336100
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		6.7	NTU	1	09/06/2023 13:44	R336100
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		39	mV	1	09/06/2023 13:44	R336100
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		1450	µS/cm	1	09/06/2023 13:44	R336100
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		16.0	°C	1	09/06/2023 13:44	R336100
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		1.75	mg/L	1	09/06/2023 13:44	R336100
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		6.54		1	09/06/2023 13:44	R336100
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	16	20		584	mg/L	1	09/08/2023 9:02	R336151
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	61	100		151	mg/L	10	09/12/2023 19:06	R336237
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.22	mg/L	1	09/08/2023 14:49	R336108
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		5	mg/L	1	09/12/2023 19:02	R336274
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100		104	mg/L	1	09/11/2023 16:37	211778
<i>Sample result(s) for Si exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.</i>									
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	09/21/2023 2:14	211778
Arsenic	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	09/21/2023 2:14	211778
Barium	NELAP	0.0007	0.0010		0.0476	mg/L	5	09/21/2023 18:48	211778
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/21/2023 2:14	211778
Boron	NELAP	0.0092	0.0250		1.47	mg/L	5	09/29/2023 11:31	211778
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/21/2023 2:14	211778
Chromium	NELAP	0.0007	0.0015		0.0019	mg/L	5	09/21/2023 18:48	211778
Cobalt	NELAP	0.0001	0.0010	J	0.0003	mg/L	5	09/21/2023 2:14	211778
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	09/21/2023 2:14	211778
Lithium	*	0.0015	0.0030		< 0.0030	mg/L	5	09/21/2023 2:14	211778
Molybdenum	*	0.0006	0.0015		< 0.0015	mg/L	5	09/21/2023 18:48	211778
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	09/21/2023 2:14	211778
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	09/21/2023 2:14	211778
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	09/09/2023 9:56	211828



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
 Client Project: KIN-23Q3  
 Lab ID: 23081489-007  
 Matrix: GROUNDWATER

Work Order: 23081489  
 Report Date: 13-Oct-23  
 Client Sample ID: MW-07  
 Collection Date: 09/07/2023 9:50

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		10.30	ft	1	09/07/2023 9:50	R336100
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		10	NTU	1	09/07/2023 9:50	R336100
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		2	mV	1	09/07/2023 9:50	R336100
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		1910	µS/cm	1	09/07/2023 9:50	R336100
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		16.6	°C	1	09/07/2023 9:50	R336100
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		0.68	mg/L	1	09/07/2023 9:50	R336100
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		6.79		1	09/07/2023 9:50	R336100
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	16	20		824	mg/L	1	09/08/2023 12:08	R336151
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	61	100		259	mg/L	10	09/12/2023 19:15	R336237
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.30	mg/L	1	09/08/2023 14:51	R336108
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		6	mg/L	1	09/12/2023 19:10	R336274
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100		145	mg/L	1	09/11/2023 13:51	211803
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	09/20/2023 21:17	211803
Arsenic	NELAP	0.0004	0.0010	J	0.0006	mg/L	5	09/20/2023 21:17	211803
Barium	NELAP	0.0007	0.0010		0.0388	mg/L	5	09/22/2023 10:30	211803
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/20/2023 21:17	211803
Boron	NELAP	0.0092	0.0250		0.450	mg/L	5	09/22/2023 10:30	211803
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/20/2023 21:17	211803
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	09/20/2023 21:17	211803
Cobalt	NELAP	0.0001	0.0010	J	0.0004	mg/L	5	09/20/2023 21:17	211803
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	09/20/2023 21:17	211803
Lithium	*	0.0015	0.0030	J	0.0023	mg/L	5	09/20/2023 21:17	211803
Molybdenum	*	0.0006	0.0015		0.0035	mg/L	5	09/22/2023 10:30	211803
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	09/20/2023 21:17	211803
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	09/20/2023 21:17	211803
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	09/09/2023 9:58	211828





# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
 Client Project: KIN-23Q3  
 Lab ID: 23081489-009  
 Matrix: GROUNDWATER

Work Order: 23081489  
 Report Date: 13-Oct-23  
 Client Sample ID: MW-08  
 Collection Date: 09/07/2023 10:19

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		9.80	ft	1	09/07/2023 10:19	R336100
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		1.8	NTU	1	09/07/2023 10:19	R336100
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		32	mV	1	09/07/2023 10:19	R336100
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		2010	µS/cm	1	09/07/2023 10:19	R336100
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		15.0	°C	1	09/07/2023 10:19	R336100
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		0.57	mg/L	1	09/07/2023 10:19	R336100
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		6.57		1	09/07/2023 10:19	R336100
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	16	20		858	mg/L	1	09/08/2023 12:09	R336151
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	61	100		214	mg/L	10	09/12/2023 19:23	R336237
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.23	mg/L	1	09/08/2023 14:53	R336108
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		20	mg/L	1	09/12/2023 19:18	R336274
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100		151	mg/L	1	09/11/2023 13:52	211803
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	09/20/2023 21:22	211803
Arsenic	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	09/20/2023 21:22	211803
Barium	NELAP	0.0007	0.0010		0.0278	mg/L	5	09/22/2023 11:16	211803
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/20/2023 21:22	211803
Boron	NELAP	0.0092	0.0250		0.997	mg/L	5	09/22/2023 11:16	211803
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/20/2023 21:22	211803
Chromium	NELAP	0.0007	0.0015	J	0.0007	mg/L	5	09/20/2023 21:22	211803
Cobalt	NELAP	0.0001	0.0010		0.0012	mg/L	5	09/20/2023 21:22	211803
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	09/20/2023 21:22	211803
Lithium	*	0.0015	0.0030	J	0.0017	mg/L	5	09/20/2023 21:22	211803
Molybdenum	*	0.0006	0.0015		< 0.0015	mg/L	5	09/22/2023 11:16	211803
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	09/20/2023 21:22	211803
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	09/20/2023 21:22	211803
<i>Contamination present in the MBLK for Al. Sample results below the reporting limit are reportable per the TNI Standard.</i>									
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	09/09/2023 10:00	211828

Client: Ramboll  
 Client Project: KIN-23Q3  
 Lab ID: 23081489-013  
 Matrix: GROUNDWATER

Work Order: 23081489  
 Report Date: 13-Oct-23  
 Client Sample ID: MW-11  
 Collection Date: 09/05/2023 13:09

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		11.76	ft	1	09/05/2023 13:09	R336100
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		2.1	NTU	1	09/05/2023 13:09	R336100
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		-5	mV	1	09/05/2023 13:09	R336100
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		1730	µS/cm	1	09/05/2023 13:09	R336100
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		17.8	°C	1	09/05/2023 13:09	R336100
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		0.57	mg/L	1	09/05/2023 13:09	R336100
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		6.65		1	09/05/2023 13:09	R336100
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	16	20		650	mg/L	1	09/07/2023 10:14	R336096
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	31	50		129	mg/L	5	09/13/2023 13:54	R336315
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.56	mg/L	1	09/11/2023 9:19	R336139
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		32	mg/L	1	09/12/2023 19:50	R336274
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100		115	mg/L	1	09/11/2023 17:21	211734
<i>Sample result(s) for Si exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.</i>									
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	09/21/2023 1:23	211734
Arsenic	NELAP	0.0004	0.0010		0.0017	mg/L	5	09/21/2023 18:31	211734
Barium	NELAP	0.0007	0.0010		0.128	mg/L	5	09/21/2023 18:31	211734
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/21/2023 1:23	211734
Boron	NELAP	0.0092	0.0250		1.87	mg/L	5	09/29/2023 11:15	211734
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/21/2023 1:23	211734
Chromium	NELAP	0.0010	0.0015		< 0.0015	mg/L	5	09/21/2023 1:23	211734
Cobalt	NELAP	0.0001	0.0010	J	0.0003	mg/L	5	09/21/2023 1:23	211734
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	09/21/2023 1:23	211734
Lithium	*	0.0015	0.0030	J	0.0024	mg/L	5	09/21/2023 1:23	211734
Molybdenum	*	0.0006	0.0015		0.0048	mg/L	5	09/21/2023 18:31	211734
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	09/21/2023 1:23	211734
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	09/21/2023 1:23	211734
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	09/12/2023 9:13	211858



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
 Client Project: KIN-23Q3  
 Lab ID: 23081489-014  
 Matrix: GROUNDWATER

Work Order: 23081489  
 Report Date: 13-Oct-23  
 Client Sample ID: MW-12  
 Collection Date: 09/07/2023 9:19

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		7.51	ft	1	09/07/2023 9:19	R336100
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		8.0	NTU	1	09/07/2023 9:19	R336100
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		-58	mV	1	09/07/2023 9:19	R336100
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		2550	µS/cm	1	09/07/2023 9:19	R336100
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		16.0	°C	1	09/07/2023 9:19	R336100
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		0.52	mg/L	1	09/07/2023 9:19	R336100
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		6.46		1	09/07/2023 9:19	R336100
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	16	20		1190	mg/L	1	09/08/2023 12:10	R336151
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	61	100		380	mg/L	10	09/12/2023 20:16	R336237
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.20	mg/L	1	09/08/2023 14:57	R336108
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		29	mg/L	1	09/12/2023 20:11	R336274
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100		204	mg/L	1	09/12/2023 11:56	211803
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	09/20/2023 21:32	211803
Arsenic	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	09/20/2023 21:32	211803
Barium	NELAP	0.0007	0.0010		0.0866	mg/L	5	09/22/2023 11:27	211803
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/20/2023 21:32	211803
Boron	NELAP	0.0092	0.0250		3.94	mg/L	5	09/22/2023 11:27	211803
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/20/2023 21:32	211803
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	09/20/2023 21:32	211803
Cobalt	NELAP	0.0001	0.0010	J	0.0002	mg/L	5	09/20/2023 21:32	211803
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	09/20/2023 21:32	211803
Lithium	*	0.0015	0.0030		0.0089	mg/L	5	09/20/2023 21:32	211803
Molybdenum	*	0.0006	0.0015		< 0.0015	mg/L	5	09/22/2023 11:27	211803
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	09/20/2023 21:32	211803
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	09/20/2023 21:32	211803
<i>Contamination present in the MBLK for Al and Cu. Sample results below the reporting limit are reportable per the TNI Standard.</i>									
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	09/12/2023 9:15	211858



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
 Client Project: KIN-23Q3  
 Lab ID: 23081489-017  
 Matrix: GROUNDWATER

Work Order: 23081489  
 Report Date: 13-Oct-23  
 Client Sample ID: MW-20  
 Collection Date: 09/06/2023 9:45

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		9.75	ft	1	09/06/2023 9:45	R336100
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		9.3	NTU	1	09/06/2023 9:45	R336100
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		-227	mV	1	09/06/2023 9:45	R336100
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		1750	µS/cm	1	09/06/2023 9:45	R336100
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		15.7	°C	1	09/06/2023 9:45	R336100
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		0.58	mg/L	1	09/06/2023 9:45	R336100
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		6.90		1	09/06/2023 9:45	R336100
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	16	20		642	mg/L	1	09/08/2023 9:33	R336151
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	61	100		140	mg/L	10	09/12/2023 20:37	R336237
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.39	mg/L	1	09/08/2023 15:08	R336108
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		20	mg/L	1	09/12/2023 20:19	R336274
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100		122	mg/L	1	09/11/2023 16:39	211778
<i>Sample result(s) for Si exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.</i>									
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	09/21/2023 2:19	211778
Arsenic	NELAP	0.0004	0.0010	J	0.0006	mg/L	5	09/21/2023 2:19	211778
Barium	NELAP	0.0007	0.0010		0.105	mg/L	5	09/21/2023 18:53	211778
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/21/2023 2:19	211778
Boron	NELAP	0.0092	0.0250		0.642	mg/L	5	09/29/2023 11:37	211778
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/21/2023 2:19	211778
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	09/21/2023 2:19	211778
Cobalt	NELAP	0.0001	0.0010	J	0.0005	mg/L	5	09/21/2023 2:19	211778
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	09/21/2023 2:19	211778
Lithium	*	0.0015	0.0030		0.0046	mg/L	5	09/21/2023 2:19	211778
Molybdenum	*	0.0006	0.0015		0.0043	mg/L	5	09/26/2023 0:22	211778
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	09/21/2023 2:19	211778
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	09/21/2023 2:19	211778
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	09/12/2023 9:22	211858



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
 Client Project: KIN-23Q3  
 Lab ID: 23081489-018  
 Matrix: GROUNDWATER

Work Order: 23081489  
 Report Date: 13-Oct-23  
 Client Sample ID: MW-20S  
 Collection Date: 09/06/2023 10:11

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		6.68	ft	1	09/06/2023 10:11	R336100
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		7.8	NTU	1	09/06/2023 10:11	R336100
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		-210	mV	1	09/06/2023 10:11	R336100
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		2500	µS/cm	1	09/06/2023 10:11	R336100
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		19.0	°C	1	09/06/2023 10:11	R336100
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		0.92	mg/L	1	09/06/2023 10:11	R336100
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		6.71		1	09/06/2023 10:11	R336100
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	16	20		1030	mg/L	1	09/08/2023 9:33	R336151
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	61	100		352	mg/L	10	09/12/2023 20:46	R336237
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.22	mg/L	1	09/08/2023 15:10	R336108
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		18	mg/L	1	09/12/2023 20:40	R336274
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100		180	mg/L	1	09/11/2023 16:40	211778
<i>Sample result(s) for Si exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.</i>									
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	09/21/2023 2:25	211778
Arsenic	NELAP	0.0004	0.0010	J	0.0006	mg/L	5	09/21/2023 2:25	211778
Barium	NELAP	0.0007	0.0010		0.0346	mg/L	5	09/21/2023 19:50	211778
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/21/2023 2:25	211778
Boron	NELAP	0.0092	0.0250		2.13	mg/L	5	09/29/2023 11:42	211778
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/21/2023 2:25	211778
Chromium	NELAP	0.0007	0.0015	J	0.0009	mg/L	5	09/21/2023 2:25	211778
Cobalt	NELAP	0.0001	0.0010	J	0.0008	mg/L	5	09/21/2023 2:25	211778
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	09/21/2023 2:25	211778
Lithium	*	0.0015	0.0030		< 0.0030	mg/L	5	09/21/2023 2:25	211778
Molybdenum	*	0.0006	0.0015		< 0.0015	mg/L	5	09/21/2023 19:50	211778
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	09/21/2023 2:25	211778
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	09/21/2023 2:25	211778
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	09/12/2023 9:24	211858



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
 Client Project: KIN-23Q3  
 Lab ID: 23081489-019  
 Matrix: GROUNDWATER

Work Order: 23081489  
 Report Date: 13-Oct-23

Client Sample ID: MW-23  
 Collection Date: 09/05/2023 13:40

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		16.66	ft	1	09/05/2023 13:40	R336100
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		3.5	NTU	1	09/05/2023 13:40	R336100
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		13	mV	1	09/05/2023 13:40	R336100
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		1700	µS/cm	1	09/05/2023 13:40	R336100
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		15.6	°C	1	09/05/2023 13:40	R336100
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		0.74	mg/L	1	09/05/2023 13:40	R336100
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		6.81		1	09/05/2023 13:40	R336100
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	16	20		634	mg/L	1	09/07/2023 10:14	R336096
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	6	10		48	mg/L	1	09/12/2023 20:48	R336237
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.40	mg/L	1	09/11/2023 9:21	R336139
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		26	mg/L	1	09/12/2023 20:48	R336274
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100		109	mg/L	1	09/11/2023 17:22	211734
<i>Sample result(s) for Si exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.</i>									
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	09/21/2023 1:28	211734
Arsenic	NELAP	0.0004	0.0010		0.0014	mg/L	5	09/21/2023 1:28	211734
Barium	NELAP	0.0007	0.0010		0.0980	mg/L	5	09/21/2023 18:37	211734
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/21/2023 1:28	211734
Boron	NELAP	0.0092	0.0250		2.39	mg/L	5	09/29/2023 11:20	211734
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/21/2023 1:28	211734
Chromium	NELAP	0.0010	0.0015		< 0.0015	mg/L	5	09/21/2023 1:28	211734
Cobalt	NELAP	0.0001	0.0010	J	0.0010	mg/L	5	09/21/2023 1:28	211734
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	09/21/2023 1:28	211734
Lithium	*	0.0015	0.0030		< 0.0030	mg/L	5	09/21/2023 1:28	211734
Molybdenum	*	0.0006	0.0015	J	0.0012	mg/L	5	09/21/2023 18:37	211734
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	09/21/2023 1:28	211734
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	09/21/2023 1:28	211734
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	09/12/2023 9:26	211858



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
 Client Project: KIN-23Q3  
 Lab ID: 23081489-021  
 Matrix: GROUNDWATER

Work Order: 23081489  
 Report Date: 13-Oct-23  
 Client Sample ID: MW-28  
 Collection Date: 09/06/2023 14:08

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		8.15	ft	1	09/06/2023 14:08	R336100
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		4.1	NTU	1	09/06/2023 14:08	R336100
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		19	mV	1	09/06/2023 14:08	R336100
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		3880	µS/cm	1	09/06/2023 14:08	R336100
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		16.1	°C	1	09/06/2023 14:08	R336100
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		0.55	mg/L	1	09/06/2023 14:08	R336100
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		6.81		1	09/06/2023 14:08	R336100
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	16	20		1860	mg/L	1	09/08/2023 9:33	R336151
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	123	200		920	mg/L	20	09/12/2023 21:57	R336237
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.15	mg/L	1	09/08/2023 15:11	R336108
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		14	mg/L	1	09/12/2023 21:52	R336274
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100		264	mg/L	1	09/11/2023 16:42	211778
<i>Sample result(s) for Si exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.</i>									
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	09/21/2023 2:30	211778
Arsenic	NELAP	0.0004	0.0010	J	0.0004	mg/L	5	09/21/2023 2:30	211778
Barium	NELAP	0.0007	0.0010		0.0233	mg/L	5	09/21/2023 19:56	211778
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/21/2023 2:30	211778
Boron	NELAP	0.0092	0.0250		9.88	mg/L	5	09/29/2023 12:52	211778
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/21/2023 2:30	211778
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	09/21/2023 2:30	211778
Cobalt	NELAP	0.0001	0.0010	J	0.0005	mg/L	5	09/21/2023 2:30	211778
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	09/21/2023 2:30	211778
Lithium	*	0.0015	0.0030		0.0063	mg/L	5	09/21/2023 2:30	211778
Molybdenum	*	0.0006	0.0015		0.0045	mg/L	5	09/21/2023 19:56	211778
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	09/21/2023 2:30	211778
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	09/21/2023 2:30	211778
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	09/12/2023 9:28	211858



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
 Client Project: KIN-23Q3  
 Lab ID: 23081489-022  
 Matrix: GROUNDWATER

Work Order: 23081489  
 Report Date: 13-Oct-23

Client Sample ID: MW-30

Collection Date: 09/06/2023 13:09

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		25.32	ft	1	09/06/2023 13:09	R336100
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		9.7	NTU	1	09/06/2023 13:09	R336100
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		-86	mV	1	09/06/2023 13:09	R336100
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		1860	µS/cm	1	09/06/2023 13:09	R336100
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		15.4	°C	1	09/06/2023 13:09	R336100
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		0.74	mg/L	1	09/06/2023 13:09	R336100
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		6.67		1	09/06/2023 13:09	R336100
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	40	50		565	mg/L	2.5	09/08/2023 9:34	R336151
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	6	10	J	6	mg/L	1	09/12/2023 20:56	R336237
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.33	mg/L	1	09/08/2023 15:13	R336108
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		41	mg/L	1	09/12/2023 20:56	R336274
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100	S	111	mg/L	1	09/11/2023 16:54	211778
<i>Sample result(s) for Si exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.</i>									
<i>Matrix spike control limits are not applicable due to high sample/spike ratio.</i>									
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	09/21/2023 3:11	211778
Arsenic	NELAP	0.0004	0.0010		0.0068	mg/L	5	09/21/2023 3:11	211778
Barium	NELAP	0.0007	0.0010		0.164	mg/L	5	09/21/2023 20:18	211778
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/21/2023 3:11	211778
Boron	NELAP	0.0092	0.0250		1.20	mg/L	5	09/29/2023 13:20	211778
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/21/2023 3:11	211778
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	09/21/2023 3:11	211778
Cobalt	NELAP	0.0001	0.0010		0.0021	mg/L	5	09/21/2023 3:11	211778
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	09/21/2023 3:11	211778
Lithium	*	0.0015	0.0030		< 0.0030	mg/L	5	09/21/2023 3:11	211778
Molybdenum	*	0.0006	0.0015		0.0022	mg/L	5	09/22/2023 19:16	211778
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	09/21/2023 20:18	211778
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	09/21/2023 3:11	211778
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	09/12/2023 9:35	211858





# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
 Client Project: KIN-23Q3  
 Lab ID: 23081489-023  
 Matrix: GROUNDWATER

Work Order: 23081489  
 Report Date: 13-Oct-23

Client Sample ID: MW-31

Collection Date: 09/06/2023 11:56

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		32.72	ft	1	09/06/2023 11:56	R336100
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		7.6	NTU	1	09/06/2023 11:56	R336100
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		-101	mV	1	09/06/2023 11:56	R336100
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		1790	µS/cm	1	09/06/2023 11:56	R336100
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		15.9	°C	1	09/06/2023 11:56	R336100
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		0.93	mg/L	1	09/06/2023 11:56	R336100
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		6.72		1	09/06/2023 11:56	R336100
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	40	50		565	mg/L	2.5	09/08/2023 9:34	R336151
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	6	10		< 10	mg/L	1	09/12/2023 21:04	R336237
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.18	mg/L	1	09/08/2023 15:15	R336108
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		44	mg/L	1	09/12/2023 21:04	R336274
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100		123	mg/L	1	09/11/2023 16:43	211778
<i>Sample result(s) for Si exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.</i>									
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	09/21/2023 2:35	211778
Arsenic	NELAP	0.0004	0.0010		0.0023	mg/L	5	09/21/2023 2:35	211778
Barium	NELAP	0.0007	0.0010		0.206	mg/L	5	09/21/2023 20:01	211778
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/21/2023 2:35	211778
Boron	NELAP	0.0092	0.0250		0.224	mg/L	5	09/29/2023 12:58	211778
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/21/2023 2:35	211778
Chromium	NELAP	0.0007	0.0015	J	0.0008	mg/L	5	09/21/2023 2:35	211778
Cobalt	NELAP	0.0001	0.0010	J	0.0009	mg/L	5	09/21/2023 2:35	211778
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	09/21/2023 2:35	211778
Lithium	*	0.0015	0.0030		0.0037	mg/L	5	09/21/2023 2:35	211778
Molybdenum	*	0.0006	0.0015	J	0.0007	mg/L	5	09/21/2023 20:01	211778
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	09/21/2023 2:35	211778
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	09/21/2023 2:35	211778
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	09/12/2023 9:37	211858



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
 Client Project: KIN-23Q3  
 Lab ID: 23081489-024  
 Matrix: GROUNDWATER

Work Order: 23081489  
 Report Date: 13-Oct-23

Client Sample ID: MW-31S

Collection Date: 09/06/2023 12:29

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		21.46	ft	1	09/06/2023 12:29	R336100
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		28	NTU	1	09/06/2023 12:29	R336100
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		-140	mV	1	09/06/2023 12:29	R336100
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		2210	µS/cm	1	09/06/2023 12:29	R336100
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		15.8	°C	1	09/06/2023 12:29	R336100
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		1.30	mg/L	1	09/06/2023 12:29	R336100
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		6.71		1	09/06/2023 12:29	R336100
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100		155	mg/L	1	09/11/2023 16:59	211778
<i>Sample result(s) for Si exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.</i>									
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	09/21/2023 2:40	211778
Arsenic	NELAP	0.0004	0.0010		0.0182	mg/L	5	09/21/2023 2:40	211778
Barium	NELAP	0.0007	0.0010		0.254	mg/L	5	09/21/2023 20:07	211778
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/21/2023 2:40	211778
Boron	NELAP	0.0092	0.0250		0.0362	mg/L	5	09/29/2023 13:09	211778
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/21/2023 2:40	211778
Chromium	NELAP	0.0007	0.0015	J	0.0008	mg/L	5	09/21/2023 2:40	211778
Cobalt	NELAP	0.0001	0.0010		0.0041	mg/L	5	09/22/2023 18:59	211778
Lead	NELAP	0.0006	0.0010		0.0024	mg/L	5	09/21/2023 2:40	211778
Lithium	*	0.0015	0.0030		< 0.0030	mg/L	5	09/21/2023 2:40	211778
Molybdenum	*	0.0006	0.0015	J	0.0014	mg/L	5	09/21/2023 20:07	211778
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	09/21/2023 2:40	211778
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	09/21/2023 2:40	211778
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	09/12/2023 9:40	211858



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
 Client Project: KIN-23Q3  
 Lab ID: 23081489-025  
 Matrix: GROUNDWATER

Work Order: 23081489  
 Report Date: 13-Oct-23

Client Sample ID: MW-32  
 Collection Date: 09/06/2023 11:01

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		25.45	ft	1	09/06/2023 11:01	R336100
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		3.4	NTU	1	09/06/2023 11:01	R336100
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		-22	mV	1	09/06/2023 11:01	R336100
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		2470	µS/cm	1	09/06/2023 11:01	R336100
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		16.0	°C	1	09/06/2023 11:01	R336100
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		0.70	mg/L	1	09/06/2023 11:01	R336100
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		6.57		1	09/06/2023 11:01	R336100
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	16	20		1050	mg/L	1	09/08/2023 9:34	R336151
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	123	200		340	mg/L	20	09/12/2023 21:31	R336237
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.19	mg/L	1	09/08/2023 15:16	R336108
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		10	mg/L	1	09/12/2023 21:12	R336274
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100		165	mg/L	1	09/11/2023 17:01	211778
<i>Sample result(s) for Si exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.</i>									
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	09/21/2023 2:45	211778
Arsenic	NELAP	0.0004	0.0010	J	0.0005	mg/L	5	09/21/2023 2:45	211778
Barium	NELAP	0.0007	0.0010		0.0518	mg/L	5	09/21/2023 20:13	211778
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/21/2023 2:45	211778
Boron	NELAP	0.0092	0.0250		1.81	mg/L	5	09/29/2023 13:14	211778
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/21/2023 2:45	211778
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	09/21/2023 2:45	211778
Cobalt	NELAP	0.0001	0.0010	J	0.0007	mg/L	5	09/21/2023 2:45	211778
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	09/21/2023 2:45	211778
Lithium	*	0.0015	0.0030		< 0.0030	mg/L	5	09/21/2023 2:45	211778
Molybdenum	*	0.0006	0.0015		< 0.0015	mg/L	5	09/21/2023 20:13	211778
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	09/21/2023 2:45	211778
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	09/21/2023 2:45	211778
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	09/12/2023 9:42	211858



## Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23081489

Client Project: KIN-23Q3

Report Date: 13-Oct-23

Lab ID: 23081489-032

Client Sample ID: XSG-01

Matrix: GROUNDWATER

Collection Date: 09/05/2023 15:05

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		2.78	ft	1	09/05/2023 15:05	R336100



## Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23081489

Client Project: KIN-23Q3

Report Date: 13-Oct-23

Lab ID: 23081489-033

Client Sample ID: YSG-02

Matrix: GROUNDWATER

Collection Date: 09/05/2023 15:22

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		<b>9.10</b>	ft	1	09/05/2023 15:22	R336100



## Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
 Client Project: KIN-23Q3  
 Lab ID: 23081489-034  
 Matrix: AQUEOUS

Work Order: 23081489  
 Report Date: 13-Oct-23  
 Client Sample ID: Field Blank  
 Collection Date: 09/07/2023 13:58

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	16	20		< 20	mg/L	1	09/08/2023 12:10	R336151
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	6	10		< 10	mg/L	1	09/12/2023 21:35	R336237
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		< 0.10	mg/L	1	09/08/2023 15:18	R336108
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		< 4	mg/L	1	09/12/2023 21:36	R336274
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100		< 0.100	mg/L	1	09/11/2023 15:21	211803
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	09/20/2023 22:54	211803
Arsenic	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	09/20/2023 22:54	211803
Barium	NELAP	0.0007	0.0010		< 0.0010	mg/L	5	09/22/2023 11:49	211803
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/20/2023 22:54	211803
Boron	NELAP	0.0092	0.025	J	0.014	mg/L	5	09/22/2023 11:49	211803
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/20/2023 22:54	211803
Chromium	NELAP	0.0007	0.0015		0.0067	mg/L	5	09/20/2023 22:54	211803
Cobalt	NELAP	0.0001	0.0010	J	0.0003	mg/L	5	09/20/2023 22:54	211803
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	09/20/2023 22:54	211803
Lithium	*	0.0015	0.0030		< 0.0030	mg/L	5	09/20/2023 22:54	211803
Molybdenum	*	0.0006	0.0015	J	0.0007	mg/L	5	09/22/2023 11:49	211803
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	09/20/2023 22:54	211803
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	09/20/2023 22:54	211803
<i>Contamination present in the MBLK for Al. Sample results below the reporting limit are reportable per the TNI Standard.</i>									
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	09/12/2023 9:49	211858



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
 Client Project: KIN-23Q3  
 Lab ID: 23081489-035  
 Matrix: GROUNDWATER

Work Order: 23081489  
 Report Date: 13-Oct-23  
 Client Sample ID: MW-08 Duplicate  
 Collection Date: 09/07/2023 10:19

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		9.80	ft	1	09/07/2023 10:19	R336100
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		1.8	NTU	1	09/07/2023 10:19	R336100
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		32	mV	1	09/07/2023 10:19	R336100
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		2010	µS/cm	1	09/07/2023 10:19	R336100
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		15.0	°C	1	09/07/2023 10:19	R336100
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		0.57	mg/L	1	09/07/2023 10:19	R336100
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		6.57		1	09/07/2023 10:19	R336100
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	16	20		840	mg/L	1	09/08/2023 12:10	R336151
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	61	100		204	mg/L	10	09/12/2023 21:49	R336237
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.22	mg/L	1	09/08/2023 15:21	R336108
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		20	mg/L	1	09/12/2023 21:44	R336274
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100		152	mg/L	1	09/12/2023 11:57	211803
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	09/20/2023 22:59	211803
Arsenic	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	09/20/2023 22:59	211803
Barium	NELAP	0.0007	0.0010		0.0283	mg/L	5	09/22/2023 12:34	211803
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/20/2023 22:59	211803
Boron	NELAP	0.0092	0.0250		1.00	mg/L	5	09/22/2023 12:34	211803
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/20/2023 22:59	211803
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	09/20/2023 22:59	211803
Cobalt	NELAP	0.0001	0.0010		0.0015	mg/L	5	09/22/2023 12:34	211803
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	09/20/2023 22:59	211803
Lithium	*	0.0015	0.0030	J	0.0020	mg/L	5	09/20/2023 22:59	211803
Molybdenum	*	0.0006	0.0015		< 0.0015	mg/L	5	09/22/2023 12:34	211803
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	09/20/2023 22:59	211803
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	09/20/2023 22:59	211803
<i>Contamination present in the MBLK for Al and Cu. Sample results below the reporting limit are reportable per the TNI Standard.</i>									
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	09/12/2023 9:53	211858

**Client:** Ramboll

**Work Order:** 23081489

**Client Project:** KIN-23Q3

**Report Date:** 13-Oct-23

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
23081489-001	MW-01	Groundwater	7	09/05/2023 12:43
23081489-002	MW-02	Groundwater	7	09/05/2023 12:20
23081489-003	MW-03	Groundwater	7	09/05/2023 14:14
23081489-005	MW-05	Groundwater	7	09/06/2023 11:32
23081489-006	MW-06	Groundwater	7	09/06/2023 13:44
23081489-007	MW-07	Groundwater	7	09/07/2023 9:50
23081489-008	MW-07S	Groundwater	6	09/07/2023 0:00
23081489-009	MW-08	Groundwater	7	09/07/2023 10:19
23081489-010	MW-08S	Groundwater	6	09/07/2023 0:00
23081489-013	MW-11	Groundwater	7	09/05/2023 13:09
23081489-014	MW-12	Groundwater	7	09/07/2023 9:19
23081489-017	MW-20	Groundwater	6	09/06/2023 9:45
23081489-018	MW-20S	Groundwater	6	09/06/2023 10:11
23081489-019	MW-23	Groundwater	6	09/05/2023 13:40
23081489-020	MW-27	Groundwater	6	09/07/2023 0:00
23081489-021	MW-28	Groundwater	6	09/06/2023 14:08
23081489-022	MW-30	Groundwater	6	09/06/2023 13:09
23081489-023	MW-31	Groundwater	6	09/06/2023 11:56
23081489-024	MW-31S	Groundwater	6	09/06/2023 12:29
23081489-025	MW-32	Groundwater	6	09/06/2023 11:01
23081489-027	PZ4C	Groundwater	6	09/06/2023 0:00
23081489-032	XSG-01	Groundwater	1	09/05/2023 15:05
23081489-033	YSG-02	Groundwater	1	09/05/2023 15:22
23081489-034	Field Blank	Aqueous	7	09/07/2023 13:58
23081489-035	MW-08 Duplicate	Groundwater	7	09/07/2023 10:19





## Dates Report

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23081489

Client Project: KIN-23Q3

Report Date: 13-Oct-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
Test Name					
23081489-001A	MW-01	09/05/2023 12:43	09/05/2023 16:30		
	Ferrous Iron by CHEMets Kit				09/05/2023 12:43
	Field Elevation Measurements				09/05/2023 12:43
	Standard Methods 2130 B Field				09/05/2023 12:43
	Standard Methods 18th Ed. 2580 B Field				09/05/2023 12:43
	Standard Methods 2320 B (Total) 1997, 2011				09/12/2023 9:15
	Standard Methods 2320 B 1997, 2011				09/12/2023 9:15
	Standard Methods 2510 B Field				09/05/2023 12:43
	Standard Methods 2540 C (Total) 1997, 2011				09/07/2023 9:34
	Standard Methods 2550 B Field				09/05/2023 12:43
	Standard Methods 4500-NO2 B (Total) 2000, 2011				09/06/2023 18:41
	Standard Methods 4500-NO3 F (Total) 2000, 2011				09/06/2023 11:48
	Standard Methods 4500-NO3 F (Total) 2000, 2011				09/06/2023 11:48
	Standard Methods 4500-O G Field				09/05/2023 12:43
	Standard Methods 4500-P E 1999				09/06/2023 13:33
	Standard Methods 4500-P E 1999, 2011				09/06/2023 13:22
	SW-846 9036 (Total)				09/12/2023 18:03
	SW-846 9040B Field				09/05/2023 12:43
	SW-846 9214 (Total)				09/11/2023 9:11
	SW-846 9251 (Total)				09/12/2023 17:58
23081489-001B	MW-01	09/05/2023 12:43	09/05/2023 16:30		
	Standard Methods 2320 B (Dissolved) 1997, 2011				09/12/2023 14:50
	Standard Methods 2320 B (Dissolved) 1997, 2011				09/12/2023 14:50
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				09/06/2023 18:34
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				09/06/2023 11:50
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				09/06/2023 11:50
	Standard Methods 4500-P E (Dissolved) 1999, 2011				09/06/2023 13:24
	Standard Methods 4500-P E (Dissolved) 1999				09/06/2023 13:33
	SW-846 9036 (Dissolved)				09/12/2023 14:22
	SW-846 9251 (Dissolved)				09/09/2023 1:03
23081489-001C	MW-01	09/05/2023 12:43	09/05/2023 16:30		
	SW-846 3005A, 6010B, Metals by ICP (Total)			09/06/2023 16:26	09/11/2023 17:07
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/06/2023 16:26	09/21/2023 1:08
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/06/2023 16:26	09/21/2023 17:17
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/06/2023 16:26	09/22/2023 15:35
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/06/2023 16:26	09/26/2023 2:34
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/06/2023 16:26	09/27/2023 19:13
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/06/2023 16:26	09/29/2023 9:34



## Dates Report

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23081489

Client Project: KIN-23Q3

Report Date: 13-Oct-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	SW-846 7470A (Total)			09/08/2023 16:56	09/09/2023 9:36
23081489-001D	MW-01	09/05/2023 12:43	09/05/2023 16:30		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			09/11/2023 8:45	09/11/2023 15:33
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			09/11/2023 8:45	09/12/2023 10:32
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			09/11/2023 8:45	10/02/2023 16:25
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			09/11/2023 8:45	10/05/2023 8:39
23081489-001E	MW-01	09/05/2023 12:43	09/05/2023 16:30		
	SW-846 9012A (Total)			09/06/2023 15:35	09/07/2023 11:46
23081489-001F	MW-01	09/05/2023 12:43	09/05/2023 16:30		
	SW-846 9060A				09/08/2023 0:09
23081489-001G	MW-01	09/05/2023 12:43	09/05/2023 16:30		
	SW-846 9060A				09/08/2023 1:39
23081489-002A	MW-02	09/05/2023 12:20	09/05/2023 16:30		
	Ferrous Iron by CHEMets Kit				09/05/2023 12:20
	Field Elevation Measurements				09/05/2023 12:20
	Standard Methods 2130 B Field				09/05/2023 12:20
	Standard Methods 18th Ed. 2580 B Field				09/05/2023 12:20
	Standard Methods 2320 B (Total) 1997, 2011				09/12/2023 9:29
	Standard Methods 2320 B 1997, 2011				09/12/2023 9:29
	Standard Methods 2510 B Field				09/05/2023 12:20
	Standard Methods 2540 C (Total) 1997, 2011				09/07/2023 9:35
	Standard Methods 2550 B Field				09/05/2023 12:20
	Standard Methods 4500-NO2 B (Total) 2000, 2011				09/06/2023 18:42
	Standard Methods 4500-NO3 F (Total) 2000, 2011				09/06/2023 11:52
	Standard Methods 4500-NO3 F (Total) 2000, 2011				09/06/2023 11:52
	Standard Methods 4500-O G Field				09/05/2023 12:20
	Standard Methods 4500-P E 1999				09/06/2023 13:33
	Standard Methods 4500-P E 1999, 2011				09/06/2023 13:26
	SW-846 9036 (Total)				09/12/2023 18:11
	SW-846 9040B Field				09/05/2023 12:20
	SW-846 9214 (Total)				09/11/2023 9:14
	SW-846 9251 (Total)				09/12/2023 18:06
23081489-002B	MW-02	09/05/2023 12:20	09/05/2023 16:30		
	Standard Methods 2320 B (Dissolved) 1997, 2011				09/12/2023 11:41
	Standard Methods 2320 B (Dissolved) 1997, 2011				09/12/2023 11:41
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				09/06/2023 18:35
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				09/06/2023 11:55



## Dates Report

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23081489

Client Project: KIN-23Q3

Report Date: 13-Oct-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	Test Name				
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				09/06/2023 11:55
	Standard Methods 4500-P E (Dissolved) 1999, 2011				09/06/2023 13:27
	Standard Methods 4500-P E (Dissolved) 1999				09/06/2023 13:33
	SW-846 9036 (Dissolved)				09/09/2023 1:43
	SW-846 9251 (Dissolved)				09/09/2023 1:25
23081489-002C	MW-02	09/05/2023 12:20	09/05/2023 16:30		
	SW-846 3005A, 6010B, Metals by ICP (Total)			09/06/2023 16:26	09/11/2023 17:18
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/06/2023 16:26	09/21/2023 1:13
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/06/2023 16:26	09/21/2023 17:23
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/06/2023 16:26	09/22/2023 15:40
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/06/2023 16:26	09/26/2023 2:41
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/06/2023 16:26	09/27/2023 20:23
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/06/2023 16:26	09/29/2023 11:04
	SW-846 7470A (Total)			09/08/2023 16:56	09/09/2023 9:38
23081489-002D	MW-02	09/05/2023 12:20	09/05/2023 16:30		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			09/11/2023 8:45	09/11/2023 15:33
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			09/11/2023 8:45	09/12/2023 10:33
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			09/11/2023 8:45	10/02/2023 16:31
23081489-002E	MW-02	09/05/2023 12:20	09/05/2023 16:30		
	SW-846 9012A (Total)			09/06/2023 15:35	09/07/2023 11:50
23081489-002F	MW-02	09/05/2023 12:20	09/05/2023 16:30		
	SW-846 9060A				09/08/2023 1:14
23081489-002G	MW-02	09/05/2023 12:20	09/05/2023 16:30		
	SW-846 9060A				09/08/2023 1:44
23081489-003A	MW-03	09/05/2023 14:14	09/05/2023 16:30		
	Ferrous Iron by CHEMets Kit				09/05/2023 14:14
	Field Elevation Measurements				09/05/2023 14:14
	Standard Methods 2130 B Field				09/05/2023 14:14
	Standard Methods 18th Ed. 2580 B Field				09/05/2023 14:14
	Standard Methods 2320 B (Total) 1997, 2011				09/12/2023 9:39
	Standard Methods 2320 B 1997, 2011				09/12/2023 9:39
	Standard Methods 2510 B Field				09/05/2023 14:14
	Standard Methods 2540 C (Total) 1997, 2011				09/07/2023 10:14
	Standard Methods 2550 B Field				09/05/2023 14:14
	Standard Methods 4500-NO2 B (Total) 2000, 2011				09/06/2023 18:42
	Standard Methods 4500-NO3 F (Total) 2000, 2011				09/06/2023 11:57
	Standard Methods 4500-NO3 F (Total) 2000, 2011				09/06/2023 11:57



## Dates Report

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23081489

Client Project: KIN-23Q3

Report Date: 13-Oct-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	Test Name				
	Standard Methods 4500-O G Field				09/05/2023 14:14
	Standard Methods 4500-P E 1999				09/06/2023 13:33
	Standard Methods 4500-P E 1999, 2011				09/06/2023 13:28
	SW-846 9036 (Total)				09/12/2023 18:27
	SW-846 9040B Field				09/05/2023 14:14
	SW-846 9214 (Total)				09/11/2023 9:15
	SW-846 9251 (Total)				09/12/2023 18:17
23081489-003B	MW-03	09/05/2023 14:14	09/05/2023 16:30		
	Standard Methods 2320 B (Dissolved) 1997, 2011				09/12/2023 14:01
	Standard Methods 2320 B (Dissolved) 1997, 2011				09/12/2023 14:01
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				09/06/2023 18:36
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				09/06/2023 12:05
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				09/06/2023 12:05
	Standard Methods 4500-P E (Dissolved) 1999, 2011				09/06/2023 13:29
	Standard Methods 4500-P E (Dissolved) 1999				09/06/2023 13:33
	SW-846 9036 (Dissolved)				09/09/2023 1:51
	SW-846 9251 (Dissolved)				09/09/2023 1:46
23081489-003C	MW-03	09/05/2023 14:14	09/05/2023 16:30		
	SW-846 3005A, 6010B, Metals by ICP (Total)			09/06/2023 16:26	09/11/2023 17:19
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/06/2023 16:26	09/21/2023 1:18
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/06/2023 16:26	09/21/2023 17:29
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/06/2023 16:26	09/22/2023 15:46
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/06/2023 16:26	09/26/2023 3:50
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/06/2023 16:26	09/27/2023 20:29
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/06/2023 16:26	09/29/2023 11:09
	SW-846 7470A (Total)			09/08/2023 16:56	09/09/2023 9:40
23081489-003D	MW-03	09/05/2023 14:14	09/05/2023 16:30		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			09/11/2023 8:45	09/11/2023 15:40
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			09/11/2023 8:45	10/02/2023 16:37
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			09/11/2023 8:45	10/03/2023 12:46
23081489-003E	MW-03	09/05/2023 14:14	09/05/2023 16:30		
	SW-846 9012A (Total)			09/06/2023 15:35	09/07/2023 11:54
23081489-003F	MW-03	09/05/2023 14:14	09/05/2023 16:30		
	SW-846 9060A				09/08/2023 1:20
23081489-003G	MW-03	09/05/2023 14:14	09/05/2023 16:30		
	SW-846 9060A				09/08/2023 1:50
23081489-005A	MW-05	09/06/2023 11:32	09/06/2023 16:05		



## Dates Report

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23081489

Client Project: KIN-23Q3

Report Date: 13-Oct-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
Test Name					
	Ferrous Iron by CHEMets Kit				09/06/2023 11:32
	Field Elevation Measurements				09/06/2023 11:32
	Standard Methods 2130 B Field				09/06/2023 11:32
	Standard Methods 18th Ed. 2580 B Field				09/06/2023 11:32
	Standard Methods 2320 B (Total) 1997, 2011				09/12/2023 9:47
	Standard Methods 2320 B 1997, 2011				09/12/2023 9:47
	Standard Methods 2510 B Field				09/06/2023 11:32
	Standard Methods 2540 C (Total) 1997, 2011				09/08/2023 9:01
	Standard Methods 2550 B Field				09/06/2023 11:32
	Standard Methods 4500-NO2 B (Total) 2000, 2011				09/07/2023 16:34
	Standard Methods 4500-NO3 F (Total) 2000, 2011				09/07/2023 16:11
	Standard Methods 4500-NO3 F (Total) 2000, 2011				09/07/2023 16:11
	Standard Methods 4500-O G Field				09/06/2023 11:32
	Standard Methods 4500-P E 1999				09/08/2023 11:28
	Standard Methods 4500-P E 1999, 2011				09/07/2023 13:52
	SW-846 9036 (Total)				09/12/2023 18:59
	SW-846 9040B Field				09/06/2023 11:32
	SW-846 9214 (Total)				09/08/2023 14:47
	SW-846 9251 (Total)				09/12/2023 18:59
23081489-005B	MW-05	09/06/2023 11:32	09/06/2023 16:05		
	Standard Methods 2320 B (Dissolved) 1997, 2011				09/12/2023 14:07
	Standard Methods 2320 B (Dissolved) 1997, 2011				09/12/2023 14:07
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				09/07/2023 16:29
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				09/07/2023 16:48
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				09/07/2023 16:48
	Standard Methods 4500-P E (Dissolved) 1999, 2011				09/07/2023 13:52
	Standard Methods 4500-P E (Dissolved) 1999				09/08/2023 11:28
	SW-846 9036 (Dissolved)				09/09/2023 1:54
	SW-846 9251 (Dissolved)				09/09/2023 1:54
23081489-005C	MW-05	09/06/2023 11:32	09/06/2023 16:05		
	SW-846 3005A, 6010B, Metals by ICP (Total)			09/07/2023 15:42	09/11/2023 16:35
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/07/2023 15:42	09/21/2023 2:09
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/07/2023 15:42	09/21/2023 18:42
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/07/2023 15:42	09/22/2023 17:00
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/07/2023 15:42	09/26/2023 0:09
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/07/2023 15:42	09/27/2023 20:48
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/07/2023 15:42	09/29/2023 11:26
	SW-846 7470A (Total)			09/08/2023 16:56	09/09/2023 9:54



## Dates Report

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23081489

Client Project: KIN-23Q3

Report Date: 13-Oct-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
Test Name					
23081489-005D	MW-05	09/06/2023 11:32	09/06/2023 16:05		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			09/11/2023 8:45	09/11/2023 15:41
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			09/11/2023 8:45	10/02/2023 16:42
23081489-005E	MW-05	09/06/2023 11:32	09/06/2023 16:05		
	SW-846 9012A (Total)			09/07/2023 14:10	09/08/2023 10:25
23081489-005F	MW-05	09/06/2023 11:32	09/06/2023 16:05		
	SW-846 9060A				09/11/2023 21:36
23081489-005G	MW-05	09/06/2023 11:32	09/06/2023 16:05		
	SW-846 9060A				09/11/2023 17:18
23081489-006A	MW-06	09/06/2023 13:44	09/06/2023 16:05		
	Ferrous Iron by CHEMets Kit				09/06/2023 13:44
	Field Elevation Measurements				09/06/2023 13:44
	Standard Methods 2130 B Field				09/06/2023 13:44
	Standard Methods 18th Ed. 2580 B Field				09/06/2023 13:44
	Standard Methods 2320 B (Total) 1997, 2011				09/12/2023 9:57
	Standard Methods 2320 B 1997, 2011				09/12/2023 9:57
	Standard Methods 2510 B Field				09/06/2023 13:44
	Standard Methods 2540 C (Total) 1997, 2011				09/08/2023 9:02
	Standard Methods 2550 B Field				09/06/2023 13:44
	Standard Methods 4500-NO2 B (Total) 2000, 2011				09/07/2023 16:35
	Standard Methods 4500-NO3 F (Total) 2000, 2011				09/07/2023 16:13
	Standard Methods 4500-NO3 F (Total) 2000, 2011				09/07/2023 16:13
	Standard Methods 4500-O G Field				09/06/2023 13:44
	Standard Methods 4500-P E 1999				09/08/2023 11:28
	Standard Methods 4500-P E 1999, 2011				09/07/2023 13:54
	SW-846 9036 (Total)				09/12/2023 19:06
	SW-846 9040B Field				09/06/2023 13:44
	SW-846 9214 (Total)				09/08/2023 14:49
	SW-846 9251 (Total)				09/12/2023 19:02
23081489-006B	MW-06	09/06/2023 13:44	09/06/2023 16:05		
	Standard Methods 2320 B (Dissolved) 1997, 2011				09/12/2023 14:19
	Standard Methods 2320 B (Dissolved) 1997, 2011				09/12/2023 14:19
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				09/07/2023 16:30
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				09/07/2023 16:50
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				09/07/2023 16:50
	Standard Methods 4500-P E (Dissolved) 1999, 2011				09/07/2023 13:55
	Standard Methods 4500-P E (Dissolved) 1999				09/08/2023 11:28



## Dates Report

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23081489

Client Project: KIN-23Q3

Report Date: 13-Oct-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
Test Name					
	SW-846 9036 (Dissolved)				09/09/2023 2:07
	SW-846 9251 (Dissolved)				09/09/2023 2:02
23081489-006C	MW-06	09/06/2023 13:44	09/06/2023 16:05		
	SW-846 3005A, 6010B, Metals by ICP (Total)			09/07/2023 15:42	09/11/2023 16:37
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/07/2023 15:42	09/21/2023 2:14
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/07/2023 15:42	09/21/2023 18:48
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/07/2023 15:42	09/22/2023 17:05
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/07/2023 15:42	09/26/2023 0:15
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/07/2023 15:42	09/27/2023 21:38
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/07/2023 15:42	09/29/2023 11:31
	SW-846 7470A (Total)			09/08/2023 16:56	09/09/2023 9:56
23081489-006D	MW-06	09/06/2023 13:44	09/06/2023 16:05		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			09/11/2023 8:45	09/11/2023 15:41
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			09/11/2023 8:45	10/02/2023 16:53
23081489-006E	MW-06	09/06/2023 13:44	09/06/2023 16:05		
	SW-846 9012A (Total)			09/07/2023 14:10	09/08/2023 11:21
23081489-006F	MW-06	09/06/2023 13:44	09/06/2023 16:05		
	SW-846 9060A				09/11/2023 22:12
23081489-006G	MW-06	09/06/2023 13:44	09/06/2023 16:05		
	SW-846 9060A				09/11/2023 18:24
23081489-007A	MW-07	09/07/2023 9:50	09/07/2023 15:30		
	Ferrous Iron by CHEMets Kit				09/07/2023 9:50
	Field Elevation Measurements				09/07/2023 9:50
	Standard Methods 2130 B Field				09/07/2023 9:50
	Standard Methods 18th Ed. 2580 B Field				09/07/2023 9:50
	Standard Methods 2320 B (Total) 1997, 2011				09/12/2023 10:02
	Standard Methods 2320 B 1997, 2011				09/12/2023 10:02
	Standard Methods 2510 B Field				09/07/2023 9:50
	Standard Methods 2540 C (Total) 1997, 2011				09/08/2023 12:08
	Standard Methods 2550 B Field				09/07/2023 9:50
	Standard Methods 4500-NO2 B (Total) 2000, 2011				09/08/2023 20:01
	Standard Methods 4500-NO3 F (Total) 2000, 2011				09/08/2023 13:50
	Standard Methods 4500-NO3 F (Total) 2000, 2011				09/08/2023 13:50
	Standard Methods 4500-O G Field				09/07/2023 9:50
	Standard Methods 4500-P E 1999				09/08/2023 11:28
	Standard Methods 4500-P E 1999, 2011				09/08/2023 11:09
	SW-846 9036 (Total)				09/12/2023 19:15



# Dates Report

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23081489

Client Project: KIN-23Q3

Report Date: 13-Oct-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
Test Name					
	SW-846 9040B Field				09/07/2023 9:50
	SW-846 9214 (Total)				09/08/2023 14:51
	SW-846 9251 (Total)				09/12/2023 19:10
23081489-007B	MW-07	09/07/2023 9:50	09/07/2023 15:30		
	Standard Methods 2320 B (Dissolved) 1997, 2011				09/12/2023 15:00
	Standard Methods 2320 B (Dissolved) 1997, 2011				09/12/2023 15:00
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				09/08/2023 19:54
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				09/08/2023 13:52
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				09/08/2023 13:52
	Standard Methods 4500-P E (Dissolved) 1999, 2011				09/08/2023 11:10
	Standard Methods 4500-P E (Dissolved) 1999				09/08/2023 11:28
	SW-846 9036 (Dissolved)				09/12/2023 14:38
	SW-846 9251 (Dissolved)				09/12/2023 14:33
23081489-007C	MW-07	09/07/2023 9:50	09/07/2023 15:30		
	SW-846 3005A, 6010B, Metals by ICP (Total)			09/08/2023 9:59	09/11/2023 13:51
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/08/2023 9:59	09/20/2023 21:17
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/08/2023 9:59	09/21/2023 12:58
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/08/2023 9:59	09/22/2023 10:30
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/08/2023 9:59	09/26/2023 4:09
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/08/2023 9:59	09/27/2023 17:32
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/08/2023 9:59	09/29/2023 11:25
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/08/2023 9:59	10/02/2023 10:39
	SW-846 7470A (Total)			09/08/2023 16:56	09/09/2023 9:58
23081489-007D	MW-07	09/07/2023 9:50	09/07/2023 15:30		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			09/11/2023 8:45	09/11/2023 15:44
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			09/11/2023 8:45	10/02/2023 16:48
23081489-007E	MW-07	09/07/2023 9:50	09/07/2023 15:30		
	SW-846 9012A (Total)			09/08/2023 17:16	09/11/2023 12:30
23081489-007F	MW-07	09/07/2023 9:50	09/07/2023 15:30		
	SW-846 9060A				09/11/2023 22:16
23081489-007G	MW-07	09/07/2023 9:50	09/07/2023 15:30		
	SW-846 9060A				09/11/2023 18:30
23081489-009A	MW-08	09/07/2023 10:19	09/07/2023 15:30		
	Ferrous Iron by CHEMets Kit				09/07/2023 10:19
	Field Elevation Measurements				09/07/2023 10:19
	Standard Methods 2130 B Field				09/07/2023 10:19
	Standard Methods 18th Ed. 2580 B Field				09/07/2023 10:19





## Dates Report

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23081489

Client Project: KIN-23Q3

Report Date: 13-Oct-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	Test Name				
	Standard Methods 2320 B (Total) 1997, 2011				09/12/2023 10:13
	Standard Methods 2320 B 1997, 2011				09/12/2023 10:13
	Standard Methods 2510 B Field				09/07/2023 10:19
	Standard Methods 2540 C (Total) 1997, 2011				09/08/2023 12:09
	Standard Methods 2550 B Field				09/07/2023 10:19
	Standard Methods 4500-NO2 B (Total) 2000, 2011				09/08/2023 20:01
	Standard Methods 4500-NO3 F (Total) 2000, 2011				09/08/2023 13:54
	Standard Methods 4500-NO3 F (Total) 2000, 2011				09/08/2023 13:54
	Standard Methods 4500-O G Field				09/07/2023 10:19
	Standard Methods 4500-P E 1999				09/08/2023 11:28
	Standard Methods 4500-P E 1999, 2011				09/08/2023 11:12
	SW-846 9036 (Total)				09/12/2023 19:23
	SW-846 9040B Field				09/07/2023 10:19
	SW-846 9214 (Total)				09/08/2023 14:53
	SW-846 9251 (Total)				09/12/2023 19:18
23081489-009B	MW-08	09/07/2023 10:19	09/07/2023 15:30		
	Standard Methods 2320 B (Dissolved) 1997, 2011				09/12/2023 15:05
	Standard Methods 2320 B (Dissolved) 1997, 2011				09/12/2023 15:05
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				09/08/2023 19:55
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				09/08/2023 14:03
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				09/08/2023 14:03
	Standard Methods 4500-P E (Dissolved) 1999, 2011				09/08/2023 11:13
	Standard Methods 4500-P E (Dissolved) 1999				09/08/2023 11:28
	SW-846 9036 (Dissolved)				09/12/2023 14:45
	SW-846 9251 (Dissolved)				09/12/2023 14:41
23081489-009C	MW-08	09/07/2023 10:19	09/07/2023 15:30		
	SW-846 3005A, 6010B, Metals by ICP (Total)			09/08/2023 9:59	09/11/2023 13:52
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/08/2023 9:59	09/20/2023 21:22
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/08/2023 9:59	09/21/2023 13:03
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/08/2023 9:59	09/21/2023 19:39
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/08/2023 9:59	09/22/2023 11:16
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/08/2023 9:59	09/26/2023 4:15
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/08/2023 9:59	09/27/2023 17:38
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/08/2023 9:59	09/29/2023 11:31
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/08/2023 9:59	10/02/2023 10:45
	SW-846 7470A (Total)			09/08/2023 16:56	09/09/2023 10:00
23081489-009D	MW-08	09/07/2023 10:19	09/07/2023 15:30		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			09/11/2023 8:45	09/11/2023 15:45



## Dates Report

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23081489

Client Project: KIN-23Q3

Report Date: 13-Oct-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			09/11/2023 8:45	10/02/2023 17:33
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			09/11/2023 8:45	10/03/2023 11:04
23081489-009E	MW-08	09/07/2023 10:19	09/07/2023 15:30		
	SW-846 9012A (Total)			09/08/2023 17:16	09/11/2023 12:34
23081489-009F	MW-08	09/07/2023 10:19	09/07/2023 15:30		
	SW-846 9060A				09/11/2023 22:54
23081489-009G	MW-08	09/07/2023 10:19	09/07/2023 15:30		
	SW-846 9060A				09/11/2023 18:36
23081489-013A	MW-11	09/05/2023 13:09	09/05/2023 16:30		
	Ferrous Iron by CHEMets Kit				09/05/2023 13:09
	Field Elevation Measurements				09/05/2023 13:09
	Standard Methods 2130 B Field				09/05/2023 13:09
	Standard Methods 18th Ed. 2580 B Field				09/05/2023 13:09
	Standard Methods 2320 B (Total) 1997, 2011				09/12/2023 10:21
	Standard Methods 2320 B 1997, 2011				09/12/2023 10:21
	Standard Methods 2510 B Field				09/05/2023 13:09
	Standard Methods 2540 C (Total) 1997, 2011				09/07/2023 10:14
	Standard Methods 2550 B Field				09/05/2023 13:09
	Standard Methods 4500-NO2 B (Total) 2000, 2011				09/06/2023 18:44
	Standard Methods 4500-NO3 F (Total) 2000, 2011				09/06/2023 12:23
	Standard Methods 4500-NO3 F (Total) 2000, 2011				09/06/2023 12:23
	Standard Methods 4500-O G Field				09/05/2023 13:09
	Standard Methods 4500-P E 1999				09/06/2023 13:33
	Standard Methods 4500-P E 1999, 2011				09/06/2023 13:30
	SW-846 9036 (Total)				09/13/2023 13:54
	SW-846 9040B Field				09/05/2023 13:09
	SW-846 9214 (Total)				09/11/2023 9:19
	SW-846 9251 (Total)				09/12/2023 19:50
23081489-013B	MW-11	09/05/2023 13:09	09/05/2023 16:30		
	Standard Methods 2320 B (Dissolved) 1997, 2011				09/12/2023 14:27
	Standard Methods 2320 B (Dissolved) 1997, 2011				09/12/2023 14:27
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				09/06/2023 18:36
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				09/06/2023 12:25
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				09/06/2023 12:25
	Standard Methods 4500-P E (Dissolved) 1999, 2011				09/06/2023 13:30
	Standard Methods 4500-P E (Dissolved) 1999				09/06/2023 13:33
	SW-846 9036 (Dissolved)				09/09/2023 2:14



## Dates Report

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23081489

Client Project: KIN-23Q3

Report Date: 13-Oct-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	SW-846 9251 (Dissolved)				09/09/2023 2:10
23081489-013C	MW-11	09/05/2023 13:09	09/05/2023 16:30		
	SW-846 3005A, 6010B, Metals by ICP (Total)			09/06/2023 16:26	09/11/2023 17:21
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/06/2023 16:26	09/21/2023 1:23
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/06/2023 16:26	09/21/2023 18:31
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/06/2023 16:26	09/22/2023 15:51
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/06/2023 16:26	09/26/2023 3:56
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/06/2023 16:26	09/27/2023 20:35
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/06/2023 16:26	09/29/2023 11:15
	SW-846 7470A (Total)			09/11/2023 11:50	09/12/2023 9:13
23081489-013D	MW-11	09/05/2023 13:09	09/05/2023 16:30		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			09/11/2023 8:45	09/11/2023 15:46
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			09/11/2023 8:45	10/02/2023 17:39
23081489-013E	MW-11	09/05/2023 13:09	09/05/2023 16:30		
	SW-846 9012A (Total)			09/06/2023 15:35	09/07/2023 12:21
23081489-013F	MW-11	09/05/2023 13:09	09/05/2023 16:30		
	SW-846 9060A				09/08/2023 1:26
23081489-013G	MW-11	09/05/2023 13:09	09/05/2023 16:30		
	SW-846 9060A				09/08/2023 1:56
23081489-014A	MW-12	09/07/2023 9:19	09/07/2023 15:30		
	Ferrous Iron by CHEMets Kit				09/07/2023 9:19
	Field Elevation Measurements				09/07/2023 9:19
	Standard Methods 2130 B Field				09/07/2023 9:19
	Standard Methods 18th Ed. 2580 B Field				09/07/2023 9:19
	Standard Methods 2320 B (Total) 1997, 2011				09/12/2023 10:29
	Standard Methods 2320 B 1997, 2011				09/12/2023 10:29
	Standard Methods 2510 B Field				09/07/2023 9:19
	Standard Methods 2540 C (Total) 1997, 2011				09/08/2023 12:10
	Standard Methods 2550 B Field				09/07/2023 9:19
	Standard Methods 4500-NO2 B (Total) 2000, 2011				09/08/2023 20:02
	Standard Methods 4500-NO3 F (Total) 2000, 2011				09/08/2023 14:07
	Standard Methods 4500-NO3 F (Total) 2000, 2011				09/08/2023 14:07
	Standard Methods 4500-O G Field				09/07/2023 9:19
	Standard Methods 4500-P E 1999				09/08/2023 11:28
	Standard Methods 4500-P E 1999, 2011				09/08/2023 11:14
	SW-846 9036 (Total)				09/12/2023 20:16
	SW-846 9040B Field				09/07/2023 9:19



## Dates Report

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23081489

Client Project: KIN-23Q3

Report Date: 13-Oct-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	Test Name				
	SW-846 9214 (Total)				09/08/2023 14:57
	SW-846 9251 (Total)				09/12/2023 20:11
23081489-014B	MW-12	09/07/2023 9:19	09/07/2023 15:30		
	Standard Methods 2320 B (Dissolved) 1997, 2011				09/12/2023 15:11
	Standard Methods 2320 B (Dissolved) 1997, 2011				09/12/2023 15:11
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				09/08/2023 19:56
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				09/08/2023 14:09
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				09/08/2023 14:09
	Standard Methods 4500-P E (Dissolved) 1999, 2011				09/08/2023 11:15
	Standard Methods 4500-P E (Dissolved) 1999				09/08/2023 11:28
	SW-846 9036 (Dissolved)				09/12/2023 14:54
	SW-846 9251 (Dissolved)				09/12/2023 14:49
23081489-014C	MW-12	09/07/2023 9:19	09/07/2023 15:30		
	SW-846 3005A, 6010B, Metals by ICP (Total)			09/08/2023 9:59	09/11/2023 15:15
	SW-846 3005A, 6010B, Metals by ICP (Total)			09/08/2023 9:59	09/12/2023 11:56
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/08/2023 9:59	09/20/2023 21:32
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/08/2023 9:59	09/21/2023 13:14
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/08/2023 9:59	09/22/2023 11:27
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/08/2023 9:59	09/26/2023 5:12
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/08/2023 9:59	09/27/2023 18:42
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/08/2023 9:59	09/29/2023 12:28
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/08/2023 9:59	10/02/2023 10:56
	SW-846 7470A (Total)			09/11/2023 11:50	09/12/2023 9:15
23081489-014D	MW-12	09/07/2023 9:19	09/07/2023 15:30		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			09/11/2023 8:45	09/11/2023 15:52
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			09/11/2023 8:45	10/02/2023 17:44
23081489-014E	MW-12	09/07/2023 9:19	09/07/2023 15:30		
	SW-846 9012A (Total)			09/08/2023 17:16	09/11/2023 10:50
23081489-014F	MW-12	09/07/2023 9:19	09/07/2023 15:30		
	SW-846 9060A				09/11/2023 23:00
23081489-014G	MW-12	09/07/2023 9:19	09/07/2023 15:30		
	SW-846 9060A				09/11/2023 18:42
23081489-017A	MW-20	09/06/2023 9:45	09/06/2023 16:05		
	Ferrous Iron by CHEMets Kit				09/06/2023 9:45
	Field Elevation Measurements				09/06/2023 9:45
	Standard Methods 2130 B Field				09/06/2023 9:45
	Standard Methods 18th Ed. 2580 B Field				09/06/2023 9:45



## Dates Report

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23081489

Client Project: KIN-23Q3

Report Date: 13-Oct-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	Test Name				
	Standard Methods 2320 B (Total) 1997, 2011				09/12/2023 10:33
	Standard Methods 2320 B 1997, 2011				09/12/2023 10:33
	Standard Methods 2510 B Field				09/06/2023 9:45
	Standard Methods 2540 C (Total) 1997, 2011				09/08/2023 9:33
	Standard Methods 2550 B Field				09/06/2023 9:45
	Standard Methods 4500-NO2 B (Total) 2000, 2011				09/07/2023 16:36
	Standard Methods 4500-NO3 F (Total) 2000, 2011				09/07/2023 16:15
	Standard Methods 4500-NO3 F (Total) 2000, 2011				09/07/2023 16:15
	Standard Methods 4500-O G Field				09/06/2023 9:45
	Standard Methods 4500-P E 1999				09/08/2023 11:28
	Standard Methods 4500-P E 1999, 2011				09/07/2023 14:06
	SW-846 9036 (Total)				09/12/2023 20:37
	SW-846 9040B Field				09/06/2023 9:45
	SW-846 9214 (Total)				09/08/2023 15:08
	SW-846 9251 (Total)				09/12/2023 20:19
23081489-017B	MW-20	09/06/2023 9:45	09/06/2023 16:05		
	Standard Methods 2320 B (Dissolved) 1997, 2011				09/12/2023 15:16
	Standard Methods 2320 B (Dissolved) 1997, 2011				09/12/2023 15:16
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				09/07/2023 16:31
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				09/07/2023 16:53
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				09/07/2023 16:53
	Standard Methods 4500-P E (Dissolved) 1999, 2011				09/07/2023 14:07
	Standard Methods 4500-P E (Dissolved) 1999				09/08/2023 11:28
	SW-846 9036 (Dissolved)				09/12/2023 15:15
	SW-846 9251 (Dissolved)				09/12/2023 14:57
23081489-017C	MW-20	09/06/2023 9:45	09/06/2023 16:05		
	SW-846 3005A, 6010B, Metals by ICP (Total)			09/07/2023 15:42	09/11/2023 16:39
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/07/2023 15:42	09/21/2023 2:19
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/07/2023 15:42	09/21/2023 18:53
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/07/2023 15:42	09/22/2023 17:11
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/07/2023 15:42	09/26/2023 0:22
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/07/2023 15:42	09/27/2023 21:45
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/07/2023 15:42	09/29/2023 11:37
	SW-846 7470A (Total)			09/11/2023 11:50	09/12/2023 9:22
23081489-017D	MW-20	09/06/2023 9:45	09/06/2023 16:05		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			09/11/2023 8:45	09/11/2023 15:53
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			09/11/2023 8:45	10/02/2023 17:50



## Dates Report

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23081489

Client Project: KIN-23Q3

Report Date: 13-Oct-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	Test Name				
23081489-017E	MW-20	09/06/2023 9:45	09/06/2023 16:05		
	SW-846 9060A				09/11/2023 23:06
23081489-017F	MW-20	09/06/2023 9:45	09/06/2023 16:05		
	SW-846 9060A				09/11/2023 18:48
23081489-018A	MW-20S	09/06/2023 10:11	09/06/2023 16:05		
	Ferrous Iron by CHEMets Kit				09/06/2023 10:11
	Field Elevation Measurements				09/06/2023 10:11
	Standard Methods 2130 B Field				09/06/2023 10:11
	Standard Methods 18th Ed. 2580 B Field				09/06/2023 10:11
	Standard Methods 2320 B (Total) 1997, 2011				09/12/2023 10:40
	Standard Methods 2320 B 1997, 2011				09/12/2023 10:40
	Standard Methods 2510 B Field				09/06/2023 10:11
	Standard Methods 2540 C (Total) 1997, 2011				09/08/2023 9:33
	Standard Methods 2550 B Field				09/06/2023 10:11
	Standard Methods 4500-NO2 B (Total) 2000, 2011				09/07/2023 16:36
	Standard Methods 4500-NO3 F (Total) 2000, 2011				09/07/2023 16:24
	Standard Methods 4500-NO3 F (Total) 2000, 2011				09/07/2023 16:24
	Standard Methods 4500-O G Field				09/06/2023 10:11
	Standard Methods 4500-P E 1999				09/08/2023 11:28
	Standard Methods 4500-P E 1999, 2011				09/07/2023 14:10
	SW-846 9036 (Total)				09/12/2023 20:46
	SW-846 9040B Field				09/06/2023 10:11
	SW-846 9214 (Total)				09/08/2023 15:10
	SW-846 9251 (Total)				09/12/2023 20:40
23081489-018B	MW-20S	09/06/2023 10:11	09/06/2023 16:05		
	Standard Methods 2320 B (Dissolved) 1997, 2011				09/12/2023 14:30
	Standard Methods 2320 B (Dissolved) 1997, 2011				09/12/2023 14:30
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				09/07/2023 16:31
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				09/07/2023 16:55
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				09/07/2023 16:55
	Standard Methods 4500-P E (Dissolved) 1999, 2011				09/07/2023 14:10
	Standard Methods 4500-P E (Dissolved) 1999				09/08/2023 11:28
	SW-846 9036 (Dissolved)				09/09/2023 2:37
	SW-846 9251 (Dissolved)				09/09/2023 2:18
23081489-018C	MW-20S	09/06/2023 10:11	09/06/2023 16:05		
	SW-846 3005A, 6010B, Metals by ICP (Total)			09/07/2023 15:42	09/11/2023 16:40
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/07/2023 15:42	09/21/2023 2:25



## Dates Report

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23081489

Client Project: KIN-23Q3

Report Date: 13-Oct-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	<b>Test Name</b>				
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/07/2023 15:42	09/21/2023 19:50
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/07/2023 15:42	09/22/2023 17:16
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/07/2023 15:42	09/26/2023 0:28
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/07/2023 15:42	09/27/2023 21:51
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/07/2023 15:42	09/29/2023 11:42
	SW-846 7470A (Total)			09/11/2023 11:50	09/12/2023 9:24
23081489-018D	MW-20S	09/06/2023 10:11	09/06/2023 16:05		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			09/11/2023 8:45	09/11/2023 15:54
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			09/11/2023 8:45	10/02/2023 17:55
23081489-018E	MW-20S	09/06/2023 10:11	09/06/2023 16:05		
	SW-846 9060A				09/11/2023 23:42
23081489-018F	MW-20S	09/06/2023 10:11	09/06/2023 16:05		
	SW-846 9060A				09/11/2023 19:54
23081489-019A	MW-23	09/05/2023 13:40	09/05/2023 16:30		
	Ferrous Iron by CHEMets Kit				09/05/2023 13:40
	Field Elevation Measurements				09/05/2023 13:40
	Standard Methods 2130 B Field				09/05/2023 13:40
	Standard Methods 18th Ed. 2580 B Field				09/05/2023 13:40
	Standard Methods 2320 B (Total) 1997, 2011				09/12/2023 10:46
	Standard Methods 2320 B 1997, 2011				09/12/2023 10:46
	Standard Methods 2510 B Field				09/05/2023 13:40
	Standard Methods 2540 C (Total) 1997, 2011				09/07/2023 10:14
	Standard Methods 2550 B Field				09/05/2023 13:40
	Standard Methods 4500-NO2 B (Total) 2000, 2011				09/06/2023 18:44
	Standard Methods 4500-NO3 F (Total) 2000, 2011				09/06/2023 12:28
	Standard Methods 4500-NO3 F (Total) 2000, 2011				09/06/2023 12:28
	Standard Methods 4500-O G Field				09/05/2023 13:40
	Standard Methods 4500-P E 1999				09/06/2023 13:33
	Standard Methods 4500-P E 1999, 2011				09/06/2023 13:32
	SW-846 9036 (Total)				09/12/2023 20:48
	SW-846 9040B Field				09/05/2023 13:40
	SW-846 9214 (Total)				09/11/2023 9:21
	SW-846 9251 (Total)				09/12/2023 20:48
23081489-019B	MW-23	09/05/2023 13:40	09/05/2023 16:30		
	Standard Methods 2320 B (Dissolved) 1997, 2011				09/12/2023 14:38
	Standard Methods 2320 B (Dissolved) 1997, 2011				09/12/2023 14:38
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				09/06/2023 18:37



## Dates Report

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23081489

Client Project: KIN-23Q3

Report Date: 13-Oct-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	<b>Test Name</b>				
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				09/06/2023 12:30
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				09/06/2023 12:30
	Standard Methods 4500-P E (Dissolved) 1999, 2011				09/06/2023 13:32
	Standard Methods 4500-P E (Dissolved) 1999				09/06/2023 13:33
	SW-846 9036 (Dissolved)				09/09/2023 2:41
	SW-846 9251 (Dissolved)				09/09/2023 2:42
23081489-019C	MW-23	09/05/2023 13:40	09/05/2023 16:30		
	SW-846 3005A, 6010B, Metals by ICP (Total)			09/06/2023 16:26	09/11/2023 17:22
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/06/2023 16:26	09/21/2023 1:28
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/06/2023 16:26	09/21/2023 18:37
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/06/2023 16:26	09/22/2023 15:57
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/06/2023 16:26	09/26/2023 4:03
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/06/2023 16:26	09/27/2023 20:42
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/06/2023 16:26	09/29/2023 11:20
	SW-846 7470A (Total)			09/11/2023 11:50	09/12/2023 9:26
23081489-019D	MW-23	09/05/2023 13:40	09/05/2023 16:30		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			09/11/2023 8:45	09/11/2023 15:55
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			09/11/2023 8:45	10/02/2023 18:01
23081489-019E	MW-23	09/05/2023 13:40	09/05/2023 16:30		
	SW-846 9060A				09/08/2023 1:33
23081489-019F	MW-23	09/05/2023 13:40	09/05/2023 16:30		
	SW-846 9060A				09/08/2023 2:03
23081489-021A	MW-28	09/06/2023 14:08	09/06/2023 16:05		
	Ferrous Iron by CHEMets Kit				09/06/2023 14:08
	Field Elevation Measurements				09/06/2023 14:08
	Standard Methods 2130 B Field				09/06/2023 14:08
	Standard Methods 18th Ed. 2580 B Field				09/06/2023 14:08
	Standard Methods 2320 B (Total) 1997, 2011				09/12/2023 11:00
	Standard Methods 2320 B 1997, 2011				09/12/2023 11:00
	Standard Methods 2510 B Field				09/06/2023 14:08
	Standard Methods 2540 C (Total) 1997, 2011				09/08/2023 9:33
	Standard Methods 2550 B Field				09/06/2023 14:08
	Standard Methods 4500-NO2 B (Total) 2000, 2011				09/07/2023 16:37
	Standard Methods 4500-NO3 F (Total) 2000, 2011				09/07/2023 16:26
	Standard Methods 4500-NO3 F (Total) 2000, 2011				09/07/2023 16:26
	Standard Methods 4500-O G Field				09/06/2023 14:08
	Standard Methods 4500-P E 1999				09/08/2023 11:28





## Dates Report

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23081489

Client Project: KIN-23Q3

Report Date: 13-Oct-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	Test Name				
	Standard Methods 4500-P E 1999, 2011				09/07/2023 14:11
	SW-846 9036 (Total)				09/12/2023 21:57
	SW-846 9040B Field				09/06/2023 14:08
	SW-846 9214 (Total)				09/08/2023 15:11
	SW-846 9251 (Total)				09/12/2023 21:52
23081489-021B	MW-28	09/06/2023 14:08	09/06/2023 16:05		
	Standard Methods 2320 B (Dissolved) 1997, 2011				09/12/2023 14:42
	Standard Methods 2320 B (Dissolved) 1997, 2011				09/12/2023 14:42
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				09/07/2023 16:31
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				09/07/2023 17:04
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				09/07/2023 17:04
	Standard Methods 4500-P E (Dissolved) 1999, 2011				09/07/2023 14:12
	Standard Methods 4500-P E (Dissolved) 1999				09/08/2023 11:28
	SW-846 9036 (Dissolved)				09/09/2023 2:50
	SW-846 9251 (Dissolved)				09/09/2023 2:45
23081489-021C	MW-28	09/06/2023 14:08	09/06/2023 16:05		
	SW-846 3005A, 6010B, Metals by ICP (Total)			09/07/2023 15:42	09/11/2023 16:42
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/07/2023 15:42	09/21/2023 2:30
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/07/2023 15:42	09/21/2023 19:56
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/07/2023 15:42	09/22/2023 17:22
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/07/2023 15:42	09/26/2023 0:34
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/07/2023 15:42	09/27/2023 21:57
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/07/2023 15:42	09/29/2023 12:52
	SW-846 7470A (Total)			09/11/2023 11:50	09/12/2023 9:28
23081489-021D	MW-28	09/06/2023 14:08	09/06/2023 16:05		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			09/11/2023 8:45	09/11/2023 15:56
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			09/11/2023 8:45	10/02/2023 18:06
23081489-021E	MW-28	09/06/2023 14:08	09/06/2023 16:05		
	SW-846 9060A				09/11/2023 23:48
23081489-021F	MW-28	09/06/2023 14:08	09/06/2023 16:05		
	SW-846 9060A				09/11/2023 20:00
23081489-022A	MW-30	09/06/2023 13:09	09/06/2023 16:05		
	Ferrous Iron by CHEMets Kit				09/06/2023 13:09
	Field Elevation Measurements				09/06/2023 13:09
	Standard Methods 2130 B Field				09/06/2023 13:09
	Standard Methods 18th Ed. 2580 B Field				09/06/2023 13:09
	Standard Methods 2320 B (Total) 1997, 2011				09/12/2023 11:07



## Dates Report

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23081489

Client Project: KIN-23Q3

Report Date: 13-Oct-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	<b>Test Name</b>				
	Standard Methods 2320 B 1997, 2011				09/12/2023 11:07
	Standard Methods 2510 B Field				09/06/2023 13:09
	Standard Methods 2540 C (Total) 1997, 2011				09/08/2023 9:34
	Standard Methods 2550 B Field				09/06/2023 13:09
	Standard Methods 4500-NO2 B (Total) 2000, 2011				09/07/2023 16:37
	Standard Methods 4500-NO3 F (Total) 2000, 2011				09/07/2023 16:28
	Standard Methods 4500-NO3 F (Total) 2000, 2011				09/07/2023 16:28
	Standard Methods 4500-O G Field				09/06/2023 13:09
	Standard Methods 4500-P E 1999				09/08/2023 11:28
	Standard Methods 4500-P E 1999, 2011				09/08/2023 10:21
	SW-846 9036 (Total)				09/12/2023 20:56
	SW-846 9040B Field				09/06/2023 13:09
	SW-846 9214 (Total)				09/08/2023 15:13
	SW-846 9251 (Total)				09/12/2023 20:56
23081489-022B	MW-30	09/06/2023 13:09	09/06/2023 16:05		
	Standard Methods 2320 B (Dissolved) 1997, 2011				09/12/2023 15:19
	Standard Methods 2320 B (Dissolved) 1997, 2011				09/12/2023 15:19
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				09/07/2023 16:32
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				09/07/2023 17:06
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				09/07/2023 17:06
	Standard Methods 4500-P E (Dissolved) 1999, 2011				09/08/2023 10:22
	Standard Methods 4500-P E (Dissolved) 1999				09/08/2023 11:28
	SW-846 9036 (Dissolved)				09/12/2023 15:21
	SW-846 9251 (Dissolved)				09/12/2023 15:21
23081489-022C	MW-30	09/06/2023 13:09	09/06/2023 16:05		
	SW-846 3005A, 6010B, Metals by ICP (Total)			09/07/2023 15:42	09/11/2023 16:54
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/07/2023 15:42	09/21/2023 3:11
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/07/2023 15:42	09/21/2023 20:18
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/07/2023 15:42	09/22/2023 19:16
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/07/2023 15:42	09/26/2023 0:41
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/07/2023 15:42	09/27/2023 22:23
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/07/2023 15:42	09/29/2023 13:20
	SW-846 7470A (Total)			09/11/2023 11:50	09/12/2023 9:35
23081489-022D	MW-30	09/06/2023 13:09	09/06/2023 16:05		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			09/11/2023 8:45	09/11/2023 15:56
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			09/11/2023 8:45	10/02/2023 19:09
23081489-022E	MW-30	09/06/2023 13:09	09/06/2023 16:05		



## Dates Report

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23081489

Client Project: KIN-23Q3

Report Date: 13-Oct-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	SW-846 9060A				09/12/2023 0:24
23081489-022F	MW-30	09/06/2023 13:09	09/06/2023 16:05		
	SW-846 9060A				09/11/2023 20:06
23081489-023A	MW-31	09/06/2023 11:56	09/06/2023 16:05		
	Ferrous Iron by CHEMets Kit				09/06/2023 11:56
	Field Elevation Measurements				09/06/2023 11:56
	Standard Methods 2130 B Field				09/06/2023 11:56
	Standard Methods 18th Ed. 2580 B Field				09/06/2023 11:56
	Standard Methods 2320 B (Total) 1997, 2011				09/12/2023 11:14
	Standard Methods 2320 B 1997, 2011				09/12/2023 11:14
	Standard Methods 2510 B Field				09/06/2023 11:56
	Standard Methods 2540 C (Total) 1997, 2011				09/08/2023 9:34
	Standard Methods 2550 B Field				09/06/2023 11:56
	Standard Methods 4500-NO2 B (Total) 2000, 2011				09/07/2023 16:38
	Standard Methods 4500-NO3 F (Total) 2000, 2011				09/07/2023 16:31
	Standard Methods 4500-NO3 F (Total) 2000, 2011				09/07/2023 16:31
	Standard Methods 4500-O G Field				09/06/2023 11:56
	Standard Methods 4500-P E 1999				09/08/2023 11:28
	Standard Methods 4500-P E 1999, 2011				09/08/2023 10:23
	SW-846 9036 (Total)				09/12/2023 21:04
	SW-846 9040B Field				09/06/2023 11:56
	SW-846 9214 (Total)				09/08/2023 15:15
	SW-846 9251 (Total)				09/12/2023 21:04
23081489-023B	MW-31	09/06/2023 11:56	09/06/2023 16:05		
	Standard Methods 2320 B (Dissolved) 1997, 2011				09/12/2023 15:27
	Standard Methods 2320 B (Dissolved) 1997, 2011				09/12/2023 15:27
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				09/07/2023 16:33
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				09/07/2023 17:08
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				09/07/2023 17:08
	Standard Methods 4500-P E (Dissolved) 1999, 2011				09/08/2023 10:24
	Standard Methods 4500-P E (Dissolved) 1999				09/08/2023 11:28
	SW-846 9036 (Dissolved)				09/12/2023 15:42
	SW-846 9251 (Dissolved)				09/12/2023 15:42
23081489-023C	MW-31	09/06/2023 11:56	09/06/2023 16:05		
	SW-846 3005A, 6010B, Metals by ICP (Total)			09/07/2023 15:42	09/11/2023 16:43
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/07/2023 15:42	09/21/2023 2:35
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/07/2023 15:42	09/21/2023 20:01



## Dates Report

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23081489

Client Project: KIN-23Q3

Report Date: 13-Oct-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	<b>Test Name</b>				
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/07/2023 15:42	09/22/2023 18:53
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/07/2023 15:42	09/26/2023 2:15
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/07/2023 15:42	09/27/2023 22:04
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/07/2023 15:42	09/29/2023 12:58
	SW-846 7470A (Total)			09/11/2023 11:50	09/12/2023 9:37
23081489-023D	MW-31	09/06/2023 11:56	09/06/2023 16:05		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			09/11/2023 8:45	09/11/2023 16:04
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			09/11/2023 8:45	10/02/2023 18:12
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			09/11/2023 8:45	10/04/2023 13:52
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			09/11/2023 8:45	10/05/2023 8:43
23081489-023E	MW-31	09/06/2023 11:56	09/06/2023 16:05		
	SW-846 9060A				09/12/2023 0:31
23081489-023F	MW-31	09/06/2023 11:56	09/06/2023 16:05		
	SW-846 9060A				09/11/2023 20:13
23081489-024A	MW-31S	09/06/2023 12:29	09/06/2023 16:05		
	Ferrous Iron by CHEMets Kit				09/06/2023 12:29
	Field Elevation Measurements				09/06/2023 12:29
	Standard Methods 2130 B Field				09/06/2023 12:29
	Standard Methods 18th Ed. 2580 B Field				09/06/2023 12:29
	Standard Methods 2510 B Field				09/06/2023 12:29
	Standard Methods 2550 B Field				09/06/2023 12:29
	Standard Methods 4500-O G Field				09/06/2023 12:29
	SW-846 9040B Field				09/06/2023 12:29
23081489-024B	MW-31S	09/06/2023 12:29	09/06/2023 16:05		
	Standard Methods 2320 B (Dissolved) 1997, 2011				09/12/2023 15:36
	Standard Methods 2320 B (Dissolved) 1997, 2011				09/12/2023 15:36
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				09/07/2023 16:33
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				09/07/2023 17:24
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				09/07/2023 17:24
	Standard Methods 4500-P E (Dissolved) 1999, 2011				09/08/2023 10:25
	Standard Methods 4500-P E (Dissolved) 1999				09/08/2023 11:28
	SW-846 9036 (Dissolved)				09/12/2023 15:50
	SW-846 9251 (Dissolved)				09/12/2023 15:50
23081489-024C	MW-31S	09/06/2023 12:29	09/06/2023 16:05		
	SW-846 3005A, 6010B, Metals by ICP (Total)			09/07/2023 15:42	09/11/2023 16:59
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/07/2023 15:42	09/21/2023 2:40
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/07/2023 15:42	09/21/2023 20:07



## Dates Report

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23081489

Client Project: KIN-23Q3

Report Date: 13-Oct-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	<b>Test Name</b>				
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/07/2023 15:42	09/22/2023 18:59
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/07/2023 15:42	09/26/2023 2:22
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/07/2023 15:42	09/27/2023 22:10
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/07/2023 15:42	09/28/2023 9:02
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/07/2023 15:42	09/29/2023 13:03
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/07/2023 15:42	09/29/2023 13:09
	SW-846 7470A (Total)			09/11/2023 11:50	09/12/2023 9:40
23081489-024D	MW-31S	09/06/2023 12:29	09/06/2023 16:05		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			09/11/2023 9:47	09/12/2023 10:21
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			09/11/2023 9:47	10/02/2023 19:31
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			09/11/2023 9:47	10/05/2023 8:35
23081489-024E	MW-31S	09/06/2023 12:29	09/06/2023 16:05		
	SW-846 9060A				09/12/2023 0:54
23081489-024F	MW-31S	09/06/2023 12:29	09/06/2023 16:05		
	SW-846 9060A				09/15/2023 11:23
23081489-025A	MW-32	09/06/2023 11:01	09/06/2023 16:05		
	Ferrous Iron by CHEMets Kit				09/06/2023 11:01
	Field Elevation Measurements				09/06/2023 11:01
	Standard Methods 2130 B Field				09/06/2023 11:01
	Standard Methods 18th Ed. 2580 B Field				09/06/2023 11:01
	Standard Methods 2320 B (Total) 1997, 2011				09/12/2023 11:22
	Standard Methods 2320 B 1997, 2011				09/12/2023 11:22
	Standard Methods 2510 B Field				09/06/2023 11:01
	Standard Methods 2540 C (Total) 1997, 2011				09/08/2023 9:34
	Standard Methods 2550 B Field				09/06/2023 11:01
	Standard Methods 4500-NO2 B (Total) 2000, 2011				09/07/2023 16:39
	Standard Methods 4500-NO3 F (Total) 2000, 2011				09/07/2023 16:46
	Standard Methods 4500-NO3 F (Total) 2000, 2011				09/07/2023 16:46
	Standard Methods 4500-O G Field				09/06/2023 11:01
	Standard Methods 4500-P E 1999				09/08/2023 11:28
	Standard Methods 4500-P E 1999, 2011				09/07/2023 14:18
	SW-846 9036 (Total)				09/12/2023 21:31
	SW-846 9040B Field				09/06/2023 11:01
	SW-846 9214 (Total)				09/08/2023 15:16
	SW-846 9251 (Total)				09/12/2023 21:12
23081489-025B	MW-32	09/06/2023 11:01	09/06/2023 16:05		
	Standard Methods 2320 B (Dissolved) 1997, 2011				09/12/2023 15:43



## Dates Report

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23081489

Client Project: KIN-23Q3

Report Date: 13-Oct-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	<b>Test Name</b>				
	Standard Methods 2320 B (Dissolved) 1997, 2011				09/12/2023 15:43
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				09/07/2023 16:34
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				09/07/2023 17:26
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				09/07/2023 17:26
	Standard Methods 4500-P E (Dissolved) 1999, 2011				09/07/2023 14:19
	Standard Methods 4500-P E (Dissolved) 1999				09/08/2023 11:28
	SW-846 9036 (Dissolved)				09/09/2023 3:06
	SW-846 9251 (Dissolved)				09/09/2023 2:55
23081489-025C	MW-32	09/06/2023 11:01	09/06/2023 16:05		
	SW-846 3005A, 6010B, Metals by ICP (Total)			09/07/2023 15:42	09/11/2023 17:01
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/07/2023 15:42	09/21/2023 2:45
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/07/2023 15:42	09/21/2023 20:13
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/07/2023 15:42	09/22/2023 19:04
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/07/2023 15:42	09/26/2023 2:28
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/07/2023 15:42	09/27/2023 22:16
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/07/2023 15:42	09/29/2023 13:14
	SW-846 7470A (Total)			09/11/2023 11:50	09/12/2023 9:42
23081489-025D	MW-32	09/06/2023 11:01	09/06/2023 16:05		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			09/11/2023 8:45	09/11/2023 15:57
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			09/11/2023 8:45	10/02/2023 19:15
23081489-025E	MW-32	09/06/2023 11:01	09/06/2023 16:05		
	SW-846 9060A				09/12/2023 1:11
23081489-025F	MW-32	09/06/2023 11:01	09/06/2023 16:05		
	SW-846 9060A				09/11/2023 20:24
23081489-032A	XSG-01	09/05/2023 15:05	09/05/2023 16:30		
	Field Elevation Measurements				09/05/2023 15:05
23081489-033A	YSG-02	09/05/2023 15:22	09/05/2023 16:30		
	Field Elevation Measurements				09/05/2023 15:22
23081489-034A	Field Blank	09/07/2023 13:58	09/07/2023 15:30		
	Standard Methods 2320 B (Total) 1997, 2011				09/12/2023 11:28
	Standard Methods 2320 B 1997, 2011				09/12/2023 11:28
	Standard Methods 2540 C (Total) 1997, 2011				09/08/2023 12:10
	Standard Methods 4500-NO2 B (Total) 2000, 2011				09/08/2023 20:05
	Standard Methods 4500-NO3 F (Total) 2000, 2011				09/08/2023 15:02
	Standard Methods 4500-NO3 F (Total) 2000, 2011				09/08/2023 15:02
	Standard Methods 4500-P E 1999				09/08/2023 11:28
	Standard Methods 4500-P E 1999, 2011				09/08/2023 11:22



## Dates Report

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23081489

Client Project: KIN-23Q3

Report Date: 13-Oct-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
Test Name					
	SW-846 9036 (Total)				09/12/2023 21:35
	SW-846 9214 (Total)				09/08/2023 15:18
	SW-846 9251 (Total)				09/12/2023 21:36
23081489-034B	Field Blank	09/07/2023 13:58	09/07/2023 15:30		
	Standard Methods 2320 B (Dissolved) 1997, 2011				09/12/2023 16:12
	Standard Methods 2320 B (Dissolved) 1997, 2011				09/12/2023 16:12
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				09/08/2023 20:00
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				09/08/2023 15:05
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				09/08/2023 15:05
	Standard Methods 4500-P E (Dissolved) 1999, 2011				09/08/2023 11:24
	Standard Methods 4500-P E (Dissolved) 1999				09/08/2023 11:28
	SW-846 9036 (Dissolved)				09/12/2023 17:13
	SW-846 9251 (Dissolved)				09/12/2023 17:12
23081489-034C	Field Blank	09/07/2023 13:58	09/07/2023 15:30		
	SW-846 3005A, 6010B, Metals by ICP (Total)			09/08/2023 9:59	09/11/2023 15:21
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/08/2023 9:59	09/20/2023 22:54
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/08/2023 9:59	09/21/2023 14:33
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/08/2023 9:59	09/22/2023 11:49
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/08/2023 9:59	09/26/2023 5:37
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/08/2023 9:59	09/27/2023 19:00
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/08/2023 9:59	09/29/2023 13:00
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/08/2023 9:59	10/02/2023 12:57
	SW-846 7470A (Total)			09/11/2023 11:50	09/12/2023 9:49
23081489-034D	Field Blank	09/07/2023 13:58	09/07/2023 15:30		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			09/11/2023 9:06	09/12/2023 10:29
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			09/11/2023 9:06	10/03/2023 13:03
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			09/11/2023 9:06	10/05/2023 8:59
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			09/11/2023 9:06	10/06/2023 8:13
	SW-846 7470A (Dissolved)			09/11/2023 11:50	09/12/2023 9:51
23081489-034E	Field Blank	09/07/2023 13:58	09/07/2023 15:30		
	SW-846 9012A (Total)			09/08/2023 17:16	09/11/2023 12:43
23081489-034F	Field Blank	09/07/2023 13:58	09/07/2023 15:30		
	SW-846 9060A				09/12/2023 2:12
23081489-034G	Field Blank	09/07/2023 13:58	09/07/2023 15:30		
	SW-846 9060A				09/11/2023 21:23
23081489-035A	MW-08 Duplicate	09/07/2023 10:19	09/07/2023 15:30		
	Ferrous Iron by CHEMets Kit				09/07/2023 10:19



## Dates Report

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23081489

Client Project: KIN-23Q3

Report Date: 13-Oct-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
Test Name					
	Field Elevation Measurements				09/07/2023 10:19
	Standard Methods 2130 B Field				09/07/2023 10:19
	Standard Methods 18th Ed. 2580 B Field				09/07/2023 10:19
	Standard Methods 2320 B (Total) 1997, 2011				09/12/2023 11:35
	Standard Methods 2320 B 1997, 2011				09/12/2023 11:35
	Standard Methods 2510 B Field				09/07/2023 10:19
	Standard Methods 2540 C (Total) 1997, 2011				09/08/2023 12:10
	Standard Methods 2550 B Field				09/07/2023 10:19
	Standard Methods 4500-NO2 B (Total) 2000, 2011				09/08/2023 20:06
	Standard Methods 4500-NO3 F (Total) 2000, 2011				09/08/2023 15:07
	Standard Methods 4500-NO3 F (Total) 2000, 2011				09/08/2023 15:07
	Standard Methods 4500-O G Field				09/07/2023 10:19
	Standard Methods 4500-P E 1999				09/08/2023 11:28
	Standard Methods 4500-P E 1999, 2011				09/08/2023 11:26
	SW-846 9036 (Total)				09/12/2023 21:49
	SW-846 9040B Field				09/07/2023 10:19
	SW-846 9214 (Total)				09/08/2023 15:21
	SW-846 9251 (Total)				09/12/2023 21:44
23081489-035B	MW-08 Duplicate	09/07/2023 10:19	09/07/2023 15:30		
	Standard Methods 2320 B (Dissolved) 1997, 2011				09/12/2023 16:18
	Standard Methods 2320 B (Dissolved) 1997, 2011				09/12/2023 16:18
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				09/08/2023 20:01
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				09/08/2023 15:09
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				09/08/2023 15:09
	Standard Methods 4500-P E (Dissolved) 1999, 2011				09/08/2023 11:27
	Standard Methods 4500-P E (Dissolved) 1999				09/08/2023 11:28
	SW-846 9036 (Dissolved)				09/12/2023 17:34
	SW-846 9251 (Dissolved)				09/12/2023 17:23
23081489-035C	MW-08 Duplicate	09/07/2023 10:19	09/07/2023 15:30		
	SW-846 3005A, 6010B, Metals by ICP (Total)			09/08/2023 9:59	09/11/2023 15:27
	SW-846 3005A, 6010B, Metals by ICP (Total)			09/08/2023 9:59	09/12/2023 11:57
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/08/2023 9:59	09/20/2023 22:59
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/08/2023 9:59	09/21/2023 14:39
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/08/2023 9:59	09/21/2023 19:45
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/08/2023 9:59	09/22/2023 12:34
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/08/2023 9:59	09/26/2023 5:44
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/08/2023 9:59	09/27/2023 19:07
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/08/2023 9:59	09/29/2023 14:16





## Dates Report

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23081489

Client Project: KIN-23Q3

Report Date: 13-Oct-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	Test Name				
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/08/2023 9:59	10/02/2023 13:03
	SW-846 7470A (Total)			09/11/2023 11:50	09/12/2023 9:53
23081489-035D	MW-08 Duplicate	09/07/2023 10:19	09/07/2023 15:30		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			09/11/2023 9:06	09/12/2023 10:31
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			09/11/2023 9:06	10/02/2023 19:48
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			09/11/2023 9:06	10/03/2023 12:35
23081489-035E	MW-08 Duplicate	09/07/2023 10:19	09/07/2023 15:30		
	SW-846 9012A (Total)			09/08/2023 17:16	09/11/2023 12:48
23081489-035F	MW-08 Duplicate	09/07/2023 10:19	09/07/2023 15:30		
	SW-846 9060A				09/12/2023 2:15
23081489-035G	MW-08 Duplicate	09/07/2023 10:19	09/07/2023 15:30		
	SW-846 9060A				09/11/2023 21:30



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23081489

Client Project: KIN-23Q3

Report Date: 13-Oct-23

### STANDARD METHODS 2510 B FIELD

Batch R336100		SampType: LCS		Units $\mu\text{S/cm}$							
SampID: LCS-1											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Spec. Conductance, Field	*	0		<b>1410</b>	1412	0	100.1	90	110	09/05/2023	

Batch R336100		SampType: LCS		Units $\mu\text{S/cm}$							
SampID: LCS-2											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Spec. Conductance, Field	*	0		<b>1410</b>	1412	0	100.0	90	110	09/06/2023	

Batch R336100		SampType: LCS		Units $\mu\text{S/cm}$							
SampID: LCS-3											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Spec. Conductance, Field	*	0		<b>1410</b>	1412	0	100.0	90	110	09/07/2023	

### SW-846 9040B FIELD

Batch R336100		SampType: LCS		Units							
SampID: LCS-1											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
pH	*	1.00		<b>7.01</b>	7.000	0	100.1	98.57	101.4	09/05/2023	

Batch R336100		SampType: LCS		Units							
SampID: LCS-2											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
pH	*	1.00		<b>7.00</b>	7.000	0	100.0	98.57	101.4	09/06/2023	

Batch R336100		SampType: LCS		Units							
SampID: LCS-3											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
pH	*	1.00		<b>7.00</b>	7.000	0	100.0	98.57	101.4	09/07/2023	

### STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R336096		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		<b>&lt; 20</b>	16.00	0	0	-100	100	09/07/2023	



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23081489

Client Project: KIN-23Q3

Report Date: 13-Oct-23

### STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R336096		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Total Dissolved Solids		20		<b>958</b>	1000	0	95.8	90	110	09/07/2023	

Batch R336096		SampType: DUP		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23081489-001ADUP												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Total Dissolved Solids		20		<b>336</b>				352.0	4.65	09/07/2023		

Batch R336151		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	09/08/2023	
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	09/08/2023	

Batch R336151		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Total Dissolved Solids		20		<b>958</b>	1000	0	95.8	90	110	09/08/2023	
Total Dissolved Solids		20		<b>964</b>	1000	0	96.4	90	110	09/08/2023	

Batch R336151		SampType: DUP		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23081489-005ADUP												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Total Dissolved Solids		20		<b>736</b>				732.0	0.54	09/08/2023		

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

Batch R335987		SampType: MS		Units mg/L							Date Analyzed
SampID: 23081489-001BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrite (as N)		0.05		<b>0.54</b>	0.5000	0	109.0	85	115	09/06/2023	

Batch R335987		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23081489-001BMDS												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Nitrogen, Nitrite (as N)		0.05		<b>0.54</b>	0.5000	0	108.2	0.5450	0.74	09/06/2023		



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23081489

Client Project: KIN-23Q3

Report Date: 13-Oct-23

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

Batch R335987		SampType: MS		Units mg/L							Date Analyzed
SampID: 23081489-002BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05		<b>0.54</b>	0.5000	0	108.0	85	115	09/06/2023	

Batch R335987		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23081489-002BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Nitrogen, Nitrite (as N)		0.05		<b>0.54</b>	0.5000	0	107.8	0.5400	0.19	09/06/2023		

Batch R335987		SampType: MS		Units mg/L							Date Analyzed
SampID: 23081489-005BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05		<b>0.54</b>	0.5000	0	107.2	85	115	09/07/2023	

Batch R335987		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23081489-005BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Nitrogen, Nitrite (as N)		0.05		<b>0.53</b>	0.5000	0	106.6	0.5360	0.56	09/07/2023		

Batch R335987		SampType: MS		Units mg/L							Date Analyzed
SampID: 23081489-006BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05		<b>0.54</b>	0.5000	0	108.6	85	115	09/07/2023	

Batch R335987		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23081489-006BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Nitrogen, Nitrite (as N)		0.05		<b>0.54</b>	0.5000	0	108.0	0.5430	0.55	09/07/2023		

Batch R336109		SampType: MS		Units mg/L							Date Analyzed
SampID: 23081489-007BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05		<b>0.54</b>	0.5000	0	107.8	85	115	09/08/2023	

Batch R336109		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23081489-007BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Nitrogen, Nitrite (as N)		0.05		<b>0.54</b>	0.5000	0	107.2	0.5390	0.56	09/08/2023		



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23081489

Client Project: KIN-23Q3

Report Date: 13-Oct-23

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

Batch R336109		SampType: MS		Units mg/L							Date Analyzed
SampID: 23081489-009BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrite (as N)		0.05		<b>0.53</b>	0.5000	0	106.0	85	115	09/08/2023	

Batch R336109		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23081489-009BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Nitrogen, Nitrite (as N)		0.05		<b>0.53</b>	0.5000	0	106.6	0.5300	0.56	09/08/2023		

Batch R336109		SampType: MS		Units mg/L							Date Analyzed
SampID: 23081489-014BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrite (as N)		0.05		<b>0.53</b>	0.5000	0	106.0	85	115	09/08/2023	

Batch R336109		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23081489-014BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Nitrogen, Nitrite (as N)		0.05		<b>0.53</b>	0.5000	0	106.6	0.5300	0.56	09/08/2023		

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

Batch R335987		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrite (as N)		0.05		< <b>0.05</b>	0.0250	0	0	-100	100	09/06/2023	
Nitrogen, Nitrite (as N)		0.05		< <b>0.05</b>	0.0250	0	0	-100	100	09/06/2023	

Batch R335987		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrite (as N)		0.25		<b>1.31</b>	1.250	0	104.8	90	110	09/06/2023	
Nitrogen, Nitrite (as N)		0.25		<b>1.31</b>	1.250	0	104.8	90	110	09/06/2023	

Batch R336109		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrite (as N)		0.05		< <b>0.05</b>	0.0250	0	0	-100	100	09/08/2023	



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23081489

Client Project: KIN-23Q3

Report Date: 13-Oct-23

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

Batch R336109		SampType: LCS		Units mg/L							
SampID: LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrite (as N)		0.25		<b>1.31</b>	1.250	0	104.8	90	110	09/08/2023	

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

Batch R335980		SampType: MS		Units mg/L							
SampID: 23081489-019BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		<b>0.344</b>	0.2500	0.08300	104.4	85	115	09/06/2023	

Batch R335980		SampType: MSD		Units mg/L							
SampID: 23081489-019BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		<b>0.342</b>	0.2500	0.08300	103.6	0.3440	0.58	09/06/2023	

Batch R336058		SampType: MS		Units mg/L							
SampID: 23081489-018BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		<b>0.246</b>	0.2500	0	98.4	85	115	09/07/2023	

Batch R336058		SampType: MSD		Units mg/L							
SampID: 23081489-018BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		<b>0.247</b>	0.2500	0	98.8	0.2460	0.41	09/07/2023	

Batch R336119		SampType: MS		Units mg/L							
SampID: 23081489-029BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050	S	<b>0.252</b>	0.2500	0.04400	83.2	85	115	09/08/2023	

Batch R336119		SampType: MSD		Units mg/L							
SampID: 23081489-029BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050	S	<b>0.252</b>	0.2500	0.04400	83.2	0.2520	0.00	09/08/2023	



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23081489

Client Project: KIN-23Q3

Report Date: 13-Oct-23

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

Batch R335980		SampType: MBLK		Units mg/L							Date Analyzed
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						09/06/2023	
Nitrogen, Nitrate-Nitrite (as N)		0.050		< 0.050	0.0090	0	0	-100	100	09/06/2023	

Batch R335980		SampType: LCS		Units mg/L							Date Analyzed
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.515	0.5000	0	103.0	90	110	09/06/2023	

Batch R335980		SampType: MS		Units mg/L							Date Analyzed
SampID: 23081489-003AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.423	0.2500	0.1660	102.8	85	115	09/06/2023	

Batch R335980		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23081489-003AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.419	0.2500	0.1660	101.2	0.4230	0.95	09/06/2023		

Batch R336058		SampType: MBLK		Units mg/L							Date Analyzed
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						09/07/2023	
Nitrogen, Nitrate-Nitrite (as N)		0.050		< 0.050	0.0090	0	0	-100	100	09/07/2023	

Batch R336058		SampType: LCS		Units mg/L							Date Analyzed
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.515	0.5000	0	103.0	90	110	09/07/2023	

Batch R336058		SampType: MS		Units mg/L							Date Analyzed
SampID: 23081489-017AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.337	0.2500	0.08900	99.2	85	115	09/07/2023	



## Quality Control Results

<http://www.teklabinc.com/>

**Client:** Ramboll

**Work Order:** 23081489

**Client Project:** KIN-23Q3

**Report Date:** 13-Oct-23

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

Batch R336058		SampType: MSD		Units mg/L				RPD Limit 10			Date Analyzed
SampID: 23081489-017AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		<b>0.340</b>	0.2500	0.08900	100.4	0.3370	0.89	09/07/2023	

Batch R336119		SampType: MBLK		Units mg/L						Date Analyzed
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		< <b>0.050</b>						09/08/2023
Nitrogen, Nitrate-Nitrite (as N)		0.050		< <b>0.050</b>	0.0090	0	0	-100	100	09/08/2023

Batch R336119		SampType: LCS		Units mg/L						Date Analyzed
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		<b>0.516</b>	0.5000	0	103.2	90	110	09/08/2023

Batch R336119		SampType: MS		Units mg/L						Date Analyzed
SampID: 23081489-009AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		<b>0.452</b>	0.2500	0.1940	103.2	85	115	09/08/2023

Batch R336119		SampType: MSD		Units mg/L				RPD Limit 10			Date Analyzed
SampID: 23081489-009AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		<b>0.452</b>	0.2500	0.1940	103.2	0.4520	0.00	09/08/2023	

Batch R336219		SampType: MBLK		Units mg/L						Date Analyzed
SampID: ICB/MBLK										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		< <b>0.050</b>	0.0090	0	0	-100	100	09/11/2023

Batch R336219		SampType: LCS		Units mg/L						Date Analyzed
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		<b>0.512</b>	0.5000	0	102.4	90	110	09/11/2023





## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23081489

Client Project: KIN-23Q3

Report Date: 13-Oct-23

### STANDARD METHODS 4500-P E (DISSOLVED) 1999, 2011

Batch R336011		SampType: MS		Units mg/L							Date Analyzed
SampID: 23081489-001BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phosphorus, Orthophosphate (as P)		0.010		<b>0.050</b>	0.0500	0	100.0	85	115	09/06/2023	

Batch R336011		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23081489-001BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Phosphorus, Orthophosphate (as P)		0.010		<b>0.049</b>	0.0500	0	98.0	0.05000	2.02	09/06/2023		

Batch R336090		SampType: MS		Units mg/L							Date Analyzed
SampID: 23081489-005BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phosphorus, Orthophosphate (as P)		0.010		<b>0.045</b>	0.0500	0	90.0	85	115	09/07/2023	

Batch R336090		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23081489-005BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Phosphorus, Orthophosphate (as P)		0.010		<b>0.049</b>	0.0500	0	98.0	0.04500	8.51	09/07/2023		

Batch R336090		SampType: MS		Units mg/L							Date Analyzed
SampID: 23081489-006BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phosphorus, Orthophosphate (as P)		0.010		<b>0.054</b>	0.0500	0.007000	94.0	85	115	09/07/2023	

Batch R336090		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23081489-006BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Phosphorus, Orthophosphate (as P)		0.010		<b>0.052</b>	0.0500	0.007000	90.0	0.05400	3.77	09/07/2023		

Batch R336090		SampType: MS		Units mg/L							Date Analyzed
SampID: 23081489-007BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phosphorus, Orthophosphate (as P)		0.010		<b>0.054</b>	0.0500	0.006000	96.0	85	115	09/08/2023	

Batch R336090		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23081489-007BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Phosphorus, Orthophosphate (as P)		0.010		<b>0.057</b>	0.0500	0.006000	102.0	0.05400	5.41	09/08/2023		



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23081489

Client Project: KIN-23Q3

Report Date: 13-Oct-23

### STANDARD METHODS 4500-P E (DISSOLVED) 1999, 2011

Batch R336090		SampType: MS		Units mg/L							Date Analyzed
SampID: 23081489-009BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phosphorus, Orthophosphate (as P)		0.010		<b>0.052</b>	0.0500	0	104.0	85	115	09/08/2023	

Batch R336090		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23081489-009BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Phosphorus, Orthophosphate (as P)		0.010		<b>0.053</b>	0.0500	0	106.0	0.05200	1.90	09/08/2023		

Batch R336090		SampType: MS		Units mg/L							Date Analyzed
SampID: 23081489-017BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phosphorus, Orthophosphate (as P)		0.010	S	<b>0.090</b>	0.0500	0	180.0	85	115	09/07/2023	

Batch R336090		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23081489-017BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Phosphorus, Orthophosphate (as P)		0.010	S	<b>0.089</b>	0.0500	0	178.0	0.09000	1.12	09/07/2023		

### STANDARD METHODS 4500-P E 1999, 2011

Batch R336011		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phosphorus, Orthophosphate (as P)		0.010		<b>&lt; 0.010</b>	0.0020	0	0	-100	100	09/06/2023	

Batch R336011		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phosphorus, Orthophosphate (as P)		0.010		<b>0.099</b>	0.1000	0	99.0	90	110	09/06/2023	

Batch R336090		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phosphorus, Orthophosphate (as P)		0.010		<b>&lt; 0.010</b>	0.0020	0	0	-100	100	09/07/2023	



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23081489

Client Project: KIN-23Q3

Report Date: 13-Oct-23

### STANDARD METHODS 4500-P E 1999, 2011

Batch R336090		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phosphorus, Orthophosphate (as P)		0.010		<b>0.095</b>	0.1000	0	95.0	90	110	09/07/2023	

### SW-846 9012A (TOTAL)

Batch 211724		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK 230906 TCN1											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		<b>&lt; 0.005</b>	0.0015	0	0	-100	100	09/07/2023	

Batch 211724		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS 230906 TCN1											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		<b>0.027</b>	0.0250	0	106.0	90	110	09/07/2023	

Batch 211724		SampType: MS		Units mg/L							Date Analyzed
SampID: 23081489-004CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		<b>0.027</b>	0.0250	0	108.6	75	125	09/07/2023	

Batch 211724		SampType: MSD		Units mg/L							RPD Limit 15	Date Analyzed
SampID: 23081489-004CMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Cyanide		0.005		<b>0.028</b>	0.0250	0	110.9	0.02714	2.10	09/07/2023		

Batch 211769		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK 230907 TCN1											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		<b>&lt; 0.005</b>	0.0015	0	0	-100	100	09/08/2023	

Batch 211769		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS 230907 TCN1											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		<b>0.026</b>	0.0250	0	104.6	90	110	09/08/2023	



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23081489

Client Project: KIN-23Q3

Report Date: 13-Oct-23

### SW-846 9012A (TOTAL)

Batch 211769		SampType: MS		Units mg/L							Date Analyzed
SampID: 23081489-005EMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		<b>0.025</b>	0.0250	0	101.2	75	125	09/08/2023	

Batch 211769		SampType: MSD		Units mg/L							RPD Limit 15	Date Analyzed
SampID: 23081489-005EMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Cyanide		0.005		<b>0.025</b>	0.0250	0	98.1	0.02530	3.13	09/08/2023		

Batch 211814		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK 230908 TCN1											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		<b>&lt; 0.005</b>	0.0015	0	0	-100	100	09/11/2023	

Batch 211814		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS 230908 TCN1											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		<b>0.027</b>	0.0250	0	106.9	90	110	09/11/2023	

Batch 211814		SampType: MS		Units mg/L							Date Analyzed
SampID: 23081489-014EMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		<b>0.027</b>	0.0250	0	109.1	75	125	09/11/2023	

Batch 211814		SampType: MSD		Units mg/L							RPD Limit 15	Date Analyzed
SampID: 23081489-014EMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Cyanide		0.005		<b>0.029</b>	0.0250	0	114.2	0.02728	4.55	09/11/2023		

### SW-846 9036 (DISSOLVED)

Batch R336163		SampType: MS		Units mg/L							Date Analyzed
SampID: 23081489-025BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		100	SE	<b>545</b>	200.0	381.5	81.7	85	115	09/09/2023	



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23081489

Client Project: KIN-23Q3

Report Date: 13-Oct-23

**SW-846 9036 (DISSOLVED)**

Batch R336163		SampType: MSD		Units mg/L				RPD Limit 10			Date Analyzed
SampID: 23081489-025BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Sulfate		100	SE	<b>542</b>	200.0	381.5	80.3	544.9	0.53	09/09/2023	

Batch R336237		SampType: MS		Units mg/L				Low Limit	High Limit	Date Analyzed
SampID: 23081489-001BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50		<b>179</b>	100.0	80.21	98.9	85	115	09/12/2023

Batch R336237		SampType: MSD		Units mg/L				RPD Limit 10			Date Analyzed
SampID: 23081489-001BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Sulfate		50		<b>180</b>	100.0	80.21	99.3	179.1	0.26	09/12/2023	

Batch R336237		SampType: MS		Units mg/L				Low Limit	High Limit	Date Analyzed
SampID: 23081489-022BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		<b>20</b>	20.00	0	97.8	85	115	09/12/2023

Batch R336237		SampType: MSD		Units mg/L				RPD Limit 10			Date Analyzed
SampID: 23081489-022BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Sulfate		10		<b>20</b>	20.00	0	99.7	19.55	1.98	09/12/2023	

Batch R336237		SampType: MS		Units mg/L				Low Limit	High Limit	Date Analyzed
SampID: 23081489-035BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		100		<b>405</b>	200.0	212.7	96.0	85	115	09/12/2023

Batch R336237		SampType: MSD		Units mg/L				RPD Limit 10			Date Analyzed
SampID: 23081489-035BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Sulfate		100		<b>394</b>	200.0	212.7	90.7	404.8	2.69	09/12/2023	



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23081489

Client Project: KIN-23Q3

Report Date: 13-Oct-23

**SW-846 9036 (TOTAL)**

Batch R336163		SampType: MBLK		Units mg/L							
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10		< 10	6.140	0	0	-100	100	09/08/2023	

Batch R336163		SampType: LCS		Units mg/L							
SampID: ICB/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10		18	20.00	0	91.5	90	110	09/08/2023	

Batch R336237		SampType: MBLK		Units mg/L							
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10		< 10	6.140	0	0	-100	100	09/12/2023	

Batch R336237		SampType: LCS		Units mg/L							
SampID: ICB/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10		19	20.00	0	93.0	90	110	09/12/2023	

Batch R336237		SampType: MS		Units mg/L							
SampID: 23081489-003AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		100		297	200.0	117.0	89.8	85	115	09/12/2023	

Batch R336237		SampType: MSD		Units mg/L							
SampID: 23081489-003AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Sulfate		100		296	200.0	117.0	89.6	296.5	0.12	09/12/2023	

Batch R336315		SampType: MBLK		Units mg/L							
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10		< 10	6.140	0	0	-100	100	09/13/2023	

Batch R336315		SampType: MBLK		Units mg/L							
SampID: MBLK-211823											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate	*	10		< 10	6.140	0	0	-100	100	09/13/2023	



## Quality Control Results

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Client: Ramboll

Work Order: 23081489

Client Project: KIN-23Q3

Report Date: 13-Oct-23

### SW-846 9036 (TOTAL)

Batch R336315		SampType: LCS		Units mg/L						
SampID: ICV/LCS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		19	20.00	0	94.5	90	110	09/13/2023

Batch R336315		SampType: MS		Units mg/L						
SampID: 23081489-013AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50		222	100.0	128.5	93.4	85	115	09/13/2023

Batch R336315		SampType: MSD		Units mg/L						
SampID: 23081489-013AMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		50		226	100.0	128.5	97.5	221.9	1.83	09/13/2023

### SW-846 9060A

Batch R336068		SampType: MBLK		Units mg/L						
SampID: FILTER MBLK										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Dissolved Organic Carbon		1.0		< 1.0	0.4500	0	0	-100	100	09/07/2023

Batch R336068		SampType: MBLK		Units mg/L						
SampID: ICB/MBLK										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Organic Carbon (TOC)		1.0		< 1.0	0.4500	0	0	-100	100	09/07/2023

Batch R336068		SampType: LCS		Units mg/L						
SampID: ICV/LCS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Organic Carbon (TOC)		1.0		4.9	5.000	0	97.8	90	110	09/07/2023

Batch R336068		SampType: MS		Units mg/L						
SampID: 23081489-001FMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Organic Carbon (TOC)		1.0		5.9	5.000	1.120	96.2	85	115	09/08/2023



## Quality Control Results

<http://www.teklabinc.com/>

**Client:** Ramboll

**Work Order:** 23081489

**Client Project:** KIN-23Q3

**Report Date:** 13-Oct-23

**SW-846 9060A**

Batch R336068		SampType: MSD		Units mg/L				RPD Limit 10			Date Analyzed
SampID: 23081489-001FMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Total Organic Carbon (TOC)		1.0		5.5	5.000	1.120	88.0	5.930	7.16	09/08/2023	

Batch R336217		SampType: MBLK		Units mg/L				RPD Limit 10			Date Analyzed
SampID: FILTER MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Dissolved Organic Carbon		1.0		< 1.0	0.4500	0	0	-100	100	09/11/2023	

Batch R336217		SampType: MBLK		Units mg/L				RPD Limit 10			Date Analyzed
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Total Organic Carbon (TOC)		1.0		< 1.0	0.4500	0	0	-100	100	09/11/2023	

Batch R336217		SampType: LCS		Units mg/L				RPD Limit 10			Date Analyzed
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Total Organic Carbon (TOC)		1.0		4.7	5.000	0	94.6	90	110	09/11/2023	

Batch R336217		SampType: MS		Units mg/L				RPD Limit 10			Date Analyzed
SampID: 23081489-005FMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Total Organic Carbon (TOC)		1.0		6.4	5.000	1.260	103.2	85	115	09/11/2023	

Batch R336217		SampType: MSD		Units mg/L				RPD Limit 10			Date Analyzed
SampID: 23081489-005FMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Total Organic Carbon (TOC)		1.0		6.4	5.000	1.260	102.2	6.420	0.78	09/11/2023	

Batch R336217		SampType: MS		Units mg/L				RPD Limit 10			Date Analyzed
SampID: 23081489-005GMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Dissolved Organic Carbon		1.0		6.4	5.000	1.350	101.8	85	115	09/11/2023	

Batch R336217		SampType: MSD		Units mg/L				RPD Limit 10			Date Analyzed
SampID: 23081489-005GMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Dissolved Organic Carbon		1.0		6.4	5.000	1.350	101.6	6.440	0.16	09/11/2023	





## Quality Control Results

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**Client:** Ramboll

**Work Order:** 23081489

**Client Project:** KIN-23Q3

**Report Date:** 13-Oct-23

**SW-846 9060A**

Batch R336217		SampType: MS		Units mg/L							Date Analyzed
SampID: 23081489-017EMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Total Organic Carbon (TOC)		1.0		6.5	5.000	1.370	102.2	85	115	09/11/2023	

Batch R336217		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23081489-017EMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Total Organic Carbon (TOC)		1.0		6.7	5.000	1.370	105.8	6.480	2.74	09/11/2023		

Batch R336217		SampType: MS		Units mg/L							Date Analyzed
SampID: 23081489-017FMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Dissolved Organic Carbon		1.0		6.4	5.000	1.330	101.0	85	115	09/11/2023	

Batch R336217		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23081489-017FMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Dissolved Organic Carbon		1.0		6.6	5.000	1.330	105.2	6.380	3.24	09/11/2023		

Batch R336217		SampType: MS		Units mg/L							Date Analyzed
SampID: 23081489-024EMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Total Organic Carbon (TOC)		10.0		61.7	50.00	16.01	91.4	85	115	09/12/2023	

Batch R336217		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23081489-024EMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Total Organic Carbon (TOC)		10.0		65.7	50.00	16.01	99.3	61.71	6.20	09/12/2023		

Batch R336370		SampType: MBLK		Units mg/L							Date Analyzed
SampID: FILTER MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Dissolved Organic Carbon		1.0		< 1.0	0.4500	0	0	-100	100	09/14/2023	

Batch R336370		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MB-R336370											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Dissolved Organic Carbon		1.0		< 1.0	0.4500	0	0	0	0	09/14/2023	



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23081489

Client Project: KIN-23Q3

Report Date: 13-Oct-23

### SW-846 9060A

**Batch R336370**    **SampType: LCS**                      Units mg/L

SampID: LCS-R336370

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Dissolved Organic Carbon		1.0		<b>5.5</b>	5.000	0	110.0	90	110	09/14/2023

**Batch R336411**    **SampType: MBLK**                      Units mg/L

SampID: FILTER MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Dissolved Organic Carbon		1.0		<b>&lt; 1.0</b>	0.4500	0	0	-100	100	09/15/2023

**Batch R336411**    **SampType: MBLK**                      Units mg/L

SampID: MB-R336411

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Dissolved Organic Carbon		1.0		<b>&lt; 1.0</b>	0.4500	0	0	-100	100	09/15/2023

**Batch R336411**    **SampType: LCS**                      Units mg/L

SampID: LCS-R336411

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Dissolved Organic Carbon		1.0		<b>4.9</b>	5.000	0	98.8	90	110	09/15/2023

### SW-846 9214 (TOTAL)

**Batch R336108**    **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		<b>&lt; 0.10</b>	0.0500	0	0	-100	100	09/08/2023

**Batch R336108**    **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		<b>0.99</b>	1.000	0	99.4	90	110	09/08/2023

**Batch R336108**    **SampType: MS**                      Units mg/L

SampID: 23081489-014AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		<b>2.20</b>	2.000	0.2010	99.8	75	125	09/08/2023



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23081489

Client Project: KIN-23Q3

Report Date: 13-Oct-23

**SW-846 9214 (TOTAL)**

Batch R336108		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 23081489-014AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Fluoride		0.10		<b>2.22</b>	2.000	0.2010	100.9	2.198	0.95	09/08/2023	

Batch R336108		SampType: MS		Units mg/L							
SampID: 23081489-035AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		<b>1.96</b>	2.000	0.2190	87.2	75	125	09/08/2023	

Batch R336108		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 23081489-035AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Fluoride		0.10		<b>2.20</b>	2.000	0.2190	99.3	1.964	11.56	09/08/2023	

Batch R336139		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		<b>&lt; 0.10</b>	0.0500	0	0	-100	100	09/11/2023	

Batch R336139		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		<b>1.03</b>	1.000	0	103.2	90	110	09/11/2023	

Batch R336139		SampType: MS		Units mg/L							
SampID: 23081489-019AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		<b>2.76</b>	2.000	0.4010	117.8	75	125	09/11/2023	

Batch R336139		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 23081489-019AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Fluoride		0.10		<b>2.66</b>	2.000	0.4010	112.7	2.757	3.77	09/11/2023	



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23081489

Client Project: KIN-23Q3

Report Date: 13-Oct-23

**SW-846 9251 (DISSOLVED)**

Batch R336144		SampType: MS		Units mg/L							Date Analyzed
SampID: 23081489-001BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		<b>32</b>	20.00	13.26	92.0	85	115	09/09/2023	

Batch R336144		SampType: MSD		Units mg/L							RPD Limit 15	Date Analyzed
SampID: 23081489-001BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Chloride		4		<b>32</b>	20.00	13.26	93.6	31.66	1.01	09/09/2023		

Batch R336144		SampType: MS		Units mg/L							Date Analyzed
SampID: 23081489-025BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		<b>29</b>	20.00	10.38	92.8	85	115	09/09/2023	

Batch R336144		SampType: MSD		Units mg/L							RPD Limit 15	Date Analyzed
SampID: 23081489-025BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Chloride		4		<b>29</b>	20.00	10.38	94.0	28.95	0.83	09/09/2023		

Batch R336274		SampType: MS		Units mg/L							Date Analyzed
SampID: 23081489-022BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4	E	<b>60</b>	20.00	41.38	90.7	85	115	09/12/2023	

Batch R336274		SampType: MSD		Units mg/L							RPD Limit 15	Date Analyzed
SampID: 23081489-022BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Chloride		4	E	<b>60</b>	20.00	41.38	91.0	59.52	0.08	09/12/2023		

Batch R336274		SampType: MS		Units mg/L							Date Analyzed
SampID: 23081489-035BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		<b>37</b>	20.00	19.76	87.4	85	115	09/12/2023	

Batch R336274		SampType: MSD		Units mg/L							RPD Limit 15	Date Analyzed
SampID: 23081489-035BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Chloride		4		<b>37</b>	20.00	19.76	87.5	37.24	0.03	09/12/2023		



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23081489

Client Project: KIN-23Q3

Report Date: 13-Oct-23

### SW-846 9251 (TOTAL)

Batch R336144		SampType: MBLK		Units mg/L							
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		< 4	0.5000	0	0	-100	100	09/08/2023	

Batch R336144		SampType: MBLK		Units mg/L							
SampID: MBLK-211677											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride	*	4		< 4	0.5000	0	0	-100	100	09/08/2023	

Batch R336144		SampType: LCS		Units mg/L							
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		19	20.00	0	95.6	90	110	09/08/2023	

Batch R336274		SampType: MBLK		Units mg/L							
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		< 4	0.5000	0	0	-100	100	09/12/2023	

Batch R336274		SampType: LCS		Units mg/L							
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		19	20.00	0	97.0	90	110	09/12/2023	

Batch R336274		SampType: MS		Units mg/L							
SampID: 23081489-003AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4	S	45	20.00	28.34	81.4	85	115	09/12/2023	

Batch R336274		SampType: MSD		Units mg/L							
SampID: 23081489-003AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Chloride		4	S	45	20.00	28.34	84.0	44.61	1.18	09/12/2023	

Batch R336274		SampType: MS		Units mg/L							
SampID: 23081489-013AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		49	20.00	31.84	86.3	85	115	09/12/2023	



## Quality Control Results

<http://www.teklabinc.com/>

**Client:** Ramboll

**Work Order:** 23081489

**Client Project:** KIN-23Q3

**Report Date:** 13-Oct-23

**SW-846 9251 (TOTAL)**

Batch R336274		SampType: MSD		Units mg/L				RPD Limit 15			Date Analyzed
SampID: 23081489-013AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Chloride		4		<b>49</b>	20.00	31.84	85.8	49.10	0.20	09/12/2023	

Batch R336346		SampType: MBLK		Units mg/L						Date Analyzed
SampID: ICB/MBLK										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		<b>&lt; 4</b>	0.5000	0	0	-100	100	09/13/2023

Batch R336346		SampType: MBLK		Units mg/L						Date Analyzed
SampID: MBLK-211823										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride	*	4		<b>&lt; 4</b>	0.5000	0	0	-100	100	09/13/2023

Batch R336346		SampType: LCS		Units mg/L						Date Analyzed
SampID: ICV/LCS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		<b>19</b>	20.00	0	95.5	90	110	09/13/2023



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23081489

Client Project: KIN-23Q3

Report Date: 13-Oct-23

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

Batch 211848      SampType: MBLK      Units mg/L

SampID: MBLK-211848

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		< 0.0250	0.0127	0	0	-100	100	09/11/2023
Antimony		0.0500		< 0.0500	0.0068	0	0	-100	100	09/11/2023
Arsenic		0.0250		< 0.0250	0.0087	0	0	-100	100	09/11/2023
Barium		0.0025		< 0.0025	0.0007	0	0	-100	100	09/11/2023
Beryllium		0.0005		< 0.0005	0.0002	0	0	-100	100	09/11/2023
Boron		0.0200		< 0.0200	0.0090	0	0	-100	100	09/11/2023
Cadmium		0.0020		< 0.0020	0.0005	0	0	-100	100	09/11/2023
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	09/11/2023
Chromium		0.0050		< 0.0050	0.0028	0	0	-100	100	09/11/2023
Cobalt		0.0050		< 0.0050	0.0020	0	0	-100	100	09/11/2023
Lead		0.0150		< 0.0150	0.0014	0	0	-100	100	09/11/2023
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	09/11/2023
Manganese		0.0070		< 0.0070	0.0025	0	0	-100	100	09/11/2023
Molybdenum		0.0100		< 0.0100	0.0037	0	0	-100	100	09/11/2023
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	09/11/2023
Selenium		0.0400		< 0.0400	0.0170	0	0	-100	100	09/11/2023
Silicon	*	0.0500		< 0.0500	0.0122	0	0	-100	100	09/11/2023
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	09/11/2023
Thallium		0.0500		< 0.0500	0.0111	0	0	-100	100	09/11/2023



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23081489

Client Project: KIN-23Q3

Report Date: 13-Oct-23

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

Batch 211848      SampType: LCS      Units mg/L  
 SampID: LCS-211848

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		<b>1.75</b>	2.000	0	87.4	85	115	09/11/2023
Antimony		0.0500		<b>0.448</b>	0.5000	0	89.6	85	115	09/11/2023
Arsenic		0.0250		<b>0.474</b>	0.5000	0	94.9	85	115	09/11/2023
Barium		0.0025		<b>1.87</b>	2.000	0	93.4	85	115	09/11/2023
Beryllium		0.0005		<b>0.0460</b>	0.0500	0	92.0	85	115	09/11/2023
Boron		0.0200		<b>0.448</b>	0.5000	0	89.7	85	115	09/11/2023
Cadmium		0.0020		<b>0.0506</b>	0.0500	0	101.2	85	115	09/11/2023
Calcium		0.100		<b>2.34</b>	2.500	0	93.6	85	115	09/11/2023
Chromium		0.0050		<b>0.186</b>	0.2000	0	93.2	85	115	09/11/2023
Cobalt		0.0050		<b>0.464</b>	0.5000	0	92.8	85	115	09/11/2023
Lead		0.0150		<b>0.466</b>	0.5000	0	93.1	85	115	09/11/2023
Magnesium		0.0500		<b>2.30</b>	2.500	0	92.1	85	115	09/11/2023
Manganese		0.0070		<b>0.446</b>	0.5000	0	89.2	85	115	09/11/2023
Molybdenum		0.0100		<b>0.454</b>	0.5000	0	90.8	85	115	09/11/2023
Potassium		0.100		<b>2.47</b>	2.500	0	98.9	85	115	09/11/2023
Selenium		0.0400		<b>0.451</b>	0.5000	0	90.2	85	115	09/11/2023
Silicon	*	0.0500		<b>0.475</b>	0.5000	0	95.0	85	115	09/11/2023
Sodium		0.0500		<b>2.29</b>	2.500	0	91.5	85	115	09/11/2023
Thallium		0.0500		<b>0.228</b>	0.2500	0	91.4	85	115	09/11/2023

Batch 211848      SampType: MS      Units mg/L  
 SampID: 23081489-006DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	<b>98.0</b>	5.000	94.71	66.0	75	125	09/11/2023
Magnesium		0.0500		<b>46.5</b>	5.000	42.60	78.9	75	125	09/11/2023
Potassium		0.100		<b>4.88</b>	5.000	0.2757	92.1	75	125	09/11/2023
Silicon	*	0.0500		<b>6.21</b>	1.000	5.362	84.7	75	125	09/11/2023
Sodium		0.0500		<b>28.6</b>	5.000	24.62	79.8	75	125	09/11/2023





## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23081489

Client Project: KIN-23Q3

Report Date: 13-Oct-23

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

Batch 211848		SampType: MSD		Units mg/L				RPD Limit 20			
SampID: 23081489-006DMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Calcium		0.100	S	<b>96.3</b>	5.000	94.71	32.6	98.01	1.72	09/11/2023	
Magnesium		0.0500	S	<b>45.8</b>	5.000	42.60	63.7	46.54	1.64	09/11/2023	
Potassium		0.100		<b>4.75</b>	5.000	0.2757	89.4	4.882	2.81	09/11/2023	
Silicon	*	0.0500		<b>6.13</b>	1.000	5.362	76.4	6.209	1.35	09/11/2023	
Sodium		0.0500	S	<b>28.2</b>	5.000	24.62	70.6	28.61	1.62	09/11/2023	

Batch 211848		SampType: MS		Units mg/L							
SampID: 23081489-023DMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Calcium		0.100	S	<b>112</b>	5.000	113.6	-28.4	75	125	09/11/2023	
Magnesium		0.0500	S	<b>57.8</b>	5.000	56.04	34.8	75	125	09/11/2023	
Potassium		0.100		<b>5.14</b>	5.000	0.7157	88.5	75	125	09/11/2023	
Silicon	*	0.0500	S	<b>8.49</b>	1.000	8.021	46.7	75	125	09/11/2023	
Sodium		0.0500	S	<b>27.2</b>	5.000	24.21	60.6	75	125	09/11/2023	

Batch 211848		SampType: MSD		Units mg/L				RPD Limit 20			
SampID: 23081489-023DMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Calcium		0.100	S	<b>113</b>	5.000	113.6	-20.4	112.2	0.36	09/11/2023	
Magnesium		0.0500	S	<b>58.0</b>	5.000	56.04	38.8	57.78	0.35	09/11/2023	
Potassium		0.100		<b>5.13</b>	5.000	0.7157	88.2	5.140	0.26	09/11/2023	
Silicon	*	0.0500	S	<b>8.56</b>	1.000	8.021	54.3	8.488	0.90	09/11/2023	
Sodium		0.0500	S	<b>27.4</b>	5.000	24.21	62.8	27.24	0.40	09/11/2023	

Batch 211851		SampType: MBLK		Units mg/L							
SampID: MBLK-211851											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Calcium		0.100		<b>&lt; 0.100</b>	0.0350	0	0	-100	100	09/12/2023	
Magnesium		0.0500		<b>&lt; 0.0500</b>	0.0055	0	0	-100	100	09/12/2023	
Potassium		0.100		<b>&lt; 0.100</b>	0.0400	0	0	-100	100	09/12/2023	
Silicon	*	0.0500		<b>&lt; 0.0500</b>	0.0122	0	0	-100	100	09/12/2023	
Sodium		0.0500		<b>&lt; 0.0500</b>	0.0180	0	0	-100	100	09/12/2023	



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23081489

Client Project: KIN-23Q3

Report Date: 13-Oct-23

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

**Batch 211851**      **SampType: LCS**      Units mg/L

SampID: LCS-211851

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		<b>2.42</b>	2.500	0	97.0	85	115	09/12/2023
Magnesium		0.0500		<b>2.17</b>	2.500	0	86.9	85	115	09/12/2023
Potassium		0.100		<b>2.48</b>	2.500	0	99.3	85	115	09/12/2023
Silicon	*	0.0500		<b>0.473</b>	0.5000	0	94.6	85	115	09/12/2023
Sodium		0.0500		<b>2.37</b>	2.500	0	94.9	85	115	09/12/2023

**Batch 211851**      **SampType: MS**      Units mg/L

SampID: 23081489-034DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		<b>4.25</b>	5.000	0	84.9	75	125	09/12/2023
Magnesium		0.0500		<b>3.87</b>	5.000	0.005600	77.3	75	125	09/12/2023
Potassium		0.100		<b>4.28</b>	5.000	0	85.5	75	125	09/12/2023
Silicon	*	0.0500		<b>0.810</b>	1.000	0	81.0	75	125	09/12/2023
Sodium		0.0500		<b>4.23</b>	5.000	0	84.7	75	125	09/12/2023

**Batch 211851**      **SampType: MSD**      Units mg/L

RPD Limit **20**

SampID: 23081489-034DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100		<b>4.35</b>	5.000	0	87.0	4.247	2.36	09/12/2023
Magnesium		0.0500		<b>3.99</b>	5.000	0.005600	79.6	3.872	2.94	09/12/2023
Potassium		0.100		<b>4.39</b>	5.000	0	87.8	4.277	2.60	09/12/2023
Silicon	*	0.0500		<b>0.836</b>	1.000	0	83.6	0.8101	3.21	09/12/2023
Sodium		0.0500		<b>4.36</b>	5.000	0	87.1	4.233	2.86	09/12/2023

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

**Batch 211734**      **SampType: MBLK**      Units mg/L

SampID: MBLK-211734

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		< <b>0.100</b>	0.0350	0	0	-100	100	09/11/2023
Magnesium		0.0500		< <b>0.0500</b>	0.0055	0	0	-100	100	09/11/2023
Potassium		0.100		< <b>0.100</b>	0.0400	0	0	-100	100	09/11/2023
Silicon	*	0.0500	JS	<b>0.039</b>	0.0122	0	320.5	-100	100	09/11/2023
Sodium		0.0500		< <b>0.0500</b>	0.0180	0	0	-100	100	09/11/2023



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23081489

Client Project: KIN-23Q3

Report Date: 13-Oct-23

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

**Batch 211734**      **SampType: LCS**      Units mg/L

SampID: LCS-211734

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		<b>2.56</b>	2.500	0	102.4	85	115	09/11/2023
Magnesium		0.0500		<b>2.28</b>	2.500	0	91.0	85	115	09/11/2023
Potassium		0.100		<b>2.57</b>	2.500	0	102.8	85	115	09/11/2023
Silicon	*	0.0500	B	<b>0.489</b>	0.5000	0	97.7	85	115	09/11/2023
Sodium		0.0500		<b>2.42</b>	2.500	0	96.9	85	115	09/11/2023

**Batch 211778**      **SampType: MBLK**      Units mg/L

SampID: MBLK-211778

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		< <b>0.100</b>	0.0350	0	0	-100	100	09/11/2023
Magnesium		0.0500		< <b>0.0500</b>	0.0055	0	0	-100	100	09/11/2023
Magnesium		0.0500		< <b>0.0500</b>	0.0055	0	0	-100	100	09/12/2023
Potassium		0.100		< <b>0.100</b>	0.0400	0	0	-100	100	09/11/2023
Silicon	*	0.0500	JS	<b>0.040</b>	0.0122	0	326.2	-100	100	09/11/2023
Sodium		0.0500		< <b>0.0500</b>	0.0180	0	0	-100	100	09/11/2023

**Batch 211778**      **SampType: LCS**      Units mg/L

SampID: LCS-211778

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		<b>2.62</b>	2.500	0	105.0	85	115	09/11/2023
Magnesium		0.0500		<b>2.29</b>	2.500	0	91.8	85	115	09/11/2023
Magnesium		0.0500		<b>2.41</b>	2.500	0	96.5	85	115	09/12/2023
Potassium		0.100		<b>2.59</b>	2.500	0	103.7	85	115	09/11/2023
Silicon	*	0.0500	B	<b>0.494</b>	0.5000	0	98.7	85	115	09/11/2023
Sodium		0.0500		<b>2.44</b>	2.500	0	97.7	85	115	09/11/2023

**Batch 211778**      **SampType: MS**      Units mg/L

SampID: 23081489-022CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	<b>115</b>	2.500	111.3	135.2	75	125	09/11/2023
Magnesium		0.0500		<b>57.9</b>	2.500	55.08	110.9	75	125	09/11/2023
Potassium		0.100		<b>3.26</b>	2.500	0.6178	105.7	75	125	09/11/2023
Silicon	*	0.0500	B	<b>7.07</b>	0.5000	6.530	107.5	75	125	09/11/2023
Sodium		0.0500		<b>47.5</b>	2.500	44.90	104.8	75	125	09/11/2023



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23081489

Client Project: KIN-23Q3

Report Date: 13-Oct-23

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

Batch 211778		SampType: MSD		Units mg/L				RPD Limit 20			
SampID: 23081489-022CMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Calcium		0.100		<b>113</b>	2.500	111.3	85.2	114.6	1.10	09/11/2023	
Magnesium		0.0500		<b>57.8</b>	2.500	55.08	108.3	57.85	0.11	09/11/2023	
Potassium		0.100		<b>3.27</b>	2.500	0.6178	105.9	3.261	0.13	09/11/2023	
Silicon	*	0.0500	B	<b>7.03</b>	0.5000	6.530	99.8	7.067	0.55	09/11/2023	
Sodium		0.0500		<b>47.3</b>	2.500	44.90	96.8	47.52	0.42	09/11/2023	

Batch 211803		SampType: MBLK		Units mg/L							
SampID: MBLK-211803											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Calcium		0.100		< <b>0.100</b>	0.0350	0	0	-100	100	09/11/2023	
Magnesium		0.0500		< <b>0.0500</b>	0.0055	0	0	-100	100	09/11/2023	
Potassium		0.100		< <b>0.100</b>	0.0400	0	0	-100	100	09/11/2023	
Silicon	*	0.0500		< <b>0.0500</b>	0.0122	0	0	-100	100	09/11/2023	
Sodium		0.0500		< <b>0.0500</b>	0.0180	0	0	-100	100	09/11/2023	

Batch 211803		SampType: LCS		Units mg/L							
SampID: LCS-211803											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Calcium		0.100		<b>2.52</b>	2.500	0	100.9	85	115	09/11/2023	
Magnesium		0.0500		<b>2.47</b>	2.500	0	98.7	85	115	09/11/2023	
Potassium		0.100		<b>2.62</b>	2.500	0	104.8	85	115	09/11/2023	
Silicon	*	0.0500		<b>0.541</b>	0.5000	0	108.1	85	115	09/11/2023	
Sodium		0.0500		<b>2.48</b>	2.500	0	99.2	85	115	09/11/2023	

Batch 211803		SampType: MS		Units mg/L							
SampID: 23081489-031CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Silicon	*	0.0500	S	<b>10.9</b>	0.5000	10.56	74.0	75	125	09/11/2023	

Batch 211803		SampType: MSD		Units mg/L				RPD Limit 20			
SampID: 23081489-031CMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Silicon	*	0.0500		<b>11.1</b>	0.5000	10.56	99.9	10.93	1.18	09/11/2023	



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23081489

Client Project: KIN-23Q3

Report Date: 13-Oct-23

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

Batch 211848		SampType: MBLK		Units mg/L						
SampID: MBLK-211848										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		< 0.0250	0.0125	0	0	-100	100	10/02/2023
Iron		0.0250		< 0.0250	0.0115	0	0	-100	100	10/02/2023
Manganese		0.0020		< 0.0020	0.0008	0	0	-100	100	10/02/2023

Batch 211848		SampType: LCS		Units mg/L						
SampID: LCS-211848										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		1.85	2.000	0	92.6	80	120	10/02/2023
Iron		0.0250		2.03	2.000	0	101.3	80	120	10/02/2023
Manganese		0.0020		0.474	0.5000	0	94.8	80	120	10/02/2023

Batch 211848		SampType: MS		Units mg/L						
SampID: 23081489-006DMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		3.29	4.000	0	82.3	75	125	10/02/2023
Iron		0.0250		3.61	4.000	0.01197	90.0	75	125	10/02/2023
Manganese		0.0020		0.873	1.000	0.008274	86.5	75	125	10/02/2023

Batch 211848		SampType: MSD		Units mg/L							RPD Limit 20
SampID: 23081489-006DMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Aluminum		0.0250		3.30	4.000	0	82.4	3.290	0.16	10/02/2023	
Iron		0.0250		3.42	4.000	0.01197	85.3	3.614	5.39	10/02/2023	
Manganese		0.0020		0.882	1.000	0.008274	87.4	0.8731	1.04	10/02/2023	

Batch 211848		SampType: MS		Units mg/L						
SampID: 23081489-023DMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		3.27	4.000	0	81.7	75	125	10/02/2023
Iron		0.0250		6.95	4.000	3.733	80.5	75	125	10/05/2023
Manganese		0.0020		1.47	1.000	0.6276	83.8	75	125	10/04/2023



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23081489

Client Project: KIN-23Q3

Report Date: 13-Oct-23

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

Batch 211848		SampType: MSD		Units mg/L			RPD Limit 20			
SampID: 23081489-023DMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		0.0250		<b>3.35</b>	4.000	0	83.8	3.268	2.55	10/02/2023
Iron		0.0250		<b>6.81</b>	4.000	3.733	76.8	6.952	2.12	10/05/2023
Manganese		0.0020		<b>1.49</b>	1.000	0.6276	86.6	1.466	1.85	10/04/2023

Batch 211851		SampType: MBLK		Units mg/L						
SampID: MBLK-211851										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		< <b>0.0250</b>	0.0125	0	0	-100	100	10/02/2023
Antimony		0.0010		< <b>0.0010</b>	0.0004	0	0	-100	100	10/02/2023
Arsenic		0.0010		< <b>0.0010</b>	0.0004	0	0	-100	100	10/02/2023
Barium		0.0010		< <b>0.0010</b>	0.0007	0	0	-100	100	10/02/2023
Beryllium		0.0010		< <b>0.0010</b>	0.0002	0	0	-100	100	10/02/2023
Boron		0.0250		< <b>0.0250</b>	0.0093	0	0	-100	100	10/02/2023
Cadmium		0.0010		< <b>0.0010</b>	0.0001	0	0	-100	100	10/02/2023
Chromium		0.0015		< <b>0.0015</b>	0.0007	0	0	-100	100	10/02/2023
Cobalt		0.0010		< <b>0.0010</b>	0.0001	0	0	-100	100	10/02/2023
Iron		0.0250		< <b>0.0250</b>	0.0115	0	0	-100	100	10/02/2023
Lead		0.0010		< <b>0.0010</b>	0.0006	0	0	-100	100	10/02/2023
Lithium	*	0.0030		< <b>0.0030</b>	0.0015	0	0	-100	100	10/02/2023
Manganese		0.0020		< <b>0.0020</b>	0.0008	0	0	-100	100	10/02/2023
Molybdenum	*	0.0015		< <b>0.0015</b>	0.0006	0	0	-100	100	10/02/2023
Selenium		0.0010		< <b>0.0010</b>	0.0006	0	0	-100	100	10/02/2023
Thallium		0.0020		< <b>0.0020</b>	0.0010	0	0	-100	100	10/02/2023



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23081489

Client Project: KIN-23Q3

Report Date: 13-Oct-23

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

Batch 211851      SampType: LCS      Units mg/L

SampID: LCS-211851

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		1.62	2.000	0	81.2	80	120	10/02/2023
Antimony		0.0010		0.490	0.5000	0	98.0	80	120	10/02/2023
Arsenic		0.0010		0.465	0.5000	0	93.0	80	120	10/03/2023
Barium		0.0010		1.84	2.000	0	92.2	80	120	10/02/2023
Beryllium		0.0010		0.0443	0.0500	0	88.5	80	120	10/03/2023
Boron		0.0250		0.419	0.5000	0	83.8	80	120	10/02/2023
Cadmium		0.0010		0.0457	0.0500	0	91.3	80	120	10/02/2023
Chromium		0.0015		0.183	0.2000	0	91.4	80	120	10/02/2023
Cobalt		0.0010		0.469	0.5000	0	93.7	80	120	10/02/2023
Iron		0.0250		1.94	2.000	0	97.0	80	120	10/02/2023
Lead		0.0010		0.460	0.5000	0	92.0	80	120	10/02/2023
Lithium	*	0.0030		0.458	0.5000	0	91.7	80	120	10/03/2023
Manganese		0.0020		0.453	0.5000	0	90.5	80	120	10/02/2023
Molybdenum	*	0.0015		0.452	0.5000	0	90.4	80	120	10/02/2023
Selenium		0.0010		0.412	0.5000	0	82.4	80	120	10/02/2023
Thallium		0.0020		0.233	0.2500	0	93.1	80	120	10/02/2023

Batch 211851      SampType: MS      Units mg/L

SampID: 23081489-034DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		3.27	4.000	0.04361	80.7	75	125	10/06/2023
Antimony		0.0010		0.807	1.000	0	80.7	75	125	10/03/2023
Arsenic		0.0010		0.856	1.000	0	85.6	75	125	10/03/2023
Barium		0.0010		3.42	4.000	0	85.4	75	125	10/03/2023
Beryllium		0.0010		0.0802	0.1000	0	80.2	75	125	10/03/2023
Boron		0.0250		0.844	1.000	0	84.4	75	125	10/03/2023
Cadmium		0.0010		0.0881	0.1000	0	88.1	75	125	10/03/2023
Chromium		0.0015		0.323	0.4000	0	80.8	75	125	10/03/2023
Cobalt		0.0010		0.800	1.000	0	80.0	75	125	10/03/2023
Iron		0.0250		3.31	4.000	0.1622	78.7	75	125	10/05/2023
Lead		0.0010		0.813	1.000	0	81.3	75	125	10/03/2023
Lithium	*	0.0030		0.826	1.000	0	82.6	75	125	10/03/2023
Manganese		0.0020		0.804	1.000	0.002753	80.2	75	125	10/03/2023
Molybdenum	*	0.0015		0.821	1.000	0	82.1	75	125	10/03/2023
Selenium		0.0010		0.816	1.000	0	81.6	75	125	10/03/2023
Thallium		0.0020		0.404	0.5000	0	80.8	75	125	10/03/2023



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23081489

Client Project: KIN-23Q3

Report Date: 13-Oct-23

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

Batch 211851		SampType: MSD		Units mg/L				RPD Limit 20		
SampID: 23081489-034DMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		0.0250		<b>3.24</b>	4.000	0.04361	80.0	3.273	0.90	10/06/2023
Antimony		0.0010		<b>0.805</b>	1.000	0	80.5	0.8075	0.37	10/03/2023
Arsenic		0.0010		<b>0.828</b>	1.000	0	82.8	0.8559	3.28	10/03/2023
Barium		0.0010		<b>3.38</b>	4.000	0	84.6	3.416	0.97	10/03/2023
Beryllium		0.0010		<b>0.0795</b>	0.1000	0	79.5	0.08016	0.79	10/03/2023
Boron		0.0250		<b>0.841</b>	1.000	0	84.1	0.8440	0.36	10/03/2023
Cadmium		0.0010		<b>0.0870</b>	0.1000	0	87.0	0.08810	1.24	10/03/2023
Chromium		0.0015		<b>0.317</b>	0.4000	0	79.3	0.3231	1.80	10/03/2023
Cobalt		0.0010		<b>0.779</b>	1.000	0	77.9	0.8003	2.67	10/03/2023
Iron		0.0250		<b>3.18</b>	4.000	0.1622	75.4	3.311	4.16	10/05/2023
Lead		0.0010		<b>0.840</b>	1.000	0	84.0	0.8132	3.21	10/03/2023
Lithium	*	0.0030		<b>0.836</b>	1.000	0	83.6	0.8259	1.22	10/03/2023
Manganese		0.0020		<b>0.797</b>	1.000	0.002753	79.4	0.8045	0.96	10/03/2023
Molybdenum	*	0.0015		<b>0.824</b>	1.000	0	82.4	0.8206	0.45	10/03/2023
Selenium		0.0010		<b>0.799</b>	1.000	0	79.9	0.8161	2.15	10/03/2023
Thallium		0.0020		<b>0.409</b>	0.5000	0	81.8	0.4038	1.28	10/03/2023





## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23081489

Client Project: KIN-23Q3

Report Date: 13-Oct-23

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

Batch 211734    SampType: MBLK    Units mg/L

SampID: MBLK-211734

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		< 0.0250	0.0125	0	0	-100	100	09/26/2023
Antimony		0.0010		< 0.0010	0.0004	0	0	-100	100	09/20/2023
Arsenic		0.0010		< 0.0010	0.0004	0	0	-100	100	09/20/2023
Barium		0.0010		< 0.0010	0.0007	0	0	-100	100	09/20/2023
Beryllium		0.0010		< 0.0010	0.0002	0	0	-100	100	09/20/2023
Boron	*	0.0250		< 0.0250	0.0093	0	0	-100	100	09/29/2023
Cadmium		0.0010		< 0.0010	0.0001	0	0	-100	100	09/20/2023
Chromium		0.0015		< 0.0015	0.0007	0	0	-100	100	09/20/2023
Cobalt		0.0010		< 0.0010	0.0001	0	0	-100	100	09/20/2023
Copper		0.0010		< 0.0010	0.0003	0	0	-100	100	09/20/2023
Iron		0.0250		< 0.0250	0.0115	0	0	-100	100	09/26/2023
Lead		0.0010		< 0.0010	0.0006	0	0	-100	100	09/20/2023
Lithium	*	0.0030		< 0.0030	0.0015	0	0	-100	100	09/20/2023
Manganese		0.0020		< 0.0020	0.0008	0	0	-100	100	09/20/2023
Molybdenum	*	0.0015		< 0.0015	0.0006	0	0	-100	100	09/21/2023
Nickel		0.0010		< 0.0010	0.0004	0	0	-100	100	09/20/2023
Selenium		0.0010		< 0.0010	0.0006	0	0	-100	100	09/20/2023
Silver		0.0010		< 0.0010	0.0001	0	0	-100	100	09/20/2023
Thallium		0.0020		< 0.0020	0.0010	0	0	-100	100	09/20/2023
Vanadium		0.0050		< 0.0050	0.0028	0	0	-100	100	09/20/2023
Zinc		0.0150		< 0.0150	0.0059	0	0	-100	100	09/22/2023



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23081489

Client Project: KIN-23Q3

Report Date: 13-Oct-23

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

Batch 211734    SampType: LCS    Units mg/L  
 SampID: LCS-211734

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		<b>2.04</b>	2.000	0	102.1	80	120	09/26/2023
Antimony		0.0010		<b>0.510</b>	0.5000	0	102.1	85	115	09/20/2023
Arsenic		0.0010		<b>0.497</b>	0.5000	0	99.5	85	115	09/20/2023
Barium		0.0010		<b>2.03</b>	2.000	0	101.6	85	115	09/21/2023
Beryllium		0.0010		<b>0.0485</b>	0.0500	0	97.0	85	115	09/20/2023
Boron	*	0.0250		<b>0.522</b>	0.5000	0	104.4	85	115	09/29/2023
Cadmium		0.0010		<b>0.0498</b>	0.0500	0	99.5	85	115	09/20/2023
Chromium		0.0015		<b>0.204</b>	0.2000	0	101.8	85	115	09/20/2023
Cobalt		0.0010		<b>0.488</b>	0.5000	0	97.6	85	115	09/20/2023
Copper		0.0010		<b>0.222</b>	0.2500	0	88.6	85	115	09/20/2023
Iron		0.0250		<b>2.30</b>	2.000	0	114.8	80	120	09/26/2023
Lead		0.0010		<b>0.569</b>	0.5000	0	113.9	85	115	09/20/2023
Lithium	*	0.0030		<b>0.509</b>	0.5000	0	101.8	85	115	09/20/2023
Manganese		0.0020		<b>0.495</b>	0.5000	0	99.1	85	115	09/20/2023
Molybdenum	*	0.0015		<b>0.498</b>	0.5000	0	99.6	85	115	09/21/2023
Nickel		0.0010		<b>0.500</b>	0.5000	0	99.9	85	115	09/20/2023
Selenium		0.0010		<b>0.451</b>	0.5000	0	90.1	85	115	09/20/2023
Silver		0.0010		<b>0.0552</b>	0.0500	0	110.3	85	115	09/20/2023
Thallium		0.0020		<b>0.227</b>	0.2500	0	90.7	85	115	09/20/2023
Vanadium		0.0050		<b>0.510</b>	0.5000	0	101.9	85	115	09/21/2023
Zinc		0.0150		<b>0.497</b>	0.5000	0	99.3	85	115	09/22/2023



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23081489

Client Project: KIN-23Q3

Report Date: 13-Oct-23

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

Batch 211734      SampType: MS      Units mg/L

SampID: 23081489-004BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		<b>0.465</b>	0.5000	0	93.1	75	125	09/21/2023
Arsenic		0.0010		<b>0.508</b>	0.5000	0	101.6	75	125	09/21/2023
Barium		0.0010		<b>2.23</b>	2.000	0.1373	104.5	75	125	09/21/2023
Beryllium		0.0010		<b>0.0460</b>	0.0500	0	92.1	75	125	09/21/2023
Boron		0.0250		<b>1.11</b>	0.5000	0.5307	116.1	75	125	09/29/2023
Cadmium		0.0010		<b>0.0559</b>	0.0500	0	111.7	75	125	09/21/2023
Chromium		0.0015		<b>0.196</b>	0.2000	0	97.8	75	125	09/21/2023
Cobalt		0.0010		<b>0.485</b>	0.5000	0	96.9	75	125	09/21/2023
Copper		0.0010		<b>0.249</b>	0.2500	0.0007018	99.4	75	125	09/21/2023
Iron		0.0250		<b>2.65</b>	2.000	0.4277	111.2	75	125	09/26/2023
Lead		0.0010		<b>0.497</b>	0.5000	0	99.4	75	125	09/21/2023
Manganese		0.0020		<b>0.746</b>	0.5000	0.2492	99.4	75	125	09/21/2023
Nickel		0.0010		<b>0.481</b>	0.5000	0	96.3	75	125	09/21/2023
Selenium		0.0010		<b>0.438</b>	0.5000	0	87.6	75	125	09/21/2023
Silver		0.0010		<b>0.0584</b>	0.0500	0	116.9	75	125	09/21/2023
Thallium		0.0020		<b>0.256</b>	0.2500	0	102.6	75	125	09/21/2023
Vanadium		0.0050		<b>0.509</b>	0.5000	0	101.8	75	125	09/21/2023
Zinc		0.0150		<b>0.481</b>	0.5000	0	96.1	75	125	09/22/2023



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23081489

Client Project: KIN-23Q3

Report Date: 13-Oct-23

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

Batch 211734		SampType: MSD		Units mg/L				RPD Limit 20			Date Analyzed
SampID: 23081489-004BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Antimony		0.0010		<b>0.466</b>	0.5000	0	93.1	0.4654	0.03	09/21/2023	
Arsenic		0.0010		<b>0.507</b>	0.5000	0	101.4	0.5078	0.14	09/21/2023	
Barium		0.0010		<b>2.19</b>	2.000	0.1373	102.6	2.227	1.73	09/21/2023	
Beryllium		0.0010		<b>0.0450</b>	0.0500	0	90.1	0.04603	2.16	09/21/2023	
Boron		0.0250		<b>1.07</b>	0.5000	0.5307	108.3	1.111	3.54	09/29/2023	
Cadmium		0.0010		<b>0.0560</b>	0.0500	0	112.1	0.05586	0.33	09/21/2023	
Chromium		0.0015		<b>0.190</b>	0.2000	0	95.2	0.1956	2.71	09/21/2023	
Cobalt		0.0010		<b>0.480</b>	0.5000	0	96.1	0.4847	0.88	09/21/2023	
Copper		0.0010		<b>0.249</b>	0.2500	0.0007018	99.2	0.2493	0.24	09/21/2023	
Iron		0.0250		<b>2.74</b>	2.000	0.4277	115.7	2.651	3.38	09/26/2023	
Lead		0.0010		<b>0.492</b>	0.5000	0	98.4	0.4969	0.94	09/21/2023	
Manganese		0.0020		<b>0.719</b>	0.5000	0.2492	94.0	0.7462	3.68	09/21/2023	
Nickel		0.0010		<b>0.472</b>	0.5000	0	94.4	0.4814	1.94	09/21/2023	
Selenium		0.0010		<b>0.441</b>	0.5000	0	88.1	0.4382	0.56	09/21/2023	
Silver		0.0010		<b>0.0566</b>	0.0500	0	113.3	0.05843	3.11	09/21/2023	
Thallium		0.0020		<b>0.250</b>	0.2500	0	100.1	0.2565	2.42	09/21/2023	
Vanadium		0.0050		<b>0.514</b>	0.5000	0	102.8	0.5089	0.98	09/21/2023	
Zinc		0.0150		<b>0.511</b>	0.5000	0	102.3	0.4807	6.17	09/22/2023	



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23081489

Client Project: KIN-23Q3

Report Date: 13-Oct-23

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

Batch 211778    SampType: MBLK    Units mg/L

SampID: MBLK-211778

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		< 0.0250	0.0125	0	0	-100	100	09/22/2023
Antimony		0.0010		< 0.0010	0.0004	0	0	-100	100	09/20/2023
Arsenic		0.0010		< 0.0010	0.0004	0	0	-100	100	09/20/2023
Barium		0.0010		< 0.0010	0.0007	0	0	-100	100	09/21/2023
Beryllium		0.0010		< 0.0010	0.0002	0	0	-100	100	09/21/2023
Boron		0.0250		< 0.0250	0.0093	0	0	-100	100	09/29/2023
Cadmium		0.0010		< 0.0010	0.0001	0	0	-100	100	09/20/2023
Chromium		0.0015		< 0.0015	0.0007	0	0	-100	100	09/21/2023
Cobalt		0.0010		< 0.0010	0.0001	0	0	-100	100	09/21/2023
Copper		0.0010		< 0.0010	0.0003	0	0	-100	100	09/20/2023
Iron		0.0250		< 0.0250	0.0115	0	0	-100	100	09/29/2023
Iron		0.0250		< 0.0250	0.0115	0	0	-100	100	09/25/2023
Lead		0.0010		< 0.0010	0.0006	0	0	-100	100	09/20/2023
Lithium	*	0.0030		< 0.0030	0.0015	0	0	-100	100	09/21/2023
Manganese		0.0020		< 0.0020	0.0008	0	0	-100	100	09/21/2023
Molybdenum	*	0.0015		< 0.0015	0.0006	0	0	-100	100	09/21/2023
Nickel		0.0010		< 0.0010	0.0004	0	0	-100	100	09/20/2023
Selenium		0.0010		< 0.0010	0.0006	0	0	-100	100	09/20/2023
Silver		0.0010		< 0.0010	0.0001	0	0	-100	100	09/21/2023
Thallium		0.0020		< 0.0020	0.0010	0	0	-100	100	09/20/2023
Vanadium		0.0050		< 0.0050	0.0028	0	0	-100	100	09/21/2023
Zinc		0.0150		< 0.0150	0.0059	0	0	-100	100	09/21/2023



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23081489

Client Project: KIN-23Q3

Report Date: 13-Oct-23

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

Batch 211778    SampType: LCS    Units mg/L  
 SampID: LCS-211778

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		<b>1.82</b>	2.000	0	90.8	85	115	09/22/2023
Antimony		0.0010		<b>0.465</b>	0.5000	0	93.0	85	115	09/20/2023
Arsenic		0.0010		<b>0.508</b>	0.5000	0	101.7	85	115	09/20/2023
Barium		0.0010		<b>2.03</b>	2.000	0	101.3	85	115	09/21/2023
Beryllium		0.0010		<b>0.0460</b>	0.0500	0	91.9	85	115	09/21/2023
Boron		0.0250		<b>0.535</b>	0.5000	0	106.9	80	120	09/29/2023
Cadmium		0.0010		<b>0.0442</b>	0.0500	0	88.4	85	115	09/20/2023
Chromium		0.0015		<b>0.197</b>	0.2000	0	98.4	85	115	09/21/2023
Cobalt		0.0010		<b>0.491</b>	0.5000	0	98.2	85	115	09/21/2023
Copper		0.0010		<b>0.221</b>	0.2500	0	88.4	85	115	09/20/2023
Iron		0.0250		<b>2.11</b>	2.000	0	105.6	80	120	09/29/2023
Lead		0.0010		<b>0.509</b>	0.5000	0	101.9	85	115	09/20/2023
Lithium	*	0.0030		<b>0.484</b>	0.5000	0	96.9	85	115	09/21/2023
Manganese		0.0020		<b>0.483</b>	0.5000	0	96.6	85	115	09/21/2023
Molybdenum	*	0.0015		<b>0.523</b>	0.5000	0	104.5	85	115	09/21/2023
Nickel		0.0010		<b>0.488</b>	0.5000	0	97.6	85	115	09/20/2023
Selenium		0.0010		<b>0.458</b>	0.5000	0	91.6	85	115	09/20/2023
Silver		0.0010		<b>0.0568</b>	0.0500	0	113.7	85	115	09/21/2023
Thallium		0.0020		<b>0.215</b>	0.2500	0	86.2	85	115	09/20/2023
Vanadium		0.0050		<b>0.525</b>	0.5000	0	105.0	85	115	09/21/2023
Zinc		0.0150		<b>0.517</b>	0.5000	0	103.4	85	115	09/21/2023



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23081489

Client Project: KIN-23Q3

Report Date: 13-Oct-23

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

Batch 211778      SampType: MS      Units mg/L

SampID: 23081489-022CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		<b>2.05</b>	2.000	0.05799	99.6	75	125	09/26/2023
Antimony		0.0010		<b>0.472</b>	0.5000	0	94.4	75	125	09/21/2023
Arsenic		0.0010		<b>0.514</b>	0.5000	0.006811	101.4	75	125	09/21/2023
Barium		0.0010		<b>2.20</b>	2.000	0.1639	101.7	75	125	09/21/2023
Beryllium		0.0010		<b>0.0429</b>	0.0500	0	85.9	75	125	09/21/2023
Boron		0.0250		<b>1.71</b>	0.5000	1.204	101.8	75	125	09/29/2023
Cadmium		0.0010		<b>0.0568</b>	0.0500	0	113.6	75	125	09/21/2023
Chromium		0.0015		<b>0.197</b>	0.2000	0	98.3	75	125	09/21/2023
Cobalt		0.0010		<b>0.464</b>	0.5000	0.002146	92.4	75	125	09/21/2023
Iron		0.0250		<b>9.43</b>	2.000	7.861	78.7	75	125	09/29/2023
Lead		0.0010		<b>0.477</b>	0.5000	0	95.3	75	125	09/21/2023
Lithium	*	0.0030		<b>0.463</b>	0.5000	0	92.5	75	125	09/21/2023
Manganese		0.0020		<b>3.52</b>	0.5000	3.041	95.5	75	125	09/21/2023
Molybdenum	*	0.0015		<b>0.536</b>	0.5000	0.002184	106.7	75	125	09/22/2023
Selenium		0.0010		<b>0.456</b>	0.5000	0	91.1	75	125	09/21/2023
Thallium		0.0020		<b>0.237</b>	0.2500	0	94.9	75	125	09/21/2023

Batch 211778      SampType: MSD      Units mg/L

RPD Limit 20

SampID: 23081489-022CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		0.0250		<b>2.10</b>	2.000	0.05799	102.1	2.049	2.48	09/26/2023
Antimony		0.0010		<b>0.471</b>	0.5000	0	94.2	0.4718	0.16	09/21/2023
Arsenic		0.0010		<b>0.518</b>	0.5000	0.006811	102.2	0.5138	0.77	09/21/2023
Barium		0.0010		<b>2.13</b>	2.000	0.1639	98.3	2.197	3.10	09/21/2023
Beryllium		0.0010		<b>0.0441</b>	0.0500	0	88.3	0.04293	2.76	09/21/2023
Boron		0.0250		<b>1.74</b>	0.5000	1.204	106.4	1.713	1.31	09/29/2023
Cadmium		0.0010		<b>0.0558</b>	0.0500	0	111.6	0.05680	1.75	09/21/2023
Chromium		0.0015		<b>0.202</b>	0.2000	0	100.9	0.1965	2.63	09/21/2023
Cobalt		0.0010		<b>0.469</b>	0.5000	0.002146	93.4	0.4643	1.03	09/21/2023
Iron		0.0250		<b>9.50</b>	2.000	7.861	82.2	9.434	0.74	09/29/2023
Lead		0.0010		<b>0.474</b>	0.5000	0	94.7	0.4765	0.61	09/21/2023
Lithium	*	0.0030		<b>0.467</b>	0.5000	0	93.5	0.4626	0.99	09/21/2023
Manganese		0.0020		<b>3.55</b>	0.5000	3.041	101.8	3.519	0.90	09/21/2023
Molybdenum	*	0.0015		<b>0.514</b>	0.5000	0.002184	102.4	0.5359	4.13	09/22/2023
Selenium		0.0010		<b>0.452</b>	0.5000	0	90.4	0.4556	0.78	09/21/2023
Thallium		0.0020		<b>0.238</b>	0.2500	0	95.4	0.2372	0.52	09/21/2023



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23081489

Client Project: KIN-23Q3

Report Date: 13-Oct-23

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

Batch 211803      SampType: MBLK      Units mg/L

SampID: MBLK-211803

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		< 0.0250	0.0125	0	0	-100	100	09/29/2023
Aluminum		0.0250	S	0.0617	0.0125	0	493.9	-100	100	09/22/2023
Antimony		0.0010		< 0.0010	0.0004	0	0	-100	100	09/20/2023
Arsenic		0.0010		< 0.0010	0.0004	0	0	-100	100	09/20/2023
Barium		0.0010		< 0.0010	0.0007	0	0	-100	100	09/20/2023
Beryllium		0.0010		< 0.0010	0.0002	0	0	-100	100	09/20/2023
Boron		0.0250		< 0.0250	0.0093	0	0	-100	100	09/22/2023
Cadmium		0.0010		< 0.0010	0.0001	0	0	-100	100	09/20/2023
Chromium		0.0015		< 0.0015	0.0007	0	0	-100	100	09/20/2023
Cobalt		0.0010		< 0.0010	0.0001	0	0	-100	100	09/20/2023
Copper		0.0010		< 0.0010	0.0003	0	0	-100	100	09/29/2023
Copper		0.0010	S	0.0035	0.0003	0	1156	-100	100	09/22/2023
Iron		0.0250		< 0.0250	0.0115	0	0	-100	100	09/29/2023
Lead		0.0010		< 0.0010	0.0006	0	0	-100	100	09/20/2023
Lithium	*	0.0030		< 0.0030	0.0015	0	0	-100	100	09/20/2023
Manganese		0.0020		< 0.0020	0.0008	0	0	-100	100	09/20/2023
Molybdenum	*	0.0015		< 0.0015	0.0006	0	0	-100	100	09/21/2023
Nickel		0.0010		< 0.0010	0.0004	0	0	-100	100	09/20/2023
Selenium		0.0010		< 0.0010	0.0006	0	0	-100	100	09/20/2023
Silver		0.0010		< 0.0010	0.0001	0	0	-100	100	09/20/2023
Thallium		0.0020		< 0.0020	0.0010	0	0	-100	100	09/20/2023
Vanadium		0.0050		< 0.0050	0.0028	0	0	-100	100	09/20/2023
Zinc		0.0150		< 0.0150	0.0059	0	0	-100	100	09/22/2023





## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23081489

Client Project: KIN-23Q3

Report Date: 13-Oct-23

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

**Batch 211803**      **SampType: LCS**      Units mg/L

SampID: LCS-211803

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250	B	<b>1.96</b>	2.000	0	97.8	80	120	09/22/2023
Antimony		0.0010		<b>0.472</b>	0.5000	0	94.4	80	120	09/20/2023
Arsenic		0.0010		<b>0.510</b>	0.5000	0	101.9	80	120	09/20/2023
Barium		0.0010		<b>2.03</b>	2.000	0	101.6	80	120	09/22/2023
Beryllium		0.0010		<b>0.0451</b>	0.0500	0	90.2	80	120	09/20/2023
Boron		0.0250		<b>0.526</b>	0.5000	0	105.2	80	120	09/22/2023
Cadmium		0.0010		<b>0.0575</b>	0.0500	0	115.0	80	120	09/20/2023
Chromium		0.0015		<b>0.200</b>	0.2000	0	99.9	80	120	09/20/2023
Cobalt		0.0010		<b>0.504</b>	0.5000	0	100.7	80	120	09/20/2023
Copper		0.0010	B	<b>0.253</b>	0.2500	0	101.4	80	120	09/22/2023
Iron		0.0250		<b>1.96</b>	2.000	0	98.1	80	120	10/04/2023
Lead		0.0010		<b>0.499</b>	0.5000	0	99.8	80	120	09/20/2023
Lithium	*	0.0030		<b>0.497</b>	0.5000	0	99.4	80	120	09/20/2023
Manganese		0.0020		<b>0.501</b>	0.5000	0	100.3	80	120	09/20/2023
Molybdenum	*	0.0015		<b>0.506</b>	0.5000	0	101.3	80	120	09/21/2023
Molybdenum	*	0.0015		<b>0.487</b>	0.5000	0	97.4	80	120	09/22/2023
Nickel		0.0010		<b>0.509</b>	0.5000	0	101.8	80	120	09/20/2023
Selenium		0.0010		<b>0.455</b>	0.5000	0	91.0	80	120	09/20/2023
Silver		0.0010		<b>0.0580</b>	0.0500	0	115.9	80	120	09/20/2023
Thallium		0.0020		<b>0.252</b>	0.2500	0	100.8	80	120	09/20/2023
Zinc		0.0150		<b>0.485</b>	0.5000	0	97.0	80	120	09/22/2023

**Batch 211803**      **SampType: MS**      Units mg/L

SampID: 23081489-031CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		<b>1.76</b>	2.000	0.02220	87.0	75	125	09/29/2023
Iron		0.100	S	<b>42.0</b>	2.000	37.45	226.5	75	125	10/02/2023
Manganese		0.0020		<b>0.662</b>	0.5000	0.1960	93.1	75	125	09/20/2023

**Batch 211803**      **SampType: MSD**      Units mg/L

RPD Limit 20

SampID: 23081489-031CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		0.0250		<b>1.79</b>	2.000	0.02220	88.4	1.763	1.58	09/29/2023
Iron		0.100	SRE	<b>62.7</b>	2.000	37.45	1263	41.98	39.62	10/02/2023
Manganese		0.0020		<b>0.665</b>	0.5000	0.1960	93.9	0.6616	0.57	09/20/2023



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23081489

Client Project: KIN-23Q3

Report Date: 13-Oct-23

### SW-846 7470A (TOTAL)

Batch 211828		SampType: MBLK		Units mg/L							
SampID: MBLK-211828											
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	09/09/2023	

Batch 211828		SampType: LCS		Units mg/L							
SampID: LCS-211828											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.00020		0.00493	0.0050	0	98.7	85	115	09/09/2023	

Batch 211828		SampType: MS		Units mg/L							
SampID: 23081489-003CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.00020		0.00518	0.0050	0	103.6	75	125	09/09/2023	

Batch 211828		SampType: MSD		Units mg/L						RPD Limit 15		Date Analyzed
SampID: 23081489-003CMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Mercury		0.00020		0.00536	0.0050	0	107.2	0.005182	3.36	09/09/2023		

Batch 211858		SampType: MBLK		Units mg/L							
SampID: MBLK-211858											
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	09/12/2023	

Batch 211858		SampType: LCS		Units mg/L							
SampID: LCS-211858											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.00020		0.00475	0.0050	0	95.1	85	115	09/12/2023	

Batch 211858		SampType: MS		Units mg/L							
SampID: 23081489-014CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.00020		0.00431	0.0050	0	86.2	75	125	09/12/2023	

Batch 211858		SampType: MSD		Units mg/L						RPD Limit 15		Date Analyzed
SampID: 23081489-014CMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Mercury		0.00020		0.00455	0.0050	0	91.0	0.004308	5.49	09/12/2023		



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23081489

Client Project: KIN-23Q3

Report Date: 13-Oct-23

### SW-846 7470A (TOTAL)

Batch 211858		SampType: MS		Units mg/L							Date Analyzed
SampID: 23081489-025CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.00020		<b>0.00432</b>	0.0050	0	86.4	75	125	09/12/2023	

Batch 211858		SampType: MSD		Units mg/L							RPD Limit 15	Date Analyzed
SampID: 23081489-025CMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Mercury		0.00020		<b>0.00422</b>	0.0050	0	84.4	0.004320	2.38	09/12/2023		



# Receiving Check List

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23081489

Client Project: KIN-23Q3

Report Date: 13-Oct-23

Carrier: Justin Colp

Received By: MBP

Completed by:

*Amber Dilallo*

Reviewed by:

*Ellie Hopkins*

On:

06-Sep-23

Amber Dilallo

On:

11-Sep-23

Ellie Hopkins

Pages to follow: Chain of custody

Extra pages included

- |   |   |   |                                      |                                  |
|---|---|---|--------------------------------------|----------------------------------|
| Shipping container/cooler in good condition?            | Yes <input checked="" type="checkbox"/>   | No <input type="checkbox"/>             | Not Present <input type="checkbox"/> | Temp °C <b>4.0</b>               |
| Type of thermal preservation?                           | None <input type="checkbox"/>             | Ice <input checked="" type="checkbox"/> | Blue Ice <input type="checkbox"/>    | Dry Ice <input type="checkbox"/> |
| Chain of custody present?                               | Yes <input checked="" type="checkbox"/>   | No <input type="checkbox"/>             |                                      |                                  |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/>   | No <input type="checkbox"/>             |                                      |                                  |
| Chain of custody agrees with sample labels?             | Yes <input checked="" type="checkbox"/>   | No <input type="checkbox"/>             |                                      |                                  |
| Samples in proper container/bottle?                     | Yes <input checked="" type="checkbox"/>   | No <input type="checkbox"/>             |                                      |                                  |
| Sample containers intact?                               | Yes <input checked="" type="checkbox"/>   | No <input type="checkbox"/>             |                                      |                                  |
| Sufficient sample volume for indicated test?            | Yes <input checked="" type="checkbox"/>   | No <input type="checkbox"/>             |                                      |                                  |
| All samples received within holding time?               | Yes <input checked="" type="checkbox"/>   | No <input type="checkbox"/>             |                                      |                                  |
| Reported field parameters measured:                     | Field <input checked="" type="checkbox"/> | Lab <input type="checkbox"/>            | NA <input type="checkbox"/>          |                                  |
| Container/Temp Blank temperature in compliance?         | Yes <input checked="" type="checkbox"/>   | No <input type="checkbox"/>             |                                      |                                  |

*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 <input type="checkbox"/> | No <input type="checkbox"/>            | No VOA vials <input checked="" type="checkbox"/>      |
| Water - TOX containers have zero headspace?               | Yes <input type="checkbox"/> | No <input type="checkbox"/>            | No TOX containers <input checked="" type="checkbox"/> |
| Water - pH acceptable upon receipt?                       | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | NA <input type="checkbox"/>                           |
| NPDES/CWA TCN interferences checked/treated in the field? | Yes <input type="checkbox"/> | No <input type="checkbox"/>            | NA <input checked="" type="checkbox"/>                |

**Any No responses must be detailed below or on the COC.**

pH strip #79929/90719. - amberdilallo - 9/6/2023 8:34:47 AM

Additional Nitric Acid (92447) was needed in MW5, MW30, MW31, MW31S and MW32 upon arrival at the laboratory. Additional Sodium Hydroxide (81662) was needed in MW5 and MW6 upon arrival at the laboratory. Additional Sulfuric Acid (90128) was needed in MW20 and MW31 upon arrival at the laboratory. - amberdilallo - 9/7/2023 12:49:55 PM

pH strip #90719. - amberdilallo - 9/7/2023 12:50:53 PM

Samples collected on 9/6/23 were delivered to the laboratory on 9/6/23 at 1605 (on ice - 8.4C - LTG#1). pH strip #90719/79929 - AMD/ERH 9/7/23

Additional Nitric Acid (92447) was needed in MW12, XPW03-pore and MW08 Dup upon arrival at the laboratory. Additional Sodium Hydroxide (81662) was needed in MW7, MW8, MW12 and MW08 Dup upon arrival at the laboratory. - amberdilallo - 9/8/2023 9:00:32 AM

Samples collected on 9/7/23 were delivered to the laboratory on 9/7/23 at 1530 (on ice - 11.0C - LTG#1). pH strip #90719- AMD/ERH 9/7/23

## CHAIN-OF-CUSTODY / Analytical Request Document

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23081489

<b>Section A</b> Required Client Information:		<b>Section B</b> Required Project Information:		<b>Section C</b> Invoice Information:		Page: 1 of 3	
Company: <b>Vistra Corp-Kincaid</b>		Report To: <b>Brian Voelker, Sam Davies</b>		Attention: <b>Brian Voelker, Tim Arnold</b>		<b>REGULATORY AGENCY</b>	
Address: <b>199 IL 104</b>		Copy To: <b>Tim Arnold</b>		Company Name: <b>Vistra Corp</b>			
Kincaid, IL 62540				Address: <b>see Section A</b>		NPDES <b>GROUND WATER</b> DRINKING WATER	
Email To: <b>Brian.Voelker@VistraCorp.com</b> <b>Tim.Arnold@vistracorp.com</b>		Purchase Order No.:		Quote Reference:		UST    RCRA    OTHER	
Phone: (217) 753-8911    Fax:		Project Name:		Project Manager: <b>Liz Hurley</b>		Site Location	
Requested Due Date/TAT: <b>10 day</b>		Project Number:		Profile #:		STATE: <b>IL</b>	

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives										Requested Analysis Filtered (Y/N)				Residual Chlorine (Y/N)	Project No./ Lab I.D.			
							Unpreserved	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	Methanol	Other	Analysis Test ↓	KIN-257-141	KIN-845-141	KIN-620-141	KIN-SUP-000	NPDES			UST	RCRA	OTHER
1	MW-01		9.5.23	1243		2	2	2	2	1															
2	MW-02		↓	1220		2	2	2	2	1															
3	MW-03		↓	1414		2	2	2	2	1															
4	MW-04		↓	1445		3	1	1	1	1															
5	MW-05					7	2	2	2	1															
6	MW-06					7	2	2	2	1															
7	MW-07					7	2	2	2	1															
8	MW-07S					6	2	2	2	1															
9	MW-08					7	2	2	2	1															
10	MW-08S					6	2	2	2	1															
11	MW-09					3	1	1	1	1															
12	MW-10					3	1	1	1	1															
13	MW-11		9.5.23	1309		7	2	2	2	1															
14	MW-12					7	2	2	2	1															
15	MW-12S					0																			
16	MW-12D					0																			

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS		
<b>KIN-23Q3 Rev 1</b>		<b>J. Colp</b>		<b>9-5</b>	<b>1630</b>	<b>Maryann Pardo</b>		<b>9/5/23</b>	<b>1630</b>	<b>4</b>	<b>N</b>	<b>Y</b>

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:	<b>Justin Colp</b>				
SIGNATURE of SAMPLER:	<i>[Signature]</i>	DATE Signed (MM/DD/YYYY):	<b>9-5-23</b>		

Confidential

PH ✓ 79929A07A    LTA  
SM 9/14/23



# CHAIN-OF-CUSTODY / Analytical Request Document

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23081489

<b>Section A</b> Required Client Information:		<b>Section B</b> Required Project Information:		<b>Section C</b> Invoice Information:		Page: 1 of 3		
Company: <b>Vistra Corp-Kincaid</b>		Report To: <b>Brian Voelker, Sam Davies</b>		Attention: <b>Brian Voelker, Tim Arnold</b>		<b>REGULATORY AGENCY</b>		
Address: <b>199 IL 104</b> <b>Kincaid, IL 62540</b>		Copy To: <b>Tim Arnold</b>		Company Name: <b>Vistra Corp</b>				NPDES
Email To: <b>Brian.Voelker@VistraCorp.com</b> <b>Tim.Arnold@vistracorp.com</b>		Purchase Order No.:		Quote Reference:		UST	RCRA	OTHER
Phone: (217) 753-8911 Fax:		Project Name:		Project Manager: <b>Liz Hurley</b>		Site Location		IL
Requested Due Date/TAT: <b>10 day</b>		Project Number:		Profile #:		STATE:		

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	COLLECTED DATE TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives										Requested Analysis Filtered (Y/N)				Residual Chlorine (Y/N)	Project No./ Lab I.D.
						Unpreserved	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	Methanol	Other	Analysis Test							
														KIN-257-141	KIN-845-141	KIN-620-141	KIN-SUP-000				
1	MW-01				7	2	2	2		1											23081489-001
2	MW-02				7	2	2	2		1											002
3	MW-03				7	2	2	2		1											003
4	MW-04				3	1		1		1											004
5	MW-05		4-6-23	1132	7	2	2	2		1											005
6	MW-06		4-6-23	1344	7	2	2	2		1											006
7	MW-07				7	2	2	2		1											007
8	MW-07S				6	2	2	2													008
9	MW-08				7	2	2	2		1											009
10	MW-08S				6	2	2	2													010
11	MW-09				3	1		1		1											011
12	MW-10				3	1		1		1											012
13	MW-11				7	2	2	2		1											013
14	MW-12				7	2	2	2		1											014
15	MW-12S				0																015
16	MW-12D				0																016

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
<b>KIN-23Q3 Rev 1</b>	<b>J. Gelp</b>	<b>4-6</b>	<b>1605</b>	<b>William Peter</b>	<b>4/6/23</b>	<b>1605</b>	<b>8.4 Y N</b>

PH 90719/79929 AC 9/7/23  
 Added HNO3(92447) to MWS, MW30, MW31, MW35, MW38  
 Added NaOH(81622) to MWS, MW6  
 Added H2SO4(90218) to MW20, MW31

<b>SAMPLER NAME AND SIGNATURE</b>			
PRINT Name of SAMPLER: <b>Justin Gelp</b>		DATE Signed (MM/DD/YY): <b>9-6-23</b>	
SIGNATURE of SAMPLER: <i>[Signature]</i>			

LTC1

# CHAIN-OF-CUSTODY / Analytical Request Document

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23081489

<b>Section A</b> Required Client Information:		<b>Section B</b> Required Project Information:		<b>Section C</b> Invoice Information:		<b>REGULATORY AGENCY</b>		
Company: <b>Vistra Corp-Kincaid</b>		Report To: <b>Brian Voelker, Sam Davies</b>		Attention: <b>Brian Voelker, Tim Arnold</b>		NPDES <b>GROUND WATER</b> DRINKING WATER UST      RCRA      OTHER		
Address: <b>199 IL 104</b>		Copy To: <b>Tim Arnold</b>		Company Name: <b>Vistra Corp</b>				
<b>Kincaid, IL 62540</b>				Address: <b>see Section A</b>		Site Location: <b>IL</b> STATE:		
Email To: <b>Brian.Voelker@VistraCorp.com</b> <b>Tim.Arnold@vistracorp.com</b>		Purchase Order No.:		Quote Reference:				
Phone: <b>(217) 753-8911</b> Fax:		Project Name:		Project Manager: <b>Liz Hurley</b>				
Requested Due Date/TAT: <b>10 day</b>		Project Number:		Profile #:				

ITEM #	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 WPE      WP AIR      AR OTHER      OT TISSUE      TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test ↓      ↑	Requested Analysis Filtered (Y/N)				Residual Chlorine (Y/N)	Project No./ Lab I.D.
					DATE	TIME			Unpreserved	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	Methanol	Other		Y/N	Y/N	Y/N	Y/N		
1	MW-20				9-6-23	0945	6	2	2	2											23081489-017		
2	MW-20S				9-6-23	1011	6	2	2	2											018		
3	MW-23						6	2	2	2											019		
4	MW-27						6	2	2	2											020		
5	MW-28				9-6-23	1408	6	2	2	2											021		
6	MW-30					1509	6	2	2	2											022		
7	MW-31					1156	6	2	2	2											023		
8	MW-31SOXKY During Fill					1229	6	2	2	2											024		
9	MW-32					1101	6	2	2	2											025		
10	PZ4A					DRY	4	2		2											026		
11	PZ4C <del>DRY</del> <del>During Fill</del>				↓	DRY	6	2	2	2											027		
12	XPW01-pore						6	2	2	2											028		
13	XPW02-pore						6	2	2	2											029		
14	XPW03-pore						6	2	2	2											030		
15	XPW04-pore						6	2	2	2											031		
16	XSG-01						0														032		

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
<b>KIN-23Q3 Rev 1</b>	<b>J. Colp</b>	<b>9-6</b>	<b>1605</b>	<b>Allyson Peltor</b>	<b>9/6/23</b>	<b>1605</b>	

<b>SAMPLER NAME AND SIGNATURE</b>				Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: <b>Justin Colp</b>							
SIGNATURE of SAMPLER: <i>[Signature]</i>							
DATE Signed (MM/DD/YY): <b>9-6-23</b>							



# CHAIN-OF-CUSTODY / Analytical Request Document

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23081489

<b>Section A</b> Required Client Information:		<b>Section B</b> Required Project Information:		<b>Section C</b> Invoice Information:		Page: 1 of 3
Company: <b>Vistra Corp-Kincaid</b>		Report To: <b>Brian Voelker, Sam Davies</b>		Attention: <b>Brian Voelker, Tim Arnold</b>		<b>REGULATORY AGENCY</b>
Address: <b>199 IL 104</b> <b>Kincaid, IL 62540</b>		Copy To: <b>Tim Arnold</b>		Company Name: <b>Vistra Corp</b>		
Email To: <b>Brian.Voelker@VistraCorp.com</b> <b>Tim.Arnold@vistracorp.com</b>		Purchase Order No.:		Quote Reference:		<b>NPDES      GROUND WATER      DRINKING WATER</b>
Phone: <b>(217) 753-8911</b> Fax:		Project Name:		Project Manager: <b>Liz Hurley</b>		<b>UST      RCRA      OTHER</b>
Requested Due Date/TAT: <b>10 day</b>		Project Number:		Profile #:		<b>Site Location</b> <b>STATE: IL</b>

ITEM #	Section D Required Client Information  <b>SAMPLE ID</b> (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER VW PRODUCT P SOILSOLID SL OIL OL WPE WP AIR AR OTHER OT TISSUE TS	MATRIX CODE <small>(see valid codes to left)</small>	SAMPLE TYPE <small>(G=GRAB C=COMP)</small>	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test ↓ Y/N	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Project No./ Lab I.D.			
					DATE	TIME			Unpreserved	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	Methanol	Other							
1	MW-01						7	2	2	2							✓	✓	✓	✓			23081489-001
2	MW-02						7	2	2	2							✓	✓	✓	✓			002
3	MW-03						7	2	2	2							✓	✓	✓	✓			003
4	MW-04						3	1		1													004
5	MW-05						7	2	2	2							✓	✓	✓	✓			005
6	MW-06						7	2	2	2							✓	✓	✓	✓			006
7	MW-07				9-7-23	0950	7	2	2	2							✓	✓	✓	✓			007
8	MW-07S					DRY	6	2	2	2							✓	✓		✓			008
9	MW-08					1019	7	2	2	2							✓	✓	✓	✓			009
10	MW-08S					DRY	6	2	2	2							✓	✓		✓			010
11	MW-09					1057	3	1		1													011
12	MW-10					DRY	3	1		1													012
13	MW-11						7	2	2	2							✓	✓	✓	✓			013
14	MW-12				9-7-23	0919	7	2	2	2							✓	✓	✓	✓			014
15	MW-12S						0																015
16	MW-12D						0																016

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
<b>KIN-23Q3 Rev 1</b>	<b>J. Gelp</b>	<b>9-7</b>	<b>1530</b>	<b>Imber Diabalo</b>	<b>9/7/13</b>	<b>1530</b>	<b>11.0</b>	<b>Y</b>	<b>N</b>	

<b>SAMPLER NAME AND SIGNATURE</b>			Temp in °C	Received on Ice (Y/N)	Custody Sealant Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: <b>Justin Gelp</b>						
SIGNATURE of SAMPLER: <i>[Signature]</i>		DATE Signed (MM/DD/YY): <b>9-7-23</b>				

PHV 90719  
 Added HNO<sub>3</sub> (9247) to MW12,  
 XP1003-pore & MW08 Dup.  
 Added NaOH to MW7, MW8, MW12, & MW08 Dup. on 9/11/13

LTC1

# CHAIN-OF-CUSTODY / Analytical Request Document

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

23081489

<b>Section A</b> Required Client Information:		<b>Section B</b> Required Project Information:		<b>Section C</b> Invoice Information:		Page: <b>2</b> of <b>3</b>				
Company: <b>Vistra Corp-Kincaid</b>		Report To: <b>Brian Voelker, Sam Davies</b>		Attention: <b>Brian Voelker, Tim Arnold</b>		<b>REGULATORY AGENCY</b>				
Address: <b>199 IL 104</b>		Copy To: <b>Tim Arnold</b>		Company Name: <b>Vistra Corp</b>				NPDES	GROUND WATER	DRINKING WATER
Kincaid, IL 62540				Address: <b>see Section A</b>				UST	RCRA	OTHER
Email To: <b>Brian.Voelker@VistraCorp.com</b> <b>Tim.Arnold@vistracorp.com</b>		Purchase Order No.:		Quote Reference:		Site Location		IL		
Phone: <b>(217) 753-8911</b> Fax:		Project Name:		Project Manager: <b>Liz Hurley</b>					STATE:	
Requested Due Date/TAT: <b>10 day</b>		Project Number:		Profile #:						

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	COLLECTED DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives										Analysis Test Y/N	Requested Analysis Filtered (Y/N)				Residual Chlorine (Y/N)	Project No./ Lab I.D.	
							Unpreserved	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	Methanol	Other	KIN-257-141	KIN-845-141		KIN-620-141	KIN-SUP-000					
							DRINKING WATER WATER WASTE WATER PRODUCT SOIL/SOLID OIL WIFE AIR OTHER TISSUE	DW WT WW P SL OL WP AR OT TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)												
1	MW-20					6	2	2	2															23081489-017
2	MW-20S					6	2	2	2															018
3	MW-23					6	2	2	2															019
4	MW-27		9-7-23	DRY		6	2	2	2															020
5	MW-28					6	2	2	2															021
6	MW-30					6	2	2	2															022
7	MW-31					6	2	2	2															023
8	MW-31S STILL DRY		9-7-23	DRY		6	2	2	2															024
9	MW-32					6	2	2	2															025
10	PZ4A					4	2	2	2															026
11	PZ4C					6	2	2	2															027
12	XPW01-pore		9-7-23	1125		6	2	2	2															028
13	XPW02-pore		↓	1220		6	2	2	2															029
14	XPW03-pore		↓	1314		6	2	2	2															030
15	XPW04-pore		↓	1340		6	2	2	2															031
16	XSG-01					0																		032

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
<b>KIN-23Q3 Rev 1</b>	J. Cole	9-7	1530	DMCen Oculella	9/7/23	1530	

<b>SAMPLER NAME AND SIGNATURE</b>		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: <b>Justin Cole</b>					
SIGNATURE of SAMPLER: <i>[Signature]</i>					
DATE Signed (MM/DD/YY): <b>9-7-23</b>					

## CHAIN-OF-CUSTODY / Analytical Request Document

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

23081489

Page: 3 of 3

<b>Section A</b> Required Client Information:		<b>Section B</b> Required Project Information:		<b>Section C</b> Invoice Information:				
Company: <u>Vistra Corp-Kincaid</u>		Report To: <u>Brian Voelker, Sam Davies</u>		Attention: <u>Brian Voelker, Tim Arnold</u>		<b>REGULATORY AGENCY</b>		
Address: <u>199 IL 104</u> <u>Kincaid, IL 62540</u>		Copy To: <u>Tim Arnold</u>		Company Name: <u>Vistra Corp</u>				
Email To: <u>Brian.Voelker@VistraCorp.com</u> <u>Tim.Arnold@vistracorp.com</u>		Purchase Order No.:		Address: <u>see Section A</u>		UST	RCRA	OTHER
Phone: <u>(217) 753-8911</u> Fax:		Project Name:		Project Manager: <u>Liz Hurley</u>		Site Location		IL
Requested Due Date/TAT: <u>10 day</u>		Project Number:		Profile #:		STATE:		

ITEM #	Section D Required Client Information  <b>SAMPLE ID</b> (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 WPE WP AIR AR OTHER OT TISSUE TS	MATRIX CODE <small>(see valid codes to left)</small>	SAMPLE TYPE <small>(G=GRAB C=COMP)</small>	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test ↓ Y/N ↓	Requested Analysis Filtered (Y/N)										Residual Chlorine (Y/N)	Project No./ Lab I.D.
					DATE	TIME			Unpreserved	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	Methanol	Other													
1	YSG-02						0																				23081489-033		
2	Field Blank				9-7-23	1358	7	2	2	1																	034		
3	MW-08 Duplicate				9-7-23	1019	7	2	2	1																	035		
4																													
5																													
6																													
7																													
8																													
9																													
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13																													
14																													
15																													
16																													

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS						
<b>KIN-23Q3 Rev 1</b>		J. Colp	9-7	1530	DMoe, Details	9/7/23	1530							
<b>SAMPLER NAME AND SIGNATURE</b>								Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)			
PRINT Name of SAMPLER: <u>Justin Colp</u>				SIGNATURE of SAMPLER: <u>[Signature]</u>								DATE Signed (MM/DD/YY): <u>9-7-23</u>		

October 13, 2023

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



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

**RE: KIN-23Q3**

**WorkOrder: 23081490**

Dear Eric Bauer:

TEKLAB, INC received 27 samples on 9/7/2023 3:30:00 PM for the analysis presented in the following report.

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

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

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

Sincerely,



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



## Report Contents

<http://www.teklabinc.com/>

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**Client:** Ramboll

**Work Order:** 23081490

**Client Project:** KIN-23Q3

**Report Date:** 13-Oct-23

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**This reporting package includes the following:**

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	5
Accreditations	6
Laboratory Results	7
Sample Summary	27
Dates Report	28
Receiving Check List	30
Chain of Custody	Appended

Client: Ramboll

Work Order: 23081490

Client Project: KIN-23Q3

Report Date: 13-Oct-23

### Abbr Definition

\* Analytes on report marked with an asterisk are not NELAP accredited

CCV Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.

CRQL A Client Requested Quantitation Limit is a reporting limit that varies according to customer request. The CRQL may not be less than the MDL.

DF Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilution factors.

DNI Did not ignite

DUP Laboratory duplicate is a replicate aliquot prepared under the same laboratory conditions and independently analyzed to obtain a measure of precision.

ICV Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.

IDPH IL Dept. of Public Health

LCS Laboratory control sample is a sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes and analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system.

LCSD Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).

MBLK Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.

MDL "The method detection limit is defined as the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results."

MS Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).

MSD Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).

MW Molecular weight

NC Data is not acceptable for compliance purposes

ND Not Detected at the Reporting Limit

NELAP NELAP Accredited

PQL Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions.

RL The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.

RPD Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).

SPK The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.

Surr Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.

TIC Tentatively identified compound: Analytes tentatively identified in the sample by using a library search. Only results not in the calibration standard will be reported as tentatively identified compounds. Results for tentatively identified compounds that are not present in the calibration standard, but are assigned a specific chemical name based upon the library search, are calculated using total peak areas from reconstructed ion chromatograms and a response factor of one. The nearest Internal Standard is used for the calculation. The results of any TICs must be considered estimated, and are flagged with a "T". If the estimated result is above the calibration range it is flagged "ET"

TNTC Too numerous to count (> 200 CFU)

**Client:** Ramboll

**Work Order:** 23081490

**Client Project:** KIN-23Q3

**Report Date:** 13-Oct-23

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### Qualifiers

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

**Client:** Ramboll  
**Client Project:** KIN-23Q3

**Work Order:** 23081490  
**Report Date:** 13-Oct-23

**Cooler Receipt Temp:** 4.0 °C

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

MW-07S, MW-08S, MW-10, MW-27, PZ4A, and PZ4C could not be collected; the wells were dry. MW-31S went dry during sample collection (insufficient volume provided).

Ra226/228 analysis was performed by Eurofins St. Louis. Please 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

**Collinsville Air**

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

**Springfield**

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

**Chicago**

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

**Kansas City**

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





## Accreditations

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23081490

Client Project: KIN-23Q3

Report Date: 13-Oct-23

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



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q3  
Lab ID: 23081490-001  
Matrix: GROUNDWATER

Work Order: 23081490  
Report Date: 13-Oct-23  
Client Sample ID: MW-01  
Collection Date: 09/05/2023 12:43

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>									
Subcontracted Analysis	*	0	0		See Attached		1	10/03/2023 12:02	R337707



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23081490

Client Project: KIN-23Q3

Report Date: 13-Oct-23

Lab ID: 23081490-002

Client Sample ID: MW-02

Matrix: GROUNDWATER

Collection Date: 09/05/2023 12:20

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>									
Subcontracted Analysis	*	0	0		See Attached		1	10/03/2023 12:07	R337707



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23081490

Client Project: KIN-23Q3

Report Date: 13-Oct-23

Lab ID: 23081490-003

Client Sample ID: MW-03

Matrix: GROUNDWATER

Collection Date: 09/05/2023 14:14

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>									
Subcontracted Analysis	*	0	0		See Attached		1	10/03/2023 12:08	R337707



## Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q3  
Lab ID: 23081490-004  
Matrix: GROUNDWATER

Work Order: 23081490  
Report Date: 13-Oct-23  
Client Sample ID: MW-04  
Collection Date: 09/05/2023 14:45

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>									
Subcontracted Analysis	*	0	0		See Attached		1	10/03/2023 12:08	R337707



## Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q3  
Lab ID: 23081490-005  
Matrix: GROUNDWATER

Work Order: 23081490  
Report Date: 13-Oct-23  
Client Sample ID: MW-05  
Collection Date: 09/06/2023 11:32

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>									
Subcontracted Analysis	*	0	0		See Attached		1	10/03/2023 12:08	R337707



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q3  
Lab ID: 23081490-006  
Matrix: GROUNDWATER

Work Order: 23081490  
Report Date: 13-Oct-23  
Client Sample ID: MW-06  
Collection Date: 09/06/2023 13:44

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>									
Subcontracted Analysis	*	0	0		See Attached		1	10/03/2023 12:08	R337707



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q3  
Lab ID: 23081490-007  
Matrix: GROUNDWATER

Work Order: 23081490  
Report Date: 13-Oct-23  
Client Sample ID: MW-07  
Collection Date: 09/07/2023 9:50

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>									
Subcontracted Analysis	*	0	0		See Attached		1	10/03/2023 12:08	R337707





# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23081490

Client Project: KIN-23Q3

Report Date: 13-Oct-23

Lab ID: 23081490-009

Client Sample ID: MW-08

Matrix: GROUNDWATER

Collection Date: 09/07/2023 10:19

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>									
Subcontracted Analysis	*	0	0		See Attached		1	10/03/2023 12:08	R337707



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23081490

Client Project: KIN-23Q3

Report Date: 13-Oct-23

Lab ID: 23081490-011

Client Sample ID: MW-09

Matrix: GROUNDWATER

Collection Date: 09/07/2023 10:57

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>									
Subcontracted Analysis	*	0	0		See Attached		1	10/03/2023 12:09	R337707



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q3  
Lab ID: 23081490-013  
Matrix: GROUNDWATER

Work Order: 23081490  
Report Date: 13-Oct-23  
Client Sample ID: MW-11  
Collection Date: 09/05/2023 13:09

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>									
Subcontracted Analysis	*	0	0		See Attached		1	10/03/2023 12:09	R337707



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q3  
Lab ID: 23081490-014  
Matrix: GROUNDWATER

Work Order: 23081490  
Report Date: 13-Oct-23  
Client Sample ID: MW-12  
Collection Date: 09/07/2023 9:19

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>									
Subcontracted Analysis	*	0	0		See Attached		1	10/03/2023 12:09	R337707



## Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q3  
Lab ID: 23081490-015  
Matrix: GROUNDWATER

Work Order: 23081490  
Report Date: 13-Oct-23  
Client Sample ID: MW-20  
Collection Date: 09/06/2023 9:45

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>									
Subcontracted Analysis	*	0	0		See Attached		1	10/03/2023 12:09	R337707



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23081490

Client Project: KIN-23Q3

Report Date: 13-Oct-23

Lab ID: 23081490-016

Client Sample ID: MW-20S

Matrix: GROUNDWATER

Collection Date: 09/06/2023 10:11

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>									
Subcontracted Analysis	*	0	0		See Attached		1	10/03/2023 12:09	R337707



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q3  
Lab ID: 23081490-017  
Matrix: GROUNDWATER

Work Order: 23081490  
Report Date: 13-Oct-23  
Client Sample ID: MW-23  
Collection Date: 09/05/2023 13:40

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>									
Subcontracted Analysis	*	0	0		See Attached		1	10/03/2023 12:09	R337707



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23081490

Client Project: KIN-23Q3

Report Date: 13-Oct-23

Lab ID: 23081490-019

Client Sample ID: MW-28

Matrix: GROUNDWATER

Collection Date: 09/06/2023 14:08

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>									
Subcontracted Analysis	*	0	0		See Attached		1	10/03/2023 12:09	R337707





## Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
 Client Project: KIN-23Q3  
 Lab ID: 23081490-020  
 Matrix: GROUNDWATER

Work Order: 23081490  
 Report Date: 13-Oct-23  
 Client Sample ID: MW-30  
 Collection Date: 09/06/2023 13:09

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>									
Subcontracted Analysis	*	0	0		See Attached		1	10/03/2023 12:09	R337707



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q3  
Lab ID: 23081490-021  
Matrix: GROUNDWATER

Work Order: 23081490  
Report Date: 13-Oct-23  
Client Sample ID: MW-31  
Collection Date: 09/06/2023 11:56

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>									
Subcontracted Analysis	*	0	0		See Attached		1	10/03/2023 12:10	R337707



## Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q3  
Lab ID: 23081490-023  
Matrix: GROUNDWATER

Work Order: 23081490  
Report Date: 13-Oct-23  
Client Sample ID: MW-32  
Collection Date: 09/06/2023 11:01

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>									
Subcontracted Analysis	*	0	0		See Attached		1	10/03/2023 12:10	R337707



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q3  
Lab ID: 23081490-026  
Matrix: GROUNDWATER

Work Order: 23081490  
Report Date: 13-Oct-23  
Client Sample ID: Field Blank  
Collection Date: 09/07/2023 13:58

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>									
Subcontracted Analysis	*	0	0		See Attached		1	10/03/2023 12:10	R337707



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q3  
Lab ID: 23081490-027  
Matrix: GROUNDWATER

Work Order: 23081490  
Report Date: 13-Oct-23  
Client Sample ID: MW-08 Duplicate  
Collection Date: 09/07/2023 10:19

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>									
Subcontracted Analysis	*	0	0		See Attached		1	10/03/2023 12:10	R337707



## Sample Summary

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q3

Work Order: 23081490  
Report Date: 13-Oct-23

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
23081490-001	MW-01	Groundwater	1	09/05/2023 12:43
23081490-002	MW-02	Groundwater	1	09/05/2023 12:20
23081490-003	MW-03	Groundwater	1	09/05/2023 14:14
23081490-004	MW-04	Groundwater	1	09/05/2023 14:45
23081490-005	MW-05	Groundwater	1	09/06/2023 11:32
23081490-006	MW-06	Groundwater	1	09/06/2023 13:44
23081490-007	MW-07	Groundwater	1	09/07/2023 9:50
23081490-008	MW-07S	Groundwater	1	
23081490-009	MW-08	Groundwater	1	09/07/2023 10:19
23081490-010	MW-08S	Groundwater	1	
23081490-011	MW-09	Groundwater	1	09/07/2023 10:57
23081490-012	MW-10	Groundwater	1	
23081490-013	MW-11	Groundwater	1	09/05/2023 13:09
23081490-014	MW-12	Groundwater	1	09/07/2023 9:19
23081490-015	MW-20	Groundwater	1	09/06/2023 9:45
23081490-016	MW-20S	Groundwater	1	09/06/2023 10:11
23081490-017	MW-23	Groundwater	1	09/05/2023 13:40
23081490-018	MW-27	Groundwater	1	
23081490-019	MW-28	Groundwater	1	09/06/2023 14:08
23081490-020	MW-30	Groundwater	1	09/06/2023 13:09
23081490-021	MW-31	Groundwater	1	09/06/2023 11:56
23081490-022	MW-31S	Groundwater	1	09/06/2023 12:29
23081490-023	MW-32	Groundwater	1	09/06/2023 11:01
23081490-024	PZ4A	Groundwater	1	09/06/2023 0:00
23081490-025	PZ4C	Groundwater	1	09/06/2023 0:00
23081490-026	Field Blank	Groundwater	1	09/07/2023 13:58
23081490-027	MW-08 Duplicate	Groundwater	1	09/07/2023 10:19



## Dates Report

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23081490

Client Project: KIN-23Q3

Report Date: 13-Oct-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
23081490-001A	MW-01	09/05/2023 12:43	09/05/2023 16:30		
	See Attached for Subcontracting Analysis				10/03/2023 12:02
23081490-002A	MW-02	09/05/2023 12:20	09/05/2023 16:30		
	See Attached for Subcontracting Analysis				10/03/2023 12:07
23081490-003A	MW-03	09/05/2023 14:14	09/05/2023 16:30		
	See Attached for Subcontracting Analysis				10/03/2023 12:08
23081490-004A	MW-04	09/05/2023 14:45	09/05/2023 16:30		
	See Attached for Subcontracting Analysis				10/03/2023 12:08
23081490-005A	MW-05	09/06/2023 11:32	09/06/2023 16:05		
	See Attached for Subcontracting Analysis				10/03/2023 12:08
23081490-006A	MW-06	09/06/2023 13:44	09/06/2023 16:05		
	See Attached for Subcontracting Analysis				10/03/2023 12:08
23081490-007A	MW-07	09/07/2023 9:50	09/07/2023 15:30		
	See Attached for Subcontracting Analysis				10/03/2023 12:08
23081490-009A	MW-08	09/07/2023 10:19	09/07/2023 15:30		
	See Attached for Subcontracting Analysis				10/03/2023 12:08
23081490-011A	MW-09	09/07/2023 10:57	09/07/2023 15:30		
	See Attached for Subcontracting Analysis				10/03/2023 12:09
23081490-013A	MW-11	09/05/2023 13:09	09/05/2023 16:30		
	See Attached for Subcontracting Analysis				10/03/2023 12:09
23081490-014A	MW-12	09/07/2023 9:19	09/07/2023 15:30		
	See Attached for Subcontracting Analysis				10/03/2023 12:09
23081490-015A	MW-20	09/06/2023 9:45	09/06/2023 16:05		
	See Attached for Subcontracting Analysis				10/03/2023 12:09
23081490-016A	MW-20S	09/06/2023 10:11	09/06/2023 16:05		
	See Attached for Subcontracting Analysis				10/03/2023 12:09
23081490-017A	MW-23	09/05/2023 13:40	09/05/2023 16:30		
	See Attached for Subcontracting Analysis				10/03/2023 12:09
23081490-019A	MW-28	09/06/2023 14:08	09/06/2023 16:05		
	See Attached for Subcontracting Analysis				10/03/2023 12:09
23081490-020A	MW-30	09/06/2023 13:09	09/06/2023 16:05		
	See Attached for Subcontracting Analysis				10/03/2023 12:09
23081490-021A	MW-31	09/06/2023 11:56	09/06/2023 16:05		
	See Attached for Subcontracting Analysis				10/03/2023 12:10
23081490-023A	MW-32	09/06/2023 11:01	09/06/2023 16:05		



## Dates Report

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23081490

Client Project: KIN-23Q3

Report Date: 13-Oct-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	Test Name				
	See Attached for Subcontracting Analysis				10/03/2023 12:10
23081490-026A	Field Blank	09/07/2023 13:58	09/07/2023 15:30		
	See Attached for Subcontracting Analysis				10/03/2023 12:10
23081490-027A	MW-08 Duplicate	09/07/2023 10:19	09/07/2023 15:30		
	See Attached for Subcontracting Analysis				10/03/2023 12:10





# Receiving Check List

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23081490

Client Project: KIN-23Q3

Report Date: 13-Oct-23

Carrier: Justin Colp

Received By: MBP

Completed by:

*Amber Dilallo*

Reviewed by:

*Ellie Hopkins*

On:

06-Sep-23

Amber Dilallo

On:

11-Sep-23

Ellie Hopkins

Pages to follow: Chain of custody

Extra pages included

- |   |   |   |  |                                  |
|---|---|---|--|----------------------------------|
| Shipping container/cooler in good condition?            | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>             | Not Present <input type="checkbox"/>   | Temp °C <b>4.0</b>               |
| Type of thermal preservation?                           | None <input type="checkbox"/>           | Ice <input checked="" type="checkbox"/> | Blue Ice <input type="checkbox"/>      | Dry Ice <input type="checkbox"/> |
| Chain of custody present?                               | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>             |  |                                  |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>             |  |                                  |
| Chain of custody agrees with sample labels?             | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>             |  |                                  |
| Samples in proper container/bottle?                     | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>             |  |                                  |
| Sample containers intact?                               | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>             |  |                                  |
| Sufficient sample volume for indicated test?            | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>             |  |                                  |
| All samples received within holding time?               | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>             |  |                                  |
| Reported field parameters measured:                     | Field <input type="checkbox"/>          | Lab <input type="checkbox"/>            | NA <input checked="" type="checkbox"/> |                                  |
| Container/Temp Blank temperature in compliance?         | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>             |  |                                  |

*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 <input type="checkbox"/> | No <input type="checkbox"/>            | No VOA vials <input checked="" type="checkbox"/>      |
| Water - TOX containers have zero headspace?               | Yes <input type="checkbox"/> | No <input type="checkbox"/>            | No TOX containers <input checked="" type="checkbox"/> |
| Water - pH acceptable upon receipt?                       | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | NA <input type="checkbox"/>                           |
| NPDES/CWA TCN interferences checked/treated in the field? | Yes <input type="checkbox"/> | No <input type="checkbox"/>            | NA <input checked="" type="checkbox"/>                |

**Any No responses must be detailed below or on the COC.**

pH strip #90719. - amberdilallo - 9/6/2023 8:35:47 AM

Additional Nitric Acid (92447) was needed upon in MW-05, MW-20, MW-20, MW-28, MW-30, MW-31 and MW-32 arrival at the laboratory. - amberdilallo - 9/7/2023 12:45:28 PM

pH strip #90719. - amberdilallo - 9/7/2023 12:46:01 PM

Samples collected on 9/6/23 were delivered to the laboratory on 9/6/23 at 1605 (on ice - 8.4C - LTG#1). pH strip #90719 - AMD/ERH 9/7/23

Samples collected on 9/7/23 were delivered to the laboratory on 9/7/23 at 1530 (on ice - 11.0C - LTG#1). pH strip #90719 - AMD/ERH 9/7/23







# CHAIN-OF-CUSTODY / Analytical Request Document

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

23081490

Page: **2** of **3**

<b>Section A</b> Required Client Information:		<b>Section B</b> Required Project Information:		<b>Section C</b> Invoice Information:	
Company: <b>Vistra Corp-Kincaid</b>		Report To: <b>Brian Voelker, Sam Davies</b>		Attention: <b>Brian Voelker, Tim Arnold</b>	
Address: <b>199 IL 104</b> <b>Kincaid, IL 62540</b>		Copy To: <b>Tim Arnold</b>		Company Name: <b>Vistra Corp</b>	
Email To: <b>Brian.Voelker@VistraCorp.com</b> <b>Tim.Arnold@vistracorp.com</b>		Purchase Order No.:		Address: <b>see Section A</b>	
Phone: <b>(217) 753-8911</b> Fax:		Project Name:		Quote Reference:	
Requested Due Date/TAT: <b>10 day</b>		Project Number:		Project Manager: <b>Liz Hurley</b>	
				Site Location: <b>IL</b>	
				STATE: <b>IL</b>	

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	COLLECTED	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives											Requested Analysis Filtered (Y/N)				Residual Chlorine (Y/N)	Project No./ Lab I.D.	
						DATE	TIME	Unpreserved	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	Methanol	Other	Analysis Test ↓	KIN-257-141	KIN-845-141	KIN-620-141	KIN-SUP-000			
																							MATRIX CODE (see valid codes to left)
1	MW-20		9-6-23 0945	2	2																		23081490-015
2	MW-20S		9-6-23 1011	2	2																		016
3	MW-23			2	2																		017
4	MW-27			2	2																		018
5	MW-28		9-6-23 1408	2	2																		019
6	MW-30		↓ 1309	2	2																		020
7	MW-31		↓ 1156	2	2																		021
8	MW-31S DEY during Fill		↓ 1229	2	2																		022
9	MW-32		↓ 1101	2	2																		023
10	PZ4A		↓ DEY	2	2																		024
11	PZ4C		↓ DEY	2	2																		025
12	XPW01-pore																						
13	XPW02-pore																						
14	XPW03-pore																						
15	XPW04-pore																						
16	XSG-01																						

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
<b>KIN-23Q3 Rev 1</b> <i>Re 226/228 only</i>	<i>J. Gelp</i>	<b>9-6</b>	<b>1605</b>	<i>Allyson Petrus</i>	<b>9/6/23</b>	<b>1605</b>	

<b>SAMPLER NAME AND SIGNATURE</b>		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: <i>Justin Gelp</i>	DATE Signed (MM/DD/YY): <b>9-6-23</b>				
SIGNATURE of SAMPLER: <i>Justin Gelp</i>					

## CHAIN-OF-CUSTODY / Analytical Request Document

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

23081490

<b>Section A</b> Required Client Information:		<b>Section B</b> Required Project Information:		<b>Section C</b> Invoice Information:		<b>REGULATORY AGENCY</b>					
Company: <b>Vistra Corp-Kincaid</b>		Report To: <b>Brian Voelker, Sam Davies</b>		Attention: <b>Brian Voelker, Tim Arnold</b>					NPDES <b>GROUND WATER</b> DRINKING WATER		
Address: <b>199 IL 104</b>		Copy To: <b>Tim Arnold</b>		Company Name: <b>Vistra Corp</b>					UST    RCRA    OTHER		
Kincaid, IL 62540				Address: <b>see Section A</b>							
Email To: <b>Brian.Voelker@VistraCorp.com</b> <b>Tim.Arnold@vistracorp.com</b>		Purchase Order No.:		Quote Reference:		Site Location					
Phone: (217) 753-8911    Fax:		Project Name:		Project Manager: <b>Liz Hurley</b>		STATE: <b>IL</b>					
Requested Due Date/TAT: <b>10 day</b>		Project Number:		Profile #:							

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX    CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test Y/N	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Project No./ Lab I.D.				
					DATE	TIME			Unpreserved	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	Methanol	Other					KIN-257-141	KIN-845-141	KIN-620-141	KIN-SUP-000
1	MW-01						2													23081490-001				
2	MW-02						2													002				
3	MW-03						2													003				
4	MW-04						2													004				
5	MW-05						2													005				
6	MW-06						2													006				
7	MW-07				9-7-23	0950	2													007				
8	MW-07S					064	2													008				
9	MW-08					1019	2													009				
10	MW-08S					084	2													010				
11	MW-09					1057	2													011				
12	MW-10					084	2													012				
13	MW-11						2													013				
14	MW-12				9-7-23	0919	2													014				
15	MW-12S																							
16	MW-12D																							

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS		
KIN-23Q3 Rev 1 R2226/228, only.	J. GIP	9-7	1530	Justin GIP	9/7/23	1530	110	Y	N

PH: 90719 um 017

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: <b>Justin GIP</b>					
SIGNATURE of SAMPLER: <i>Justin GIP</i>	DATE Signed (MM/DD/YY): <b>9-7-23</b>				

LTC1







 **ANALYTICAL REPORT****PREPARED FOR**

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

Generated 10/9/2023 4:50:20 PM

**JOB DESCRIPTION**

Radium-226 and Radium-228  
SDG NUMBER 23081490

**JOB NUMBER**

160-51417-1

# 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  
10/9/2023 4:50:20 PM

Authorized for release by  
Rhonda Ridenhower, Business Unit Manager  
[Rhonda.Ridenhower@et.eurofinsus.com](mailto:Rhonda.Ridenhower@et.eurofinsus.com)  
Designee for  
Jayna Awalt, Project Manager II  
[Jayna.Awalt@et.eurofinsus.com](mailto:Jayna.Awalt@et.eurofinsus.com)  
(314)298-8566



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# Case Narrative

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

Job ID: 160-51417-1  
SDG: 23081490

---

**Job ID: 160-51417-1**

---

**Laboratory: Eurofins St. Louis**

---

**Narrative**

**Job Narrative  
160-51417-1**

**Receipt**

The samples were received on 9/12/2023 1:45 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 18.1° C, 18.1° C and 18.9° C.

**Receipt Exceptions**

The following samples were listed on the Chain of Custody (COC); however, no samples were received: 23081490-008A (160-51417-8), 23081490-010A (160-51417-10), 23081490-012A (160-51417-12), 23081490-018A (160-51417-18), 23081490-024A (160-51417-24) and 23081490-025A (160-51417-25). The samples state "dry" on the sample date and time.

The following sample was listed on the Chain of Custody (COC); however, no sample was received: 23081490-022A (160-51417-22).

**RAD**

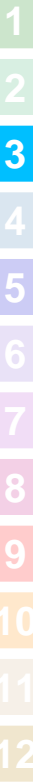
Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative.

Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date.

Radium-228 Prep batch 628012

The detection goal was not met for the following sample. Sample was prepped at a reduced volume due to the presence of matrix interferences: 23081490-002A (160-51417-2). 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.









# Login Sample Receipt Checklist

Client: TekLab, Inc

Job Number: 160-51417-1

SDG Number: 23081490

**Login Number: 51417**

**List Number: 1**

**Creator: Worthington, Sierra M**

**List Source: Eurofins St. Louis**

Question	Answer	Comment
Radioactivity wasn't checked or is <math>\leq</math> 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.	False	Samples marked Dry on COC not received
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	False	Sample 22 was not received
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 <math><6\text{mm}</math> (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: 160-51417-1  
SDG: 23081490

## 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.
α	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: 160-51417-1  
SDG: 23081490

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: 160-51417-1  
SDG: 23081490

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
160-51417-1	23081490-001A	Water	09/05/23 12:43	09/12/23 13:45
160-51417-2	23081490-002A	Water	09/05/23 12:20	09/12/23 13:45
160-51417-3	23081490-003A	Water	09/05/23 14:14	09/12/23 13:45
160-51417-4	23081490-004A	Water	09/05/23 14:45	09/12/23 13:45
160-51417-5	23081490-005A	Water	09/06/23 11:32	09/12/23 13:45
160-51417-6	23081490-006A	Water	09/06/23 13:44	09/12/23 13:45
160-51417-7	23081490-007A	Water	09/07/23 09:50	09/12/23 13:45
160-51417-9	23081490-009A	Water	09/07/23 10:19	09/12/23 13:45
160-51417-11	23081490-011A	Water	09/07/23 10:57	09/12/23 13:45
160-51417-13	23081490-013A	Water	09/05/23 13:09	09/12/23 13:45
160-51417-14	23081490-014A	Water	09/07/23 09:19	09/12/23 13:45
160-51417-15	23081490-015A	Water	09/06/23 09:45	09/12/23 13:45
160-51417-16	23081490-016A	Water	09/06/23 10:11	09/12/23 13:45
160-51417-17	23081490-017A	Water	09/05/23 13:40	09/12/23 13:45
160-51417-19	23081490-019A	Water	09/06/23 14:08	09/12/23 13:45
160-51417-20	23081490-020A	Water	09/06/23 13:09	09/12/23 13:45
160-51417-21	23081490-021A	Water	09/06/23 11:56	09/12/23 13:45
160-51417-23	23081490-023A	Water	09/06/23 11:01	09/12/23 13:45
160-51417-26	23081490-026A	Water	09/07/23 13:58	09/12/23 13:45
160-51417-27	23081490-027A	Water	09/07/23 10:19	09/12/23 13:45

# Client Sample Results

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

Job ID: 160-51417-1  
 SDG: 23081490

**Client Sample ID: 23081490-001A**  
 Date Collected: 09/05/23 12:43  
 Date Received: 09/12/23 13:45

**Lab Sample ID: 160-51417-1**  
 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	0.00643	U	0.0926	0.0926	1.00	0.182	pCi/L	09/14/23 09:54	10/06/23 11:58	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	99.0		30 - 110					09/14/23 09:54	10/06/23 11:58	1

**Method: EPA 904.0 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
<b>Radium-228</b>	<b>0.597</b>		0.361	0.365	1.00	0.516	pCi/L	09/14/23 09:57	10/03/23 12:02	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	99.0		30 - 110					09/14/23 09:57	10/03/23 12:02	1
Y Carrier	74.4		30 - 110					09/14/23 09:57	10/03/23 12:02	1

**Method: TAL-STL Ra226\_Ra228 Pos - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
<b>Radium 226 and 228</b>	<b>0.603</b>		0.373	0.377	5.00	0.516	pCi/L		10/09/23 11:37	1

**Client Sample ID: 23081490-002A**  
 Date Collected: 09/05/23 12:20  
 Date Received: 09/12/23 13:45

**Lab Sample ID: 160-51417-2**  
 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	0.124	U	0.247	0.247	1.00	0.448	pCi/L	09/14/23 09:54	10/06/23 11:58	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	55.8		30 - 110					09/14/23 09:54	10/06/23 11:58	1

**Method: 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	U G	1.19	1.19	1.00	1.94	pCi/L	09/14/23 09:57	10/03/23 12:07	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	55.8		30 - 110					09/14/23 09:57	10/03/23 12:07	1
Y Carrier	78.5		30 - 110					09/14/23 09:57	10/03/23 12:07	1

**Method: TAL-STL Ra226\_Ra228 Pos - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.17	U	1.22	1.22	5.00	1.94	pCi/L		10/09/23 11:37	1

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# Client Sample Results

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

Job ID: 160-51417-1  
SDG: 23081490

**Client Sample ID: 23081490-003A**

**Lab Sample ID: 160-51417-3**

Date Collected: 09/05/23 14:14

Matrix: Water

Date Received: 09/12/23 13:45

**Method: EPA 903.0 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0876	U	0.0974	0.0978	1.00	0.155	pCi/L	09/14/23 09:54	10/06/23 11:58	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	78.7		30 - 110					09/14/23 09:54	10/06/23 11:58	1

**Method: EPA 904.0 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.675		0.417	0.422	1.00	0.599	pCi/L	09/14/23 09:57	10/03/23 12:08	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	78.7		30 - 110					09/14/23 09:57	10/03/23 12:08	1
Y Carrier	80.7		30 - 110					09/14/23 09:57	10/03/23 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	0.762		0.428	0.433	5.00	0.599	pCi/L		10/09/23 11:37	1

**Client Sample ID: 23081490-004A**

**Lab Sample ID: 160-51417-4**

Date Collected: 09/05/23 14:45

Matrix: Water

Date Received: 09/12/23 13:45

**Method: EPA 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		0.121	0.123	1.00	0.152	pCi/L	09/14/23 09:54	10/06/23 11:58	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.1		30 - 110					09/14/23 09:54	10/06/23 11:58	1

**Method: EPA 904.0 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.957		0.529	0.536	1.00	0.762	pCi/L	09/14/23 09:57	10/03/23 12:08	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.1		30 - 110					09/14/23 09:57	10/03/23 12:08	1
Y Carrier	73.3		30 - 110					09/14/23 09:57	10/03/23 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	1.16		0.543	0.550	5.00	0.762	pCi/L		10/09/23 11:37	1

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# Client Sample Results

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

Job ID: 160-51417-1  
SDG: 23081490

**Client Sample ID: 23081490-005A**

**Lab Sample ID: 160-51417-5**

Date Collected: 09/06/23 11:32

Matrix: Water

Date Received: 09/12/23 13:45

**Method: EPA 903.0 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.212		0.145	0.146	1.00	0.206	pCi/L	09/14/23 09:54	10/06/23 11:58	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.8		30 - 110					09/14/23 09:54	10/06/23 11:58	1

**Method: EPA 904.0 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.0129	U	0.330	0.330	1.00	0.624	pCi/L	09/14/23 09:57	10/03/23 12:08	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.8		30 - 110					09/14/23 09:57	10/03/23 12:08	1
Y Carrier	77.8		30 - 110					09/14/23 09:57	10/03/23 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	0.212	U	0.360	0.361	5.00	0.624	pCi/L		10/09/23 11:37	1

**Client Sample ID: 23081490-006A**

**Lab Sample ID: 160-51417-6**

Date Collected: 09/06/23 13:44

Matrix: Water

Date Received: 09/12/23 13:45

**Method: EPA 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	0.0959	0.0964	1.00	0.145	pCi/L	09/14/23 09:54	10/06/23 11:58	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.3		30 - 110					09/14/23 09:54	10/06/23 11:58	1

**Method: EPA 904.0 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.360	U	0.332	0.334	1.00	0.527	pCi/L	09/14/23 09:57	10/03/23 12:08	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.3		30 - 110					09/14/23 09:57	10/03/23 12:08	1
Y Carrier	84.5		30 - 110					09/14/23 09:57	10/03/23 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	0.465	U	0.346	0.348	5.00	0.527	pCi/L		10/09/23 11:37	1

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# Client Sample Results

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

Job ID: 160-51417-1  
SDG: 23081490

**Client Sample ID: 23081490-007A**

**Lab Sample ID: 160-51417-7**

Date Collected: 09/07/23 09:50

Matrix: Water

Date Received: 09/12/23 13:45

**Method: EPA 903.0 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0725	U	0.107	0.107	1.00	0.183	pCi/L	09/14/23 09:54	10/06/23 11:59	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.8		30 - 110					09/14/23 09:54	10/06/23 11:59	1

**Method: EPA 904.0 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.661		0.393	0.398	1.00	0.572	pCi/L	09/14/23 09:57	10/03/23 12:08	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.8		30 - 110					09/14/23 09:57	10/03/23 12:08	1
Y Carrier	82.2		30 - 110					09/14/23 09:57	10/03/23 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	0.733		0.407	0.412	5.00	0.572	pCi/L		10/09/23 11:37	1

**Client Sample ID: 23081490-009A**

**Lab Sample ID: 160-51417-9**

Date Collected: 09/07/23 10:19

Matrix: Water

Date Received: 09/12/23 13:45

**Method: EPA 903.0 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0204	U	0.0740	0.0740	1.00	0.144	pCi/L	09/14/23 09:54	10/06/23 11:59	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	97.0		30 - 110					09/14/23 09:54	10/06/23 11:59	1

**Method: EPA 904.0 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.349	U	0.286	0.288	1.00	0.438	pCi/L	09/14/23 09:57	10/03/23 12:08	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	97.0		30 - 110					09/14/23 09:57	10/03/23 12:08	1
Y Carrier	84.1		30 - 110					09/14/23 09:57	10/03/23 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	0.369	U	0.295	0.297	5.00	0.438	pCi/L		10/09/23 11:37	1

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# Client Sample Results

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

Job ID: 160-51417-1  
SDG: 23081490

**Client Sample ID: 23081490-011A**

**Lab Sample ID: 160-51417-11**

Date Collected: 09/07/23 10:57

Matrix: Water

Date Received: 09/12/23 13:45

**Method: EPA 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	0.144	0.144	1.00	0.244	pCi/L	09/14/23 09:54	10/06/23 11:59	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.6		30 - 110					09/14/23 09:54	10/06/23 11:59	1

**Method: EPA 904.0 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.465	U	0.466	0.468	1.00	0.751	pCi/L	09/14/23 09:57	10/03/23 12:09	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.6		30 - 110					09/14/23 09:57	10/03/23 12:09	1
Y Carrier	85.2		30 - 110					09/14/23 09:57	10/03/23 12:09	1

**Method: TAL-STL Ra226\_Ra228 Pos - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.567	U	0.488	0.490	5.00	0.751	pCi/L		10/09/23 11:37	1

**Client Sample ID: 23081490-013A**

**Lab Sample ID: 160-51417-13**

Date Collected: 09/05/23 13:09

Matrix: Water

Date Received: 09/12/23 13:45

**Method: EPA 903.0 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0199	U	0.108	0.108	1.00	0.204	pCi/L	09/14/23 09:54	10/06/23 11:59	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.5		30 - 110					09/14/23 09:54	10/06/23 11:59	1

**Method: EPA 904.0 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
<b>Radium-228</b>	<b>0.625</b>		0.408	0.412	1.00	0.604	pCi/L	09/14/23 09:57	10/03/23 12:09	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.5		30 - 110					09/14/23 09:57	10/03/23 12:09	1
Y Carrier	75.5		30 - 110					09/14/23 09:57	10/03/23 12:09	1

**Method: TAL-STL Ra226\_Ra228 Pos - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
<b>Radium 226 and 228</b>	<b>0.645</b>		0.422	0.426	5.00	0.604	pCi/L		10/09/23 11:37	1

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# Client Sample Results

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

Job ID: 160-51417-1  
 SDG: 23081490

**Client Sample ID: 23081490-014A**  
 Date Collected: 09/07/23 09:19  
 Date Received: 09/12/23 13:45

**Lab Sample ID: 160-51417-14**  
 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	0.244		0.154	0.156	1.00	0.217	pCi/L	09/14/23 09:54	10/06/23 11:59	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.0		30 - 110					09/14/23 09:54	10/06/23 11:59	1

**Method: EPA 904.0 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.520	U	0.448	0.451	1.00	0.708	pCi/L	09/14/23 09:57	10/03/23 12:09	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.0		30 - 110					09/14/23 09:57	10/03/23 12:09	1
Y Carrier	72.5		30 - 110					09/14/23 09:57	10/03/23 12:09	1

**Method: TAL-STL Ra226\_Ra228 Pos - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.764		0.474	0.477	5.00	0.708	pCi/L		10/09/23 11:37	1

**Client Sample ID: 23081490-015A**  
 Date Collected: 09/06/23 09:45  
 Date Received: 09/12/23 13:45

**Lab Sample ID: 160-51417-15**  
 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	0.110	U	0.111	0.111	1.00	0.175	pCi/L	09/14/23 09:54	10/06/23 11:58	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.5		30 - 110					09/14/23 09:54	10/06/23 11:58	1

**Method: EPA 904.0 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.000	U	0.256	0.256	1.00	0.490	pCi/L	09/14/23 09:57	10/03/23 12:09	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.5		30 - 110					09/14/23 09:57	10/03/23 12:09	1
Y Carrier	84.5		30 - 110					09/14/23 09:57	10/03/23 12:09	1

**Method: TAL-STL Ra226\_Ra228 Pos - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.110	U	0.279	0.279	5.00	0.490	pCi/L		10/09/23 11:37	1

# Client Sample Results

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

Job ID: 160-51417-1  
SDG: 23081490

**Client Sample ID: 23081490-016A**

**Lab Sample ID: 160-51417-16**

Date Collected: 09/06/23 10:11

Matrix: Water

Date Received: 09/12/23 13:45

**Method: EPA 903.0 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.129	U	0.115	0.116	1.00	0.177	pCi/L	09/14/23 09:54	10/06/23 11:58	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.3		30 - 110					09/14/23 09:54	10/06/23 11:58	1

**Method: EPA 904.0 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.122	U	0.352	0.352	1.00	0.623	pCi/L	09/14/23 09:57	10/03/23 12:09	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.3		30 - 110					09/14/23 09:57	10/03/23 12:09	1
Y Carrier	78.1		30 - 110					09/14/23 09:57	10/03/23 12:09	1

**Method: TAL-STL Ra226\_Ra228 Pos - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.250	U	0.370	0.371	5.00	0.623	pCi/L		10/09/23 11:37	1

**Client Sample ID: 23081490-017A**

**Lab Sample ID: 160-51417-17**

Date Collected: 09/05/23 13:40

Matrix: Water

Date Received: 09/12/23 13:45

**Method: EPA 903.0 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0536	U	0.0897	0.0898	1.00	0.157	pCi/L	09/14/23 09:54	10/06/23 11:58	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.5		30 - 110					09/14/23 09:54	10/06/23 11:58	1

**Method: EPA 904.0 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.200	U	0.287	0.287	1.00	0.593	pCi/L	09/14/23 09:57	10/03/23 12:09	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.5		30 - 110					09/14/23 09:57	10/03/23 12:09	1
Y Carrier	78.5		30 - 110					09/14/23 09:57	10/03/23 12:09	1

**Method: TAL-STL Ra226\_Ra228 Pos - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.0536	U	0.301	0.301	5.00	0.593	pCi/L		10/09/23 11:37	1

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# Client Sample Results

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

Job ID: 160-51417-1  
 SDG: 23081490

**Client Sample ID: 23081490-019A**  
 Date Collected: 09/06/23 14:08  
 Date Received: 09/12/23 13:45

**Lab Sample ID: 160-51417-19**  
 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	0.0169	U	0.0852	0.0852	1.00	0.165	pCi/L	09/14/23 09:54	10/06/23 11:58	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	96.8		30 - 110					09/14/23 09:54	10/06/23 11:58	1

**Method: EPA 904.0 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.163	U	0.321	0.322	1.00	0.558	pCi/L	09/14/23 09:57	10/03/23 12:09	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	96.8		30 - 110					09/14/23 09:57	10/03/23 12:09	1
Y Carrier	79.6		30 - 110					09/14/23 09:57	10/03/23 12:09	1

**Method: TAL-STL Ra226\_Ra228 Pos - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.180	U	0.332	0.333	5.00	0.558	pCi/L		10/09/23 11:37	1

**Client Sample ID: 23081490-020A**  
 Date Collected: 09/06/23 13:09  
 Date Received: 09/12/23 13:45

**Lab Sample ID: 160-51417-20**  
 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	0.142	U	0.112	0.113	1.00	0.165	pCi/L	09/14/23 09:54	10/06/23 11:58	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	97.8		30 - 110					09/14/23 09:54	10/06/23 11:58	1

**Method: EPA 904.0 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.106	U	0.327	0.327	1.00	0.585	pCi/L	09/14/23 09:57	10/03/23 12:09	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	97.8		30 - 110					09/14/23 09:57	10/03/23 12:09	1
Y Carrier	74.4		30 - 110					09/14/23 09:57	10/03/23 12:09	1

**Method: TAL-STL Ra226\_Ra228 Pos - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.248	U	0.346	0.346	5.00	0.585	pCi/L		10/09/23 11:37	1

# Client Sample Results

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

Job ID: 160-51417-1  
 SDG: 23081490

**Client Sample ID: 23081490-021A**

**Lab Sample ID: 160-51417-21**

Date Collected: 09/06/23 11:56

Matrix: Water

Date Received: 09/12/23 13:45

**Method: EPA 903.0 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.149	U	0.107	0.108	1.00	0.152	pCi/L	09/14/23 09:54	10/06/23 11:58	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	96.0		30 - 110					09/14/23 09:54	10/06/23 11:58	1

**Method: EPA 904.0 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.507	U	0.411	0.414	1.00	0.640	pCi/L	09/14/23 09:57	10/03/23 12:10	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	96.0		30 - 110					09/14/23 09:57	10/03/23 12:10	1
Y Carrier	72.9		30 - 110					09/14/23 09:57	10/03/23 12:10	1

**Method: TAL-STL Ra226\_Ra228 Pos - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.656		0.425	0.428	5.00	0.640	pCi/L		10/09/23 11:37	1

**Client Sample ID: 23081490-023A**

**Lab Sample ID: 160-51417-23**

Date Collected: 09/06/23 11:01

Matrix: Water

Date Received: 09/12/23 13:45

**Method: EPA 903.0 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.00310	U	0.0780	0.0780	1.00	0.158	pCi/L	09/14/23 09:54	10/06/23 11:58	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	99.3		30 - 110					09/14/23 09:54	10/06/23 11:58	1

**Method: EPA 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	0.434	0.436	1.00	0.704	pCi/L	09/14/23 09:57	10/03/23 12:10	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	99.3		30 - 110					09/14/23 09:57	10/03/23 12:10	1
Y Carrier	66.2		30 - 110					09/14/23 09:57	10/03/23 12:10	1

**Method: TAL-STL Ra226\_Ra228 Pos - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.422	U	0.441	0.443	5.00	0.704	pCi/L		10/09/23 11:37	1

# Client Sample Results

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

Job ID: 160-51417-1  
SDG: 23081490

**Client Sample ID: 23081490-026A**

**Lab Sample ID: 160-51417-26**

Date Collected: 09/07/23 13:58

Matrix: Water

Date Received: 09/12/23 13:45

**Method: EPA 903.0 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0212	U	0.0817	0.0818	1.00	0.177	pCi/L	09/14/23 09:54	10/06/23 11:58	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.6		30 - 110					09/14/23 09:54	10/06/23 11:58	1

**Method: EPA 904.0 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.191	U	0.273	0.274	1.00	0.462	pCi/L	09/14/23 09:57	10/03/23 12:10	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.6		30 - 110					09/14/23 09:57	10/03/23 12:10	1
Y Carrier	79.6		30 - 110					09/14/23 09:57	10/03/23 12:10	1

**Method: TAL-STL Ra226\_Ra228 Pos - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.191	U	0.285	0.286	5.00	0.462	pCi/L		10/09/23 11:37	1

**Client Sample ID: 23081490-027A**

**Lab Sample ID: 160-51417-27**

Date Collected: 09/07/23 10:19

Matrix: Water

Date Received: 09/12/23 13:45

**Method: EPA 903.0 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0348	U	0.0930	0.0930	1.00	0.171	pCi/L	09/14/23 09:54	10/06/23 11:58	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	101		30 - 110					09/14/23 09:54	10/06/23 11:58	1

**Method: EPA 904.0 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0840	U	0.329	0.329	1.00	0.598	pCi/L	09/14/23 09:57	10/03/23 12:10	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	101		30 - 110					09/14/23 09:57	10/03/23 12:10	1
Y Carrier	70.3		30 - 110					09/14/23 09:57	10/03/23 12:10	1

**Method: TAL-STL Ra226\_Ra228 Pos - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.119	U	0.342	0.342	5.00	0.598	pCi/L		10/09/23 11:37	1

# QC Sample Results

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

Job ID: 160-51417-1  
 SDG: 23081490

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

**Lab Sample ID: MB 160-628007/1-A**  
**Matrix: Water**  
**Analysis Batch: 631027**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 628007**

Analyte	MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	MB Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	-0.004170	U	0.0727	0.0727	1.00	0.153	pCi/L	09/14/23 09:54	10/06/23 11:58	1
Carrier	MB		Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	%Yield	MB Qualifier	30 - 110					09/14/23 09:54	10/06/23 11:58	1
	101									

**Lab Sample ID: LCS 160-628007/2-A**  
**Matrix: Water**  
**Analysis Batch: 631027**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 628007**

Analyte	Spike Added	LCS Result	LCS Qual	Total	RL	MDC	Unit	%Rec	%Rec Limits		
				Uncert. (2σ+/-)							
Radium-226	11.3	9.621		1.08	1.00	0.168	pCi/L	85	75 - 125		
Carrier	LCS	LCS									
Ba Carrier	%Yield	Qualifier	Limits								
	101		30 - 110								

**Lab Sample ID: 160-51417-19 DU**  
**Matrix: Water**  
**Analysis Batch: 631000**

**Client Sample ID: 23081490-019A**  
**Prep Type: Total/NA**  
**Prep Batch: 628007**

Analyte	Sample		DU	DU	Total	RL	MDC	Unit	RER	RER	
	Result	Sample Qual	Result	Qual	Uncert. (2σ+/-)					Limit	
Radium-226	0.0169	U	-0.00107	U	0.0876	1.00	0.177	pCi/L	0.10	1	
Carrier	DU	DU									
Ba Carrier	%Yield	Qualifier	Limits								
	93.8		30 - 110								

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

**Lab Sample ID: MB 160-628012/1-A**  
**Matrix: Water**  
**Analysis Batch: 630408**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 628012**

Analyte	MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	MB Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-228	0.008313	U	0.250	0.250	1.00	0.472	pCi/L	09/14/23 09:57	10/03/23 12:02	1
Carrier	MB		Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	%Yield	MB Qualifier	30 - 110					09/14/23 09:57	10/03/23 12:02	1
Y Carrier	85.2		30 - 110					09/14/23 09:57	10/03/23 12:02	1

# QC Sample Results

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

Job ID: 160-51417-1  
 SDG: 23081490

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

**Lab Sample ID: LCS 160-628012/2-A**  
**Matrix: Water**  
**Analysis Batch: 630408**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 628012**

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228	7.83	8.203		1.16	1.00	0.458	pCi/L	105	75 - 125

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	101		30 - 110
Y Carrier	81.1		30 - 110

**Lab Sample ID: 160-51417-19 DU**  
**Matrix: Water**  
**Analysis Batch: 630528**

**Client Sample ID: 23081490-019A**  
**Prep Type: Total/NA**  
**Prep Batch: 628012**

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Radium-228	0.163	U	0.06906	U	0.290	1.00	0.530	pCi/L	0.15	1

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	93.8		30 - 110
Y Carrier	79.3		30 - 110

# QC Association Summary

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

Job ID: 160-51417-1  
SDG: 23081490

## Rad

### Prep Batch: 628007

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-51417-1	23081490-001A	Total/NA	Water	PrecSep-21	
160-51417-2	23081490-002A	Total/NA	Water	PrecSep-21	
160-51417-3	23081490-003A	Total/NA	Water	PrecSep-21	
160-51417-4	23081490-004A	Total/NA	Water	PrecSep-21	
160-51417-5	23081490-005A	Total/NA	Water	PrecSep-21	
160-51417-6	23081490-006A	Total/NA	Water	PrecSep-21	
160-51417-7	23081490-007A	Total/NA	Water	PrecSep-21	
160-51417-9	23081490-009A	Total/NA	Water	PrecSep-21	
160-51417-11	23081490-011A	Total/NA	Water	PrecSep-21	
160-51417-13	23081490-013A	Total/NA	Water	PrecSep-21	
160-51417-14	23081490-014A	Total/NA	Water	PrecSep-21	
160-51417-15	23081490-015A	Total/NA	Water	PrecSep-21	
160-51417-16	23081490-016A	Total/NA	Water	PrecSep-21	
160-51417-17	23081490-017A	Total/NA	Water	PrecSep-21	
160-51417-19	23081490-019A	Total/NA	Water	PrecSep-21	
160-51417-20	23081490-020A	Total/NA	Water	PrecSep-21	
160-51417-21	23081490-021A	Total/NA	Water	PrecSep-21	
160-51417-23	23081490-023A	Total/NA	Water	PrecSep-21	
160-51417-26	23081490-026A	Total/NA	Water	PrecSep-21	
160-51417-27	23081490-027A	Total/NA	Water	PrecSep-21	
MB 160-628007/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-628007/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
160-51417-19 DU	23081490-019A	Total/NA	Water	PrecSep-21	

### Prep Batch: 628012

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-51417-1	23081490-001A	Total/NA	Water	PrecSep_0	
160-51417-2	23081490-002A	Total/NA	Water	PrecSep_0	
160-51417-3	23081490-003A	Total/NA	Water	PrecSep_0	
160-51417-4	23081490-004A	Total/NA	Water	PrecSep_0	
160-51417-5	23081490-005A	Total/NA	Water	PrecSep_0	
160-51417-6	23081490-006A	Total/NA	Water	PrecSep_0	
160-51417-7	23081490-007A	Total/NA	Water	PrecSep_0	
160-51417-9	23081490-009A	Total/NA	Water	PrecSep_0	
160-51417-11	23081490-011A	Total/NA	Water	PrecSep_0	
160-51417-13	23081490-013A	Total/NA	Water	PrecSep_0	
160-51417-14	23081490-014A	Total/NA	Water	PrecSep_0	
160-51417-15	23081490-015A	Total/NA	Water	PrecSep_0	
160-51417-16	23081490-016A	Total/NA	Water	PrecSep_0	
160-51417-17	23081490-017A	Total/NA	Water	PrecSep_0	
160-51417-19	23081490-019A	Total/NA	Water	PrecSep_0	
160-51417-20	23081490-020A	Total/NA	Water	PrecSep_0	
160-51417-21	23081490-021A	Total/NA	Water	PrecSep_0	
160-51417-23	23081490-023A	Total/NA	Water	PrecSep_0	
160-51417-26	23081490-026A	Total/NA	Water	PrecSep_0	
160-51417-27	23081490-027A	Total/NA	Water	PrecSep_0	
MB 160-628012/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-628012/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
160-51417-19 DU	23081490-019A	Total/NA	Water	PrecSep_0	



# Tracer/Carrier Summary

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

Job ID: 160-51417-1  
SDG: 23081490

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

Matrix: Water

Prep Type: Total/NA

### Percent Yield (Acceptance Limits)

Lab Sample ID	Client Sample ID	Ba (30-110)
160-51417-1	23081490-001A	99.0
160-51417-2	23081490-002A	55.8
160-51417-3	23081490-003A	78.7
160-51417-4	23081490-004A	84.1
160-51417-5	23081490-005A	90.8
160-51417-6	23081490-006A	94.3
160-51417-7	23081490-007A	94.8
160-51417-9	23081490-009A	97.0
160-51417-11	23081490-011A	92.6
160-51417-13	23081490-013A	95.5
160-51417-14	23081490-014A	95.0
160-51417-15	23081490-015A	93.5
160-51417-16	23081490-016A	94.3
160-51417-17	23081490-017A	95.5
160-51417-19	23081490-019A	96.8
160-51417-19 DU	23081490-019A	93.8
160-51417-20	23081490-020A	97.8
160-51417-21	23081490-021A	96.0
160-51417-23	23081490-023A	99.3
160-51417-26	23081490-026A	92.6
160-51417-27	23081490-027A	101
LCS 160-628007/2-A	Lab Control Sample	101
MB 160-628007/1-A	Method Blank	101

### Tracer/Carrier Legend

Ba = Ba Carrier

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

Matrix: Water

Prep Type: Total/NA

### Percent Yield (Acceptance Limits)

Lab Sample ID	Client Sample ID	Ba (30-110)	Y (30-110)
160-51417-1	23081490-001A	99.0	74.4
160-51417-2	23081490-002A	55.8	78.5
160-51417-3	23081490-003A	78.7	80.7
160-51417-4	23081490-004A	84.1	73.3
160-51417-5	23081490-005A	90.8	77.8
160-51417-6	23081490-006A	94.3	84.5
160-51417-7	23081490-007A	94.8	82.2
160-51417-9	23081490-009A	97.0	84.1
160-51417-11	23081490-011A	92.6	85.2
160-51417-13	23081490-013A	95.5	75.5
160-51417-14	23081490-014A	95.0	72.5
160-51417-15	23081490-015A	93.5	84.5
160-51417-16	23081490-016A	94.3	78.1
160-51417-17	23081490-017A	95.5	78.5
160-51417-19	23081490-019A	96.8	79.6
160-51417-19 DU	23081490-019A	93.8	79.3
160-51417-20	23081490-020A	97.8	74.4

Eurofins St. Louis

# Tracer/Carrier Summary

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

Job ID: 160-51417-1  
SDG: 23081490

**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)
160-51417-21	23081490-021A	96.0	72.9
160-51417-23	23081490-023A	99.3	66.2
160-51417-26	23081490-026A	92.6	79.6
160-51417-27	23081490-027A	101	70.3
LCS 160-628012/2-A	Lab Control Sample	101	81.1
MB 160-628012/1-A	Method Blank	101	85.2

### Tracer/Carrier Legend

Ba = Ba Carrier

Y = Y Carrier

December 13, 2023

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



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

**RE: KIN-23Q4**

**WorkOrder: 23110440**

Dear Eric Bauer:

TEKLAB, INC received 28 samples on 11/29/2023 12:21:00 PM for the analysis presented in the following report.

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

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

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

Sincerely,



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



## Report Contents

<http://www.teklabinc.com/>

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**Client:** Ramboll

**Work Order:** 23110440

**Client Project:** KIN-23Q4

**Report Date:** 13-Dec-23

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**This reporting package includes the following:**

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Client: Ramboll

Work Order: 23110440

Client Project: KIN-23Q4

Report Date: 13-Dec-23

### Abbr Definition

\* Analytes on report marked with an asterisk are not NELAP accredited

CCV Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.

CRQL A Client Requested Quantitation Limit is a reporting limit that varies according to customer request. The CRQL may not be less than the MDL.

DF Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilution factors.

DNI Did not ignite

DUP Laboratory duplicate is a replicate aliquot prepared under the same laboratory conditions and independently analyzed to obtain a measure of precision.

ICV Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.

IDPH IL Dept. of Public Health

LCS Laboratory control sample is a sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes and analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system.

LCSD Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).

MBLK Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.

MDL "The method detection limit is defined as the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results."

MS Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).

MSD Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).

MW Molecular weight

NC Data is not acceptable for compliance purposes

ND Not Detected at the Reporting Limit

NELAP NELAP Accredited

PQL Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions.

RL The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.

RPD Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).

SPK The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.

Surr Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.

TIC Tentatively identified compound: Analytes tentatively identified in the sample by using a library search. Only results not in the calibration standard will be reported as tentatively identified compounds. Results for tentatively identified compounds that are not present in the calibration standard, but are assigned a specific chemical name based upon the library search, are calculated using total peak areas from reconstructed ion chromatograms and a response factor of one. The nearest Internal Standard is used for the calculation. The results of any TICs must be considered estimated, and are flagged with a "T". If the estimated result is above the calibration range it is flagged "ET"

TNTC Too numerous to count (> 200 CFU)

**Client:** Ramboll

**Work Order:** 23110440

**Client Project:** KIN-23Q4

**Report Date:** 13-Dec-23

### Qualifiers

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

**Client:** Ramboll  
**Client Project:** KIN-23Q4

**Work Order:** 23110440  
**Report Date:** 13-Dec-23

**Cooler Receipt Temp:** 9.0 °C

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

MW-12S, MW-12D, SG-02, and XSG-01 date/times of collection per SAR3. MW-27 and MW-8S could not be collected; the wells were dry. EAH 11/29/23

Per Eric Bauer's request, only KIN\_257\_141 data is included in this report. EAH 12/13/23

**Locations**

**Collinsville**

**Address** 5445 Horseshoe Lake Road  
 Collinsville, IL 62234-7425  
**Phone** (618) 344-1004  
**Fax** (618) 344-1005  
**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

**Springfield**

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

**Chicago**

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

**Kansas City**

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



## Accreditations

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23110440

Client Project: KIN-23Q4

Report Date: 13-Dec-23

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





# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
 Client Project: KIN-23Q4  
 Lab ID: 23110440-001  
 Matrix: GROUNDWATER

Work Order: 23110440  
 Report Date: 13-Dec-23

Client Sample ID: MW-1

Collection Date: 11/27/2023 12:05

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		17.05	ft	1	11/27/2023 12:05	R339877
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		2.2	NTU	1	11/27/2023 12:05	R339877
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		85	mV	1	11/27/2023 12:05	R339877
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		532	µS/cm	1	11/27/2023 12:05	R339877
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		15.6	°C	1	11/27/2023 12:05	R339877
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		1.01	mg/L	1	11/27/2023 12:05	R339877
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		6.36		1	11/27/2023 12:05	R339877
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	16	20		324	mg/L	1	11/28/2023 9:45	R339837
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	31	50		92	mg/L	5	12/01/2023 16:25	R340009
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.20	mg/L	1	11/28/2023 11:39	R339781
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		14	mg/L	1	12/01/2023 16:15	R340022
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100		58.2	mg/L	1	12/05/2023 17:08	215255
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		0.0016	mg/L	5	12/06/2023 11:09	215255
Arsenic	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	12/04/2023 17:19	215255
Barium	NELAP	0.0007	0.0010		0.0453	mg/L	5	12/04/2023 17:19	215255
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	12/04/2023 17:19	215255
Boron	NELAP	0.0092	0.0250		0.293	mg/L	5	12/04/2023 17:19	215255
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	12/04/2023 17:19	215255
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	12/04/2023 17:19	215255
Cobalt	NELAP	0.0001	0.0010		< 0.0010	mg/L	5	12/04/2023 17:19	215255
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	12/04/2023 17:19	215255
Lithium	*	0.0015	0.0030	J	0.0016	mg/L	5	12/04/2023 17:19	215255
Molybdenum	NELAP	0.0006	0.0015		< 0.0015	mg/L	5	12/04/2023 17:19	215255
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	12/04/2023 17:19	215255
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	12/04/2023 17:19	215255
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020	J	0.00006	mg/L	1	12/05/2023 11:31	215455



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
 Client Project: KIN-23Q4  
 Lab ID: 23110440-002  
 Matrix: GROUNDWATER

Work Order: 23110440  
 Report Date: 13-Dec-23  
 Client Sample ID: MW-11  
 Collection Date: 11/28/2023 10:44

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		11.74	ft	1	11/28/2023 10:44	R339877
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		8.1	NTU	1	11/28/2023 10:44	R339877
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		17	mV	1	11/28/2023 10:44	R339877
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		963	µS/cm	1	11/28/2023 10:44	R339877
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		13.2	°C	1	11/28/2023 10:44	R339877
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		1.17	mg/L	1	11/28/2023 10:44	R339877
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		6.88		1	11/28/2023 10:44	R339877
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	16	20		642	mg/L	1	11/29/2023 10:16	R339908
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	31	50		128	mg/L	5	12/05/2023 10:59	R340126
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.52	mg/L	1	11/29/2023 13:02	R339841
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		32	mg/L	1	12/01/2023 16:52	R340022
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100		115	mg/L	1	12/01/2023 18:30	215256
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>									
Antimony	NELAP	0.0009	0.0010		0.0026	mg/L	5	12/06/2023 11:04	215256
Arsenic	NELAP	0.0004	0.0010		0.0022	mg/L	5	12/05/2023 10:28	215256
Barium	NELAP	0.0007	0.0010		0.137	mg/L	5	12/05/2023 10:28	215256
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	12/04/2023 17:07	215256
Boron	NELAP	0.0092	0.0250		1.76	mg/L	5	12/04/2023 17:07	215256
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	12/04/2023 17:07	215256
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	12/05/2023 10:28	215256
Cobalt	NELAP	0.0001	0.0010	J	0.0006	mg/L	5	12/05/2023 10:28	215256
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	12/05/2023 10:28	215256
Lithium	*	0.0015	0.0030	J	0.0025	mg/L	5	12/04/2023 17:07	215256
Molybdenum	NELAP	0.0006	0.0015		0.0031	mg/L	5	12/04/2023 17:07	215256
Selenium	NELAP	0.0006	0.0010	J	0.0009	mg/L	5	12/06/2023 11:04	215256
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	12/04/2023 17:07	215256
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	12/06/2023 11:45	215503



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
 Client Project: KIN-23Q4  
 Lab ID: 23110440-003  
 Matrix: GROUNDWATER

Work Order: 23110440  
 Report Date: 13-Dec-23  
 Client Sample ID: MW-12  
 Collection Date: 11/28/2023 10:03

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		7.22	ft	1	11/28/2023 10:03	R339877
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		9.3	NTU	1	11/28/2023 10:03	R339877
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		-38	mV	1	11/28/2023 10:03	R339877
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		1410	µS/cm	1	11/28/2023 10:03	R339877
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		10.6	°C	1	11/28/2023 10:03	R339877
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		0.87	mg/L	1	11/28/2023 10:03	R339877
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		6.75		1	11/28/2023 10:03	R339877
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	40	50		1090	mg/L	2.5	11/29/2023 10:16	R339908
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	61	100		350	mg/L	10	12/01/2023 16:59	R340009
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.26	mg/L	1	11/29/2023 13:03	R339841
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		31	mg/L	1	12/01/2023 16:55	R340022
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100		191	mg/L	1	12/01/2023 18:50	215256
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>									
Antimony	NELAP	0.0009	0.0010		0.0022	mg/L	5	12/06/2023 11:46	215256
Arsenic	NELAP	0.0004	0.0010		0.0011	mg/L	5	12/05/2023 11:17	215256
Barium	NELAP	0.0007	0.0010		0.0889	mg/L	5	12/05/2023 11:17	215256
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	12/04/2023 17:13	215256
Boron	NELAP	0.0092	0.0250		2.78	mg/L	5	12/04/2023 17:13	215256
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	12/04/2023 17:13	215256
Chromium	NELAP	0.0007	0.0015	J	0.0007	mg/L	5	12/05/2023 11:17	215256
Cobalt	NELAP	0.0001	0.0010	J	0.0002	mg/L	5	12/04/2023 17:13	215256
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	12/05/2023 11:17	215256
Lithium	*	0.0015	0.0030		0.0100	mg/L	5	12/04/2023 17:13	215256
Molybdenum	NELAP	0.0006	0.0015		0.0017	mg/L	5	12/04/2023 17:13	215256
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	12/06/2023 11:46	215256
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	12/04/2023 17:13	215256
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	12/06/2023 11:48	215503



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
 Client Project: KIN-23Q4  
 Lab ID: 23110440-006  
 Matrix: GROUNDWATER

Work Order: 23110440  
 Report Date: 13-Dec-23  
 Client Sample ID: MW-2  
 Collection Date: 11/27/2023 11:11

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		8.11	ft	1	11/27/2023 11:11	R339877
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		54	NTU	1	11/27/2023 11:11	R339877
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		8	mV	1	11/27/2023 11:11	R339877
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		779	µS/cm	1	11/27/2023 11:11	R339877
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		13.3	°C	1	11/27/2023 11:11	R339877
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		1.82	mg/L	1	11/27/2023 11:11	R339877
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		6.95		1	11/27/2023 11:11	R339877
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	40	50		485	mg/L	2.5	11/28/2023 9:46	R339837
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	61	100		140	mg/L	10	12/01/2023 17:07	R340009
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.45	mg/L	1	11/28/2023 11:44	R339781
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		15	mg/L	1	12/01/2023 17:03	R340022
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100	S	95.0	mg/L	1	12/01/2023 18:31	215256
<i>Matrix spike control limits are not applicable due to high sample/spike ratio.</i>									
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>									
Antimony	NELAP	0.0009	0.0010		< 0.0010	mg/L	5	12/06/2023 12:23	215256
Arsenic	NELAP	0.0004	0.0010		0.0023	mg/L	5	12/05/2023 12:00	215256
Barium	NELAP	0.0007	0.0010		0.123	mg/L	5	12/05/2023 12:00	215256
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	12/04/2023 18:50	215256
Boron	NELAP	0.0092	0.0250		0.0745	mg/L	5	12/04/2023 18:50	215256
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	12/04/2023 18:50	215256
Chromium	NELAP	0.0007	0.0015		0.0020	mg/L	5	12/05/2023 12:00	215256
Cobalt	NELAP	0.0001	0.0010	J	0.0006	mg/L	5	12/04/2023 18:50	215256
Lead	NELAP	0.0006	0.0010	J	0.0007	mg/L	5	12/05/2023 12:00	215256
Lithium	*	0.0015	0.0030		0.0056	mg/L	5	12/04/2023 18:50	215256
Molybdenum	NELAP	0.0006	0.0015		0.0075	mg/L	5	12/04/2023 18:50	215256
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	12/06/2023 12:23	215256
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	12/04/2023 18:50	215256
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020	J	0.00006	mg/L	1	12/05/2023 11:34	215455



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
 Client Project: KIN-23Q4  
 Lab ID: 23110440-007  
 Matrix: GROUNDWATER

Work Order: 23110440  
 Report Date: 13-Dec-23  
 Client Sample ID: MW-20  
 Collection Date: 11/28/2023 13:20

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		8.20	ft	1	11/28/2023 13:20	R339877
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		65	NTU	1	11/28/2023 13:20	R339877
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		18	mV	1	11/28/2023 13:20	R339877
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		993	µS/cm	1	11/28/2023 13:20	R339877
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		13.8	°C	1	11/28/2023 13:20	R339877
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		1.35	mg/L	1	11/28/2023 13:20	R339877
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		7.09		1	11/28/2023 13:20	R339877
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	16	20		656	mg/L	1	11/29/2023 10:17	R339908
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	61	100		149	mg/L	10	12/01/2023 17:15	R340009
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.38	mg/L	1	11/29/2023 13:05	R339841
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		20	mg/L	1	12/01/2023 17:11	R340022
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100		120	mg/L	1	12/05/2023 17:50	215420
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		0.0022	mg/L	5	12/06/2023 12:59	215420
Arsenic	NELAP	0.0004	0.0010		0.0017	mg/L	5	12/04/2023 23:55	215420
Barium	NELAP	0.0007	0.0010		0.103	mg/L	5	12/04/2023 23:55	215420
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	12/04/2023 23:55	215420
Boron	NELAP	0.0092	0.0250		0.592	mg/L	5	12/04/2023 23:55	215420
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	12/04/2023 23:55	215420
Chromium	NELAP	0.0007	0.0015	J	0.0011	mg/L	5	12/04/2023 23:55	215420
Cobalt	NELAP	0.0001	0.0010	J	0.0006	mg/L	5	12/04/2023 23:55	215420
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	12/04/2023 23:55	215420
Lithium	*	0.0015	0.0030		0.0049	mg/L	5	12/04/2023 23:55	215420
Molybdenum	NELAP	0.0006	0.0015		0.0034	mg/L	5	12/06/2023 12:59	215420
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	12/04/2023 23:55	215420
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	12/05/2023 15:54	215420
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	12/06/2023 11:56	215503



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
 Client Project: KIN-23Q4  
 Lab ID: 23110440-008  
 Matrix: GROUNDWATER

Work Order: 23110440  
 Report Date: 13-Dec-23  
 Client Sample ID: MW-20S  
 Collection Date: 11/28/2023 12:41

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		7.92	ft	1	11/28/2023 12:41	R339877
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		5.3	NTU	1	11/28/2023 12:41	R339877
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		102	mV	1	11/28/2023 12:41	R339877
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		1350	µS/cm	1	11/28/2023 12:41	R339877
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		13.8	°C	1	11/28/2023 12:41	R339877
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		3.17	mg/L	1	11/28/2023 12:41	R339877
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		7.01		1	11/28/2023 12:41	R339877
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	40	50		925	mg/L	2.5	11/29/2023 10:17	R339908
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	61	100		356	mg/L	10	12/01/2023 17:24	R340009
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.21	mg/L	1	11/29/2023 13:07	R339841
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		19	mg/L	1	12/01/2023 17:19	R340022
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100		168	mg/L	1	12/05/2023 17:51	215420
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		0.0011	mg/L	5	12/06/2023 13:05	215420
Arsenic	NELAP	0.0004	0.0010	J	0.0004	mg/L	5	12/05/2023 0:01	215420
Barium	NELAP	0.0007	0.0010		0.0438	mg/L	5	12/05/2023 0:01	215420
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	12/05/2023 0:01	215420
Boron	NELAP	0.0092	0.0250		1.64	mg/L	5	12/05/2023 0:01	215420
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	12/05/2023 0:01	215420
Chromium	NELAP	0.0007	0.0015		0.0015	mg/L	5	12/05/2023 0:01	215420
Cobalt	NELAP	0.0001	0.0010	J	0.0003	mg/L	5	12/05/2023 0:01	215420
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	12/05/2023 0:01	215420
Lithium	*	0.0015	0.0030		< 0.0030	mg/L	5	12/05/2023 0:01	215420
Molybdenum	NELAP	0.0006	0.0015	J	0.0009	mg/L	5	12/06/2023 13:05	215420
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	12/05/2023 0:01	215420
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	12/05/2023 16:00	215420
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	12/06/2023 11:59	215503



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
 Client Project: KIN-23Q4  
 Lab ID: 23110440-009  
 Matrix: GROUNDWATER

Work Order: 23110440  
 Report Date: 13-Dec-23  
 Client Sample ID: MW-23  
 Collection Date: 11/28/2023 11:21

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		16.61	ft	1	11/28/2023 11:21	R339877
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		9.4	NTU	1	11/28/2023 11:21	R339877
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		43	mV	1	11/28/2023 11:21	R339877
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		947	µS/cm	1	11/28/2023 11:21	R339877
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		13.0	°C	1	11/28/2023 11:21	R339877
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		1.52	mg/L	1	11/28/2023 11:21	R339877
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		6.96		1	11/28/2023 11:21	R339877
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	16	20		604	mg/L	1	11/29/2023 10:17	R339908
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	6	10		33	mg/L	1	12/01/2023 17:42	R340009
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.39	mg/L	1	11/29/2023 13:09	R339841
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		25	mg/L	1	12/01/2023 17:43	R340022
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100		106	mg/L	1	12/05/2023 17:51	215420
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010	J	0.0007	mg/L	5	12/06/2023 13:10	215420
Arsenic	NELAP	0.0004	0.0010		0.0021	mg/L	5	12/05/2023 0:07	215420
Barium	NELAP	0.0007	0.0010		0.0985	mg/L	5	12/05/2023 0:07	215420
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	12/05/2023 0:07	215420
Boron	NELAP	0.0092	0.0250		2.10	mg/L	5	12/05/2023 0:07	215420
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	12/05/2023 0:07	215420
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	12/05/2023 0:07	215420
Cobalt	NELAP	0.0001	0.0010		0.0013	mg/L	5	12/05/2023 0:07	215420
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	12/05/2023 0:07	215420
Lithium	*	0.0015	0.0030		< 0.0030	mg/L	5	12/05/2023 0:07	215420
Molybdenum	NELAP	0.0006	0.0015	J	0.0012	mg/L	5	12/06/2023 13:10	215420
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	12/05/2023 0:07	215420
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	12/05/2023 16:06	215420
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	12/06/2023 12:06	215503



## Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23110440

Client Project: KIN-23Q4

Report Date: 13-Dec-23

Lab ID: 23110440-010

Client Sample ID: MW-27

Matrix: GROUNDWATER

Collection Date: 11/28/2023 11:01

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		15.33	ft	1	11/28/2023 11:01	R339877
<i>Depth is to Top of Pump; no measureable groundwater.</i>									





## Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
 Client Project: KIN-23Q4  
 Lab ID: 23110440-011  
 Matrix: GROUNDWATER

Work Order: 23110440  
 Report Date: 13-Dec-23  
 Client Sample ID: MW-28  
 Collection Date: 11/28/2023 14:23

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		8.11	ft	1	11/28/2023 14:23	R339877
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		2.8	NTU	1	11/28/2023 14:23	R339877
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		77	mV	1	11/28/2023 14:23	R339877
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		1890	µS/cm	1	11/28/2023 14:23	R339877
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		14.5	°C	1	11/28/2023 14:23	R339877
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		1.04	mg/L	1	11/28/2023 14:23	R339877
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		6.58		1	11/28/2023 14:23	R339877
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	16	20		1780	mg/L	1	11/29/2023 10:17	R339908
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	123	200		891	mg/L	20	12/01/2023 17:55	R340009
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.15	mg/L	1	11/29/2023 13:10	R339841
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		13	mg/L	1	12/01/2023 17:51	R340022
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100		251	mg/L	1	12/05/2023 17:52	215420
<b>SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010	J	0.0005	mg/L	5	12/06/2023 13:15	215420
Arsenic	NELAP	0.0004	0.0010	J	0.0005	mg/L	5	12/05/2023 0:14	215420
Barium	NELAP	0.0007	0.0010		0.0282	mg/L	5	12/05/2023 0:14	215420
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	12/05/2023 0:14	215420
Boron	NELAP	0.0092	0.0250		8.20	mg/L	5	12/05/2023 0:14	215420
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	12/05/2023 0:14	215420
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	12/05/2023 0:14	215420
Cobalt	NELAP	0.0001	0.0010	J	0.0007	mg/L	5	12/05/2023 0:14	215420
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	12/05/2023 0:14	215420
Lithium	*	0.0015	0.0030		0.0061	mg/L	5	12/05/2023 0:14	215420
Molybdenum	NELAP	0.0006	0.0015		< 0.0015	mg/L	5	12/06/2023 13:15	215420
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	12/05/2023 0:14	215420
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	12/05/2023 16:12	215420
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	12/06/2023 13:03	215504



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
 Client Project: KIN-23Q4  
 Lab ID: 23110440-012  
 Matrix: GROUNDWATER

Work Order: 23110440  
 Report Date: 13-Dec-23  
 Client Sample ID: MW-3  
 Collection Date: 11/28/2023 12:08

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		8.62	ft	1	11/28/2023 12:08	R339877
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		6.2	NTU	1	11/28/2023 12:08	R339877
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		66	mV	1	11/28/2023 12:08	R339877
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		882	µS/cm	1	11/28/2023 12:08	R339877
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		12.8	°C	1	11/28/2023 12:08	R339877
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		1.59	mg/L	1	11/28/2023 12:08	R339877
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		6.97		1	11/28/2023 12:08	R339877
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	16	20		576	mg/L	1	11/29/2023 10:17	R339908
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	31	50		142	mg/L	5	12/01/2023 18:04	R340009
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.26	mg/L	1	11/29/2023 13:13	R339841
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		28	mg/L	1	12/01/2023 17:59	R340022
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100		89.8	mg/L	1	12/05/2023 17:56	215420
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		0.0018	mg/L	5	12/06/2023 14:13	215420
Arsenic	NELAP	0.0004	0.0010	J	0.0004	mg/L	5	12/05/2023 0:20	215420
Barium	NELAP	0.0007	0.0010		0.0461	mg/L	5	12/05/2023 0:20	215420
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	12/05/2023 0:20	215420
Boron	NELAP	0.0092	0.0250		1.68	mg/L	5	12/05/2023 0:20	215420
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	12/05/2023 0:20	215420
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	12/05/2023 0:20	215420
Cobalt	NELAP	0.0001	0.0010	J	0.0009	mg/L	5	12/05/2023 0:20	215420
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	12/05/2023 0:20	215420
Lithium	*	0.0015	0.0030	J	0.0017	mg/L	5	12/05/2023 0:20	215420
Molybdenum	NELAP	0.0006	0.0015	J	0.0010	mg/L	5	12/06/2023 14:13	215420
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	12/05/2023 0:20	215420
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	12/05/2023 16:19	215420
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	12/06/2023 13:06	215504



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
 Client Project: KIN-23Q4  
 Lab ID: 23110440-013  
 Matrix: GROUNDWATER

Work Order: 23110440  
 Report Date: 13-Dec-23  
 Client Sample ID: MW-30  
 Collection Date: 11/28/2023 12:24

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		25.56	ft	1	11/28/2023 12:24	R339877
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		35	NTU	1	11/28/2023 12:24	R339877
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		-66	mV	1	11/28/2023 12:24	R339877
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		1040	µS/cm	1	11/28/2023 12:24	R339877
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		13.5	°C	1	11/28/2023 12:24	R339877
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		1.38	mg/L	1	11/28/2023 12:24	R339877
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		6.57		1	11/28/2023 12:24	R339877
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	40	50		635	mg/L	2.5	11/29/2023 10:18	R339908
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	6	10		< 10	mg/L	1	12/01/2023 18:06	R340009
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.35	mg/L	1	11/29/2023 13:15	R339841
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		41	mg/L	1	12/01/2023 18:07	R340022
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100		108	mg/L	1	12/05/2023 17:57	215420
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		0.0010	mg/L	5	12/06/2023 14:18	215420
Arsenic	NELAP	0.0004	0.0010		0.0048	mg/L	5	12/05/2023 0:26	215420
Barium	NELAP	0.0007	0.0010		0.163	mg/L	5	12/05/2023 0:26	215420
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	12/05/2023 0:26	215420
Boron	NELAP	0.0092	0.0250		1.09	mg/L	5	12/05/2023 0:26	215420
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	12/05/2023 0:26	215420
Chromium	NELAP	0.0007	0.0015	J	0.0007	mg/L	5	12/05/2023 0:26	215420
Cobalt	NELAP	0.0001	0.0010		0.0021	mg/L	5	12/05/2023 0:26	215420
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	12/05/2023 0:26	215420
Lithium	*	0.0015	0.0030		< 0.0030	mg/L	5	12/05/2023 0:26	215420
Molybdenum	NELAP	0.0006	0.0015		0.0018	mg/L	5	12/06/2023 14:18	215420
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	12/05/2023 0:26	215420
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	12/05/2023 16:25	215420
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	12/06/2023 13:08	215504



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
 Client Project: KIN-23Q4  
 Lab ID: 23110440-014  
 Matrix: GROUNDWATER

Work Order: 23110440  
 Report Date: 13-Dec-23  
 Client Sample ID: MW-31  
 Collection Date: 11/27/2023 13:47

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		33.20	ft	1	11/27/2023 13:47	R339877
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		5.9	NTU	1	11/27/2023 13:47	R339877
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		-52	mV	1	11/27/2023 13:47	R339877
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		981	µS/cm	1	11/27/2023 13:47	R339877
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		13.1	°C	1	11/27/2023 13:47	R339877
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		2.30	mg/L	1	11/27/2023 13:47	R339877
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		6.65		1	11/27/2023 13:47	R339877
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	40	50		580	mg/L	2.5	11/28/2023 9:46	R339837
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	6	10		< 10	mg/L	1	12/01/2023 18:14	R340009
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.17	mg/L	1	11/28/2023 11:45	R339781
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		41	mg/L	1	12/01/2023 18:14	R340022
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100		121	mg/L	1	12/05/2023 17:58	215420
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010	J	0.0006	mg/L	5	12/06/2023 14:23	215420
Arsenic	NELAP	0.0004	0.0010		0.0027	mg/L	5	12/05/2023 0:32	215420
Barium	NELAP	0.0007	0.0010		0.269	mg/L	5	12/05/2023 0:32	215420
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	12/05/2023 0:32	215420
Boron	NELAP	0.0092	0.0250		0.210	mg/L	5	12/05/2023 0:32	215420
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	12/05/2023 0:32	215420
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	12/05/2023 0:32	215420
Cobalt	NELAP	0.0001	0.0010	J	0.0008	mg/L	5	12/05/2023 0:32	215420
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	12/05/2023 0:32	215420
Lithium	*	0.0015	0.0030		0.0059	mg/L	5	12/05/2023 0:32	215420
Molybdenum	NELAP	0.0006	0.0015	J	0.0006	mg/L	5	12/06/2023 14:23	215420
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	12/05/2023 0:32	215420
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	12/05/2023 16:31	215420
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020	S	< 0.00020	mg/L	1	12/05/2023 11:40	215455

Matrix spike did not recover within control limits due to sample composition. Verified by re-prep and re-analysis.



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
 Client Project: KIN-23Q4  
 Lab ID: 23110440-015  
 Matrix: GROUNDWATER

Work Order: 23110440  
 Report Date: 13-Dec-23  
 Client Sample ID: MW-31S  
 Collection Date: 11/27/2023 13:09

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		20.31	ft	1	11/27/2023 13:09	R339877
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		9.5	NTU	1	11/27/2023 13:09	R339877
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		-86	mV	1	11/27/2023 13:09	R339877
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		1230	µS/cm	1	11/27/2023 13:09	R339877
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		14.0	°C	1	11/27/2023 13:09	R339877
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		1.34	mg/L	1	11/27/2023 13:09	R339877
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		6.54		1	11/27/2023 13:09	R339877
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	40	50		730	mg/L	2.5	11/28/2023 9:46	R339837
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	6	10		< 10	mg/L	1	12/01/2023 18:38	R340009
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.31	mg/L	1	11/28/2023 11:47	R339781
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		15	mg/L	1	12/01/2023 18:39	R340022
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100		143	mg/L	1	12/05/2023 17:58	215420
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010	J	0.0005	mg/L	5	12/06/2023 14:28	215420
Arsenic	NELAP	0.0004	0.0010		0.0147	mg/L	5	12/05/2023 0:38	215420
Barium	NELAP	0.0007	0.0010		0.373	mg/L	5	12/05/2023 0:38	215420
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	12/05/2023 0:38	215420
Boron	NELAP	0.0092	0.0250		0.0555	mg/L	5	12/05/2023 0:38	215420
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	12/05/2023 0:38	215420
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	12/05/2023 0:38	215420
Cobalt	NELAP	0.0001	0.0010		0.0042	mg/L	5	12/05/2023 0:38	215420
Lead	NELAP	0.0006	0.0010		0.0010	mg/L	5	12/05/2023 0:38	215420
Lithium	*	0.0015	0.0030		< 0.0030	mg/L	5	12/05/2023 0:38	215420
Molybdenum	NELAP	0.0006	0.0015	J	0.0009	mg/L	5	12/06/2023 14:28	215420
Selenium	NELAP	0.0006	0.0010	J	0.0009	mg/L	5	12/05/2023 0:38	215420
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	12/05/2023 16:37	215420
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	12/05/2023 11:49	215455



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
 Client Project: KIN-23Q4  
 Lab ID: 23110440-016  
 Matrix: GROUNDWATER

Work Order: 23110440  
 Report Date: 13-Dec-23  
 Client Sample ID: MW-32  
 Collection Date: 11/27/2023 11:32

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		25.50	ft	1	11/27/2023 11:32	R339877
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		4.3	NTU	1	11/27/2023 11:32	R339877
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		142	mV	1	11/27/2023 11:32	R339877
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		1390	µS/cm	1	11/27/2023 11:32	R339877
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		14.1	°C	1	11/27/2023 11:32	R339877
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		1.38	mg/L	1	11/27/2023 11:32	R339877
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		6.38		1	11/27/2023 11:32	R339877
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	40	50		1060	mg/L	2.5	11/28/2023 9:47	R339837
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	61	100		356	mg/L	10	12/05/2023 11:02	R340126
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.17	mg/L	1	11/28/2023 11:40	R339781
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		11	mg/L	1	12/01/2023 18:47	R340022
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100		163	mg/L	1	12/05/2023 17:59	215420
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	12/06/2023 14:33	215420
Arsenic	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	12/05/2023 0:44	215420
Barium	NELAP	0.0007	0.0010		0.0505	mg/L	5	12/05/2023 0:44	215420
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	12/05/2023 0:44	215420
Boron	NELAP	0.0092	0.0250		1.61	mg/L	5	12/05/2023 0:44	215420
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	12/05/2023 0:44	215420
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	12/05/2023 0:44	215420
Cobalt	NELAP	0.0001	0.0010	J	0.0005	mg/L	5	12/05/2023 0:44	215420
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	12/05/2023 0:44	215420
Lithium	*	0.0015	0.0030		< 0.0030	mg/L	5	12/05/2023 0:44	215420
Molybdenum	NELAP	0.0006	0.0015		< 0.0015	mg/L	5	12/06/2023 14:33	215420
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	12/05/2023 0:44	215420
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	12/05/2023 16:43	215420
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	12/05/2023 11:52	215455



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
 Client Project: KIN-23Q4  
 Lab ID: 23110440-017  
 Matrix: GROUNDWATER

Work Order: 23110440  
 Report Date: 13-Dec-23

Client Sample ID: MW-5

Collection Date: 11/27/2023 12:31

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		28.57	ft	1	11/27/2023 12:31	R339877
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		10	NTU	1	11/27/2023 12:31	R339877
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		21	mV	1	11/27/2023 12:31	R339877
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		1220	µS/cm	1	11/27/2023 12:31	R339877
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		10.9	°C	1	11/27/2023 12:31	R339877
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		0.95	mg/L	1	11/27/2023 12:31	R339877
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		6.62		1	11/27/2023 12:31	R339877
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	16	20		760	mg/L	1	11/28/2023 9:47	R339837
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	6	10		13	mg/L	1	12/06/2023 16:12	R340185
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.17	mg/L	1	11/28/2023 11:42	R339781
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		44	mg/L	1	12/01/2023 18:54	R340022
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100		146	mg/L	1	12/05/2023 18:00	215420
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	12/06/2023 14:44	215420
Arsenic	NELAP	0.0004	0.0010		0.0015	mg/L	5	12/05/2023 0:50	215420
Barium	NELAP	0.0007	0.0010		0.162	mg/L	5	12/05/2023 0:50	215420
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	12/05/2023 0:50	215420
Boron	NELAP	0.0092	0.0250		0.513	mg/L	5	12/05/2023 0:50	215420
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	12/05/2023 0:50	215420
Chromium	NELAP	0.0007	0.0015	J	0.0010	mg/L	5	12/05/2023 0:50	215420
Cobalt	NELAP	0.0001	0.0010	J	0.0009	mg/L	5	12/05/2023 0:50	215420
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	12/05/2023 0:50	215420
Lithium	*	0.0015	0.0030	J	0.0029	mg/L	5	12/05/2023 0:50	215420
Molybdenum	NELAP	0.0006	0.0015	J	0.0009	mg/L	5	12/06/2023 14:44	215420
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	12/05/2023 0:50	215420
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	12/05/2023 17:14	215420
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	12/06/2023 10:50	215461



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
 Client Project: KIN-23Q4  
 Lab ID: 23110440-018  
 Matrix: GROUNDWATER

Work Order: 23110440  
 Report Date: 13-Dec-23

Client Sample ID: MW-6

Collection Date: 11/28/2023 13:36

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		12.05	ft	1	11/28/2023 13:36	R339877
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		15	NTU	1	11/28/2023 13:36	R339877
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		74	mV	1	11/28/2023 13:36	R339877
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		923	µS/cm	1	11/28/2023 13:36	R339877
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		14.6	°C	1	11/28/2023 13:36	R339877
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		3.19	mg/L	1	11/28/2023 13:36	R339877
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		6.40		1	11/28/2023 13:36	R339877
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	16	20		670	mg/L	1	11/29/2023 10:18	R339908
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	61	100		222	mg/L	10	12/05/2023 11:10	R340126
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.20	mg/L	1	11/29/2023 13:25	R339841
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		9	mg/L	1	12/01/2023 18:57	R340022
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100		110	mg/L	1	12/05/2023 18:01	215420
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	12/06/2023 14:49	215420
Arsenic	NELAP	0.0004	0.0010	J	0.0004	mg/L	5	12/05/2023 1:21	215420
Barium	NELAP	0.0007	0.0010		0.0503	mg/L	5	12/05/2023 1:21	215420
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	12/05/2023 1:21	215420
Boron	NELAP	0.0092	0.0250		1.44	mg/L	5	12/05/2023 1:21	215420
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	12/05/2023 1:21	215420
Chromium	NELAP	0.0007	0.0015	J	0.0013	mg/L	5	12/05/2023 1:21	215420
Cobalt	NELAP	0.0001	0.0010	J	0.0002	mg/L	5	12/05/2023 1:21	215420
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	12/05/2023 1:21	215420
Lithium	*	0.0015	0.0030	J	0.0018	mg/L	5	12/05/2023 1:21	215420
Molybdenum	NELAP	0.0006	0.0015		< 0.0015	mg/L	5	12/06/2023 14:49	215420
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	12/05/2023 1:21	215420
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	12/05/2023 17:20	215420
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	12/06/2023 13:11	215504





# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
 Client Project: KIN-23Q4  
 Lab ID: 23110440-019  
 Matrix: GROUNDWATER

Work Order: 23110440  
 Report Date: 13-Dec-23

Client Sample ID: MW-7

Collection Date: 11/27/2023 13:35

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		9.44	ft	1	11/27/2023 13:35	R339877
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		11	NTU	1	11/27/2023 13:35	R339877
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		27	mV	1	11/27/2023 13:35	R339877
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		1290	µS/cm	1	11/27/2023 13:35	R339877
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		13.7	°C	1	11/27/2023 13:35	R339877
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		1.32	mg/L	1	11/27/2023 13:35	R339877
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		6.75		1	11/27/2023 13:35	R339877
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	40	50		1000	mg/L	2.5	11/28/2023 9:47	R339837
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	61	100		360	mg/L	10	12/05/2023 11:12	R340126
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.28	mg/L	1	11/28/2023 11:49	R339781
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		8	mg/L	1	12/01/2023 19:05	R340022
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100		174	mg/L	1	12/05/2023 18:01	215420
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	12/06/2023 14:54	215420
Arsenic	NELAP	0.0004	0.0010		0.0010	mg/L	5	12/05/2023 1:27	215420
Barium	NELAP	0.0007	0.0010		0.0605	mg/L	5	12/05/2023 1:27	215420
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	12/05/2023 1:27	215420
Boron	NELAP	0.0092	0.0250		0.563	mg/L	5	12/05/2023 1:27	215420
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	12/05/2023 1:27	215420
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	12/05/2023 1:27	215420
Cobalt	NELAP	0.0001	0.0010		0.0012	mg/L	5	12/05/2023 1:27	215420
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	12/05/2023 1:27	215420
Lithium	*	0.0015	0.0030	J	0.0028	mg/L	5	12/05/2023 1:27	215420
Molybdenum	NELAP	0.0006	0.0015		0.0023	mg/L	5	12/06/2023 14:54	215420
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	12/05/2023 1:27	215420
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	12/05/2023 17:26	215420
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	12/06/2023 10:52	215461



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
 Client Project: KIN-23Q4  
 Lab ID: 23110440-020  
 Matrix: GROUNDWATER

Work Order: 23110440  
 Report Date: 13-Dec-23  
 Client Sample ID: MW-7S  
 Collection Date: 11/27/2023 12:54

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		10.24	ft	1	11/27/2023 12:54	R339877
<i>Depth is to Top of Pump; no measureable groundwater.</i>									
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		4.5	NTU	1	11/27/2023 12:54	R339877
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		-56	mV	1	11/27/2023 12:54	R339877
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		1610	µS/cm	1	11/27/2023 12:54	R339877
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		14.8	°C	1	11/27/2023 12:54	R339877
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		0.86	mg/L	1	11/27/2023 12:54	R339877
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		6.68		1	11/27/2023 12:54	R339877
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	40	50		1300	mg/L	2.5	11/28/2023 9:53	R339837
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	123	200		525	mg/L	20	12/01/2023 19:31	R340009
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.29	mg/L	1	11/28/2023 11:50	R339781
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		9	mg/L	1	12/01/2023 19:13	R340022
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100		180	mg/L	1	12/05/2023 18:02	215420
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	12/06/2023 14:59	215420
Arsenic	NELAP	0.0004	0.0010		0.0095	mg/L	5	12/05/2023 1:33	215420
Barium	NELAP	0.0007	0.0010		0.0359	mg/L	5	12/05/2023 1:33	215420
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	12/05/2023 1:33	215420
Boron	NELAP	0.0092	0.0250		4.81	mg/L	5	12/05/2023 1:33	215420
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	12/05/2023 1:33	215420
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	12/05/2023 1:33	215420
Cobalt	NELAP	0.0001	0.0010		0.0012	mg/L	5	12/05/2023 1:33	215420
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	12/05/2023 1:33	215420
Lithium	*	0.0015	0.0030		< 0.0030	mg/L	5	12/05/2023 1:33	215420
Molybdenum	NELAP	0.0006	0.0015	J	0.0014	mg/L	5	12/06/2023 14:59	215420
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	12/05/2023 1:33	215420
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	12/05/2023 17:32	215420
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	12/06/2023 10:54	215461



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
 Client Project: KIN-23Q4  
 Lab ID: 23110440-021  
 Matrix: GROUNDWATER

Work Order: 23110440  
 Report Date: 13-Dec-23  
 Client Sample ID: MW-8  
 Collection Date: 11/28/2023 10:35

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		9.52	ft	1	11/28/2023 10:35	R339877
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		1.6	NTU	1	11/28/2023 10:35	R339877
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		110	mV	1	11/28/2023 10:35	R339877
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		1170	µS/cm	1	11/28/2023 10:35	R339877
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		14.1	°C	1	11/28/2023 10:35	R339877
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		0.94	mg/L	1	11/28/2023 10:35	R339877
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		6.41		1	11/28/2023 10:35	R339877
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	16	20		808	mg/L	1	11/29/2023 10:18	R339908
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	61	100		222	mg/L	10	12/01/2023 19:39	R340009
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.23	mg/L	1	11/29/2023 13:28	R339841
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		21	mg/L	1	12/01/2023 19:35	R340022
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100	S	147	mg/L	1	12/05/2023 18:06	215420
<i>Matrix spike control limits are not applicable due to high sample/spike ratio.</i>									
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	12/06/2023 15:41	215420
Arsenic	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	12/05/2023 2:03	215420
Barium	NELAP	0.0007	0.0010		0.0311	mg/L	5	12/05/2023 2:03	215420
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	12/05/2023 2:03	215420
Boron	NELAP	0.0092	0.0250		1.03	mg/L	5	12/05/2023 2:03	215420
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	12/05/2023 2:03	215420
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	12/05/2023 2:03	215420
Cobalt	NELAP	0.0001	0.0010		0.0013	mg/L	5	12/05/2023 2:03	215420
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	12/05/2023 2:03	215420
Lithium	*	0.0015	0.0030	J	0.0019	mg/L	5	12/05/2023 2:03	215420
Molybdenum	NELAP	0.0006	0.0015		< 0.0015	mg/L	5	12/06/2023 15:41	215420
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	12/05/2023 2:03	215420
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	12/05/2023 17:57	215420
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	12/06/2023 13:13	215504



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q4

Work Order: 23110440  
Report Date: 13-Dec-23

Lab ID: 23110440-022

Client Sample ID: MW-8S

Matrix: GROUNDWATER

Collection Date: 11/27/2023 14:17

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		7.50	ft	1	11/27/2023 14:17	R339877
<i>Depth is to Top of Pump; no measureable groundwater.</i>									



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
 Client Project: KIN-23Q4  
 Lab ID: 23110440-024  
 Matrix: GROUNDWATER

Work Order: 23110440  
 Report Date: 13-Dec-23  
 Client Sample ID: PZ-4C  
 Collection Date: 11/28/2023 14:01

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		7.56	ft	1	11/28/2023 14:01	R339877
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		13	NTU	1	11/28/2023 14:01	R339877
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		-295	mV	1	11/28/2023 14:01	R339877
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		877	µS/cm	1	11/28/2023 14:01	R339877
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		13.6	°C	1	11/28/2023 14:01	R339877
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		1.00	mg/L	1	11/28/2023 14:01	R339877
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		7.36		1	11/28/2023 14:01	R339877
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	40	50		535	mg/L	2.5	11/29/2023 10:26	R339908
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	6	10		38	mg/L	1	12/01/2023 19:50	R340009
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.40	mg/L	1	11/29/2023 13:30	R339841
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		35	mg/L	1	12/01/2023 19:50	R340022
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100		106	mg/L	1	12/05/2023 18:09	215420
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		0.0014	mg/L	5	12/06/2023 15:31	215420
Arsenic	NELAP	0.0004	0.0010		0.0013	mg/L	5	12/05/2023 1:45	215420
Barium	NELAP	0.0007	0.0010		0.277	mg/L	5	12/05/2023 1:45	215420
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	12/05/2023 1:45	215420
Boron	NELAP	0.0092	0.0250		1.59	mg/L	5	12/05/2023 1:45	215420
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	12/05/2023 1:45	215420
Chromium	NELAP	0.0007	0.0015	J	0.0011	mg/L	5	12/05/2023 1:45	215420
Cobalt	NELAP	0.0001	0.0010	J	0.0003	mg/L	5	12/05/2023 1:45	215420
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	12/05/2023 1:45	215420
Lithium	*	0.0015	0.0030		0.0077	mg/L	5	12/05/2023 1:45	215420
Molybdenum	NELAP	0.0006	0.0015	J	0.0009	mg/L	5	12/06/2023 15:31	215420
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	12/05/2023 1:45	215420
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	12/05/2023 17:45	215420
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	12/06/2023 13:24	215504



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23110440

Client Project: KIN-23Q4

Report Date: 13-Dec-23

Lab ID: 23110440-025

Client Sample ID: SG-02

Matrix: GROUNDWATER

Collection Date: 11/27/2023 10:30

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		14.73	ft	1	11/27/2023 10:30	R339877



## Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23110440

Client Project: KIN-23Q4

Report Date: 13-Dec-23

Lab ID: 23110440-026

Client Sample ID: XSG-01

Matrix: GROUNDWATER

Collection Date: 11/27/2023 9:49

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		5.52	ft	1	11/27/2023 9:49	R339877



## Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
 Client Project: KIN-23Q4  
 Lab ID: 23110440-027  
 Matrix: AQUEOUS

Work Order: 23110440  
 Report Date: 13-Dec-23  
 Client Sample ID: Field Blank  
 Collection Date: 11/29/2023 10:35

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	16	20		< 20	mg/L	1	11/29/2023 13:47	R339908
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	6	10		< 10	mg/L	1	12/01/2023 19:58	R340009
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		< 0.10	mg/L	1	11/30/2023 10:09	R339841
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		< 4	mg/L	1	12/01/2023 19:58	R340022
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100		< 0.100	mg/L	1	12/05/2023 18:10	215420
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010	J	0.0006	mg/L	5	12/06/2023 15:36	215420
Arsenic	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	12/05/2023 1:51	215420
Barium	NELAP	0.0007	0.0010		< 0.0010	mg/L	5	12/05/2023 1:51	215420
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	12/05/2023 1:51	215420
Boron	NELAP	0.0092	0.025	J	0.0094	mg/L	5	12/05/2023 1:51	215420
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	12/05/2023 1:51	215420
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	12/05/2023 1:51	215420
Cobalt	NELAP	0.0001	0.0010		< 0.0010	mg/L	5	12/05/2023 1:51	215420
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	12/05/2023 1:51	215420
Lithium	*	0.0015	0.0030		< 0.0030	mg/L	5	12/05/2023 1:51	215420
Molybdenum	NELAP	0.0006	0.0015		< 0.0015	mg/L	5	12/06/2023 15:36	215420
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	12/05/2023 1:51	215420
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	12/05/2023 17:51	215420
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	12/06/2023 13:26	215504





## Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
 Client Project: KIN-23Q4  
 Lab ID: 23110440-028  
 Matrix: GROUNDWATER

Work Order: 23110440  
 Report Date: 13-Dec-23  
 Client Sample ID: MW-8 Duplicate  
 Collection Date: 11/28/2023 10:35

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		9.52	ft	1	11/28/2023 10:35	R339877
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		1.6	NTU	1	11/28/2023 10:35	R339877
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		110	mV	1	11/28/2023 10:35	R339877
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		1170	µS/cm	1	11/28/2023 10:35	R339877
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		14.1	°C	1	11/28/2023 10:35	R339877
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		0.94	mg/L	1	11/28/2023 10:35	R339877
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		6.41		1	11/28/2023 10:35	R339877
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	16	20		820	mg/L	1	11/29/2023 10:27	R339908
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	61	100		228	mg/L	10	12/01/2023 20:06	R340009
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.23	mg/L	1	11/29/2023 13:32	R339841
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		21	mg/L	1	12/01/2023 20:01	R340022
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100		141	mg/L	1	12/05/2023 18:11	215420
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010	J	0.0009	mg/L	5	12/06/2023 14:38	215420
Arsenic	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	12/05/2023 1:57	215420
Barium	NELAP	0.0007	0.0010		0.0312	mg/L	5	12/05/2023 1:57	215420
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	12/05/2023 1:57	215420
Boron	NELAP	0.0092	0.0250		1.02	mg/L	5	12/05/2023 1:57	215420
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	12/05/2023 1:57	215420
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	12/05/2023 1:57	215420
Cobalt	NELAP	0.0001	0.0010		0.0012	mg/L	5	12/05/2023 1:57	215420
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	12/05/2023 1:57	215420
Lithium	*	0.0015	0.0030	J	0.0019	mg/L	5	12/05/2023 1:57	215420
Molybdenum	NELAP	0.0006	0.0015	J	0.0006	mg/L	5	12/06/2023 14:38	215420
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	12/05/2023 1:57	215420
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	12/05/2023 19:30	215420
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	12/06/2023 13:33	215504



## Sample Summary

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q4

Work Order: 23110440  
Report Date: 13-Dec-23

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
23110440-001	MW-1	Groundwater	2	11/27/2023 12:05
23110440-002	MW-11	Groundwater	2	11/28/2023 10:44
23110440-003	MW-12	Groundwater	2	11/28/2023 10:03
23110440-006	MW-2	Groundwater	2	11/27/2023 11:11
23110440-007	MW-20	Groundwater	2	11/28/2023 13:20
23110440-008	MW-20S	Groundwater	2	11/28/2023 12:41
23110440-009	MW-23	Groundwater	2	11/28/2023 11:21
23110440-010	MW-27	Groundwater	2	11/28/2023 11:01
23110440-011	MW-28	Groundwater	2	11/28/2023 14:23
23110440-012	MW-3	Groundwater	2	11/28/2023 12:08
23110440-013	MW-30	Groundwater	2	11/28/2023 12:24
23110440-014	MW-31	Groundwater	2	11/27/2023 13:47
23110440-015	MW-31S	Groundwater	2	11/27/2023 13:09
23110440-016	MW-32	Groundwater	2	11/27/2023 11:32
23110440-017	MW-5	Groundwater	2	11/27/2023 12:31
23110440-018	MW-6	Groundwater	2	11/28/2023 13:36
23110440-019	MW-7	Groundwater	2	11/27/2023 13:35
23110440-020	MW-7S	Groundwater	2	11/27/2023 12:54
23110440-021	MW-8	Groundwater	2	11/28/2023 10:35
23110440-022	MW-8S	Groundwater	2	11/27/2023 14:17
23110440-024	PZ-4C	Groundwater	2	11/28/2023 14:01
23110440-025	SG-02	Groundwater	1	11/27/2023 10:30
23110440-026	XSG-01	Groundwater	1	11/27/2023 9:49
23110440-027	Field Blank	Aqueous	2	11/29/2023 10:35
23110440-028	MW-8 Duplicate	Groundwater	2	11/28/2023 10:35



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23110440

Client Project: KIN-23Q4

Report Date: 13-Dec-23

### STANDARD METHODS 2510 B FIELD

Batch R339877		SampType: LCS		Units $\mu\text{S/cm}$							
SampID: LCS-R339877-1											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Spec. Conductance, Field	*	0		1420	1412	0	100.2	90	110	11/27/2023	

Batch R339877		SampType: LCS		Units $\mu\text{S/cm}$							
SampID: LCS-R339877-2											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Spec. Conductance, Field	*	0		1420	1412	0	100.4	90	110	11/27/2023	

Batch R339877		SampType: LCS		Units $\mu\text{S/cm}$							
SampID: LCS-R339877-3											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Spec. Conductance, Field	*	0		1430	1412	0	101.6	90	110	11/28/2023	

Batch R339877		SampType: LCS		Units $\mu\text{S/cm}$							
SampID: LCS-R339877-4											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Spec. Conductance, Field	*	0		1420	1412	0	100.2	90	110	11/28/2023	

Batch R339877		SampType: LCS		Units $\mu\text{S/cm}$							
SampID: LCS-R339877-5											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Spec. Conductance, Field	*	0		1440	1412	0	102.1	90	110	11/29/2023	

### SW-846 9040B FIELD

Batch R339877		SampType: LCS		Units							
SampID: LCS-R339877-1											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
pH	*	1.00		7.10	7.000	0	101.4	98.57	101.4	11/27/2023	

Batch R339877		SampType: LCS		Units							
SampID: LCS-R339877-2											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
pH	*	1.00		7.01	7.000	0	100.1	98.57	101.4	11/27/2023	



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23110440

Client Project: KIN-23Q4

Report Date: 13-Dec-23

### SW-846 9040B FIELD

Batch R339877		SampType: LCS		Units							Date Analyzed
SampID: LCS-R339877-3											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
pH	*	1.00		<b>7.01</b>	7.000	0	100.1	98.57	101.4	11/28/2023	

Batch R339877		SampType: LCS		Units							Date Analyzed
SampID: LCS-R339877-4											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
pH	*	1.00		<b>7.05</b>	7.000	0	100.7	98.57	101.4	11/28/2023	

Batch R339877		SampType: LCS		Units							Date Analyzed
SampID: LCS-R339877-5											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
pH	*	1.00		<b>7.04</b>	7.000	0	100.6	98.57	101.4	11/29/2023	

### STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R339837		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Total Dissolved Solids		20		<b>&lt; 20</b>	16.00	0	0	-100	100	11/28/2023	

Batch R339837		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Total Dissolved Solids		20		<b>994</b>	1000	0	99.4	90	110	11/28/2023	

Batch R339837		SampType: DUP		Units mg/L		RPD Limit 10					Date Analyzed
SampID: 23110440-001ADUP											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Total Dissolved Solids		20		<b>338</b>				324.0	4.23	11/28/2023	

Batch R339908		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Total Dissolved Solids		20		<b>&lt; 20</b>	16.00	0	0	-100	100	11/29/2023	



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23110440

Client Project: KIN-23Q4

Report Date: 13-Dec-23

### STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R339908		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Total Dissolved Solids		20		970	1000	0	97.0	90	110	11/29/2023	

Batch R339908		SampType: DUP		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23111973-001ADUP												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Total Dissolved Solids		20		498				508.0	1.99	11/29/2023		

Batch R339971		SampType: MBLK		Units mg/L							Date Analyzed
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	11/30/2023	

Batch R339971		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Total Dissolved Solids		20		990	1000	0	99.0	90	110	11/30/2023	

Batch R339971		SampType: DUP		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23112078-012ADUP												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Total Dissolved Solids		20		350				380.0	8.22	12/01/2023		

### SW-846 9036 (TOTAL)

Batch R340009		SampType: MBLK		Units mg/L							Date Analyzed
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10		< 10	6.140	0	0	-100	100	12/01/2023	

Batch R340009		SampType: LCS		Units mg/L							Date Analyzed
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10		19	20.00	0	95.5	90	110	12/01/2023	



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23110440

Client Project: KIN-23Q4

Report Date: 13-Dec-23

### SW-846 9036 (TOTAL)

Batch R340009		SampType: MS		Units mg/L							Date Analyzed
SampID: 23110440-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		50		<b>192</b>	100.0	91.92	100.2	85	115	12/01/2023	

Batch R340009		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23110440-001AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Sulfate		50		<b>188</b>	100.0	91.92	95.7	192.1	2.34	12/01/2023		

Batch R340009		SampType: MS		Units mg/L							Date Analyzed
SampID: 23111685-001CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		100		<b>370</b>	200.0	176.4	96.8	90	110	12/01/2023	

Batch R340009		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23111685-001CMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Sulfate		100		<b>369</b>	200.0	176.4	96.3	370.1	0.26	12/01/2023		

Batch R340009		SampType: MS		Units mg/L							Date Analyzed
SampID: 23111785-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10	S	<b>42</b>	20.00	35.33	35.0	90	110	12/01/2023	

Batch R340009		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23111785-001AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Sulfate		10	S	<b>42</b>	20.00	35.33	33.1	42.32	0.88	12/01/2023		

Batch R340009		SampType: MS		Units mg/L							Date Analyzed
SampID: 23112066-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		20	S	<b>59</b>	40.00	23.04	88.7	90	110	12/01/2023	

Batch R340009		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23112066-001AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Sulfate		20		<b>59</b>	40.00	23.04	90.2	58.51	1.00	12/01/2023		



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23110440

Client Project: KIN-23Q4

Report Date: 13-Dec-23

### SW-846 9036 (TOTAL)

Batch R340009		SampType: MS		Units mg/L							Date Analyzed
SampID: 23112078-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		100		<b>316</b>	200.0	133.3	91.2	85	115	12/01/2023	

Batch R340009		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23112078-001AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Sulfate		100		<b>319</b>	200.0	133.3	92.9	315.7	1.06	12/01/2023		

Batch R340126		SampType: MBLK		Units mg/L							Date Analyzed
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10		<b>&lt; 10</b>	6.140	0	0	-100	100	12/05/2023	

Batch R340126		SampType: LCS		Units mg/L							Date Analyzed
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10		<b>19</b>	20.00	0	95.0	90	110	12/05/2023	

Batch R340126		SampType: MS		Units mg/L							Date Analyzed
SampID: 23112078-010AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		20		<b>92</b>	40.00	53.68	94.8	85	115	12/05/2023	

Batch R340126		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23112078-010AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Sulfate		20		<b>92</b>	40.00	53.68	96.7	91.58	0.84	12/05/2023		

Batch R340126		SampType: MS		Units mg/L							Date Analyzed
SampID: 23120036-001BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10		<b>19</b>	20.00	0	94.3	90	110	12/05/2023	

Batch R340126		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23120036-001BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Sulfate		10		<b>19</b>	20.00	0	96.5	18.86	2.31	12/05/2023		



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23110440

Client Project: KIN-23Q4

Report Date: 13-Dec-23

### SW-846 9036 (TOTAL)

Batch R340126		SampType: MS		Units mg/L							Date Analyzed
SampID: 23120190-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10		<b>32</b>	20.00	14.61	85.0	85	115	12/05/2023	

Batch R340126		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23120190-001AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Sulfate		10		<b>32</b>	20.00	14.61	85.0	31.60	0.06	12/05/2023		

Batch R340185		SampType: MBLK		Units mg/L							Date Analyzed
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10		<b>&lt; 10</b>	6.140	0	0	-100	100	12/06/2023	

Batch R340185		SampType: LCS		Units mg/L							Date Analyzed
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10		<b>21</b>	20.00	0	107.4	90	110	12/06/2023	

Batch R340185		SampType: MS		Units mg/L							Date Analyzed
SampID: 23112017-007AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		100		<b>390</b>	200.0	207.1	91.7	85	115	12/06/2023	

Batch R340185		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23112017-007AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Sulfate		100		<b>385</b>	200.0	207.1	88.9	390.5	1.43	12/06/2023		

Batch R340185		SampType: MS		Units mg/L							Date Analyzed
SampID: 23120088-001BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		200		<b>625</b>	400.0	257.5	91.8	90	110	12/06/2023	

Batch R340185		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23120088-001BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Sulfate		200		<b>629</b>	400.0	257.5	92.8	624.8	0.61	12/06/2023		





## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23110440

Client Project: KIN-23Q4

Report Date: 13-Dec-23

### SW-846 9036 (TOTAL)

Batch R340185		SampType: MS		Units mg/L							Date Analyzed
SampID: 23120202-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		1000		<b>3980</b>	2000	2009	98.8	90	110	12/06/2023	

Batch R340185		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23120202-001AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Sulfate		1000		<b>3990</b>	2000	2009	99.2	3984	0.22	12/06/2023		

Batch R340185		SampType: MS		Units mg/L							Date Analyzed
SampID: 23120317-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10		<b>40</b>	20.00	22.03	91.4	85	115	12/06/2023	

Batch R340185		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23120317-001AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Sulfate		10		<b>41</b>	20.00	22.03	92.6	40.32	0.54	12/06/2023		

### SW-846 9214 (TOTAL)

Batch R339781		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		<b>&lt; 0.10</b>	0.0500	0	0	-100	100	11/28/2023	

Batch R339781		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		<b>0.98</b>	1.000	0	98.3	90	110	11/28/2023	

Batch R339781		SampType: MS		Units mg/L							Date Analyzed
SampID: 23110002-027AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		<b>2.55</b>	2.000	0.4220	106.5	75	125	11/28/2023	



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23110440

Client Project: KIN-23Q4

Report Date: 13-Dec-23

### SW-846 9214 (TOTAL)

Batch R339781		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 23110002-027AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Fluoride		0.10		2.56	2.000	0.4220	106.7	2.552	0.16	11/28/2023	

Batch R339781		SampType: MS		Units mg/L							
SampID: 23110002-035AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.46	2.000	0.3380	106.3	75	125	11/28/2023	

Batch R339781		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 23110002-035AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Fluoride		0.10		2.47	2.000	0.3380	106.8	2.464	0.36	11/28/2023	

Batch R339781		SampType: MS		Units mg/L							
SampID: 23110002-057AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.45	2.000	0.3060	107.0	75	125	11/28/2023	

Batch R339781		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 23110002-057AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Fluoride		0.10		2.44	2.000	0.3060	106.6	2.447	0.33	11/28/2023	

Batch R339781		SampType: MS		Units mg/L							
SampID: 23110002-066AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.48	2.000	0.3340	107.4	75	125	11/28/2023	

Batch R339781		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 23110002-066AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Fluoride		0.10		2.45	2.000	0.3340	105.7	2.482	1.38	11/28/2023	

Batch R339781		SampType: MS		Units mg/L							
SampID: 23110002-090AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.56	2.000	0.3530	110.2	75	125	11/28/2023	



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23110440

Client Project: KIN-23Q4

Report Date: 13-Dec-23

**SW-846 9214 (TOTAL)**

Batch R339781		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 23110002-090AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Fluoride		0.10		2.48	2.000	0.3530	106.5	2.557	2.94	11/28/2023	

Batch R339781		SampType: MS		Units mg/L				RPD Limit 15			
SampID: 23110002-102CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.02	2.000	0	101.0	75	125	11/28/2023	

Batch R339781		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 23110002-102CMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Fluoride		0.10		2.02	2.000	0	100.8	2.019	0.20	11/28/2023	

Batch R339781		SampType: MS		Units mg/L				RPD Limit 15			
SampID: 23110002-107AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.50	2.000	0.3860	105.8	75	125	11/28/2023	

Batch R339781		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 23110002-107AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Fluoride		0.10		2.54	2.000	0.3860	107.6	2.502	1.43	11/28/2023	

Batch R339781		SampType: MS		Units mg/L				RPD Limit 15			
SampID: 23110440-020AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.41	2.000	0.2890	106.1	75	125	11/28/2023	

Batch R339781		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 23110440-020AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Fluoride		0.10		2.32	2.000	0.2890	101.7	2.411	3.76	11/28/2023	

Batch R339841		SampType: MBLK		Units mg/L				RPD Limit 15			
SampID: MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		< 0.10	0.0500	0	0	-100	100	11/29/2023	



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23110440

Client Project: KIN-23Q4

Report Date: 13-Dec-23

### SW-846 9214 (TOTAL)

Batch R339841		SampType: LCS		Units mg/L							
SampID: LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		1.00	1.000	0	99.5	90	110	11/29/2023	

Batch R339841		SampType: MS		Units mg/L							
SampID: 23110440-013AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.46	2.000	0.3480	105.8	75	125	11/29/2023	

Batch R339841		SampType: MSD		Units mg/L							
SampID: 23110440-013AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Fluoride		0.10		2.47	2.000	0.3480	106.1	2.465	0.20	11/29/2023	

Batch R339841		SampType: MS		Units mg/L							
SampID: 23111951-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		3.08	2.000	0.9510	106.4	75	125	11/29/2023	

Batch R339841		SampType: MSD		Units mg/L							
SampID: 23111951-001AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Fluoride		0.10		3.01	2.000	0.9510	103.1	3.080	2.20	11/29/2023	

Batch R339841		SampType: MS		Units mg/L							
SampID: 23112078-005AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.31	2.000	0.2400	103.6	75	125	11/30/2023	

Batch R339841		SampType: MSD		Units mg/L							
SampID: 23112078-005AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Fluoride		0.10		2.38	2.000	0.2400	107.2	2.311	3.11	11/30/2023	

Batch R339841		SampType: MS		Units mg/L							
SampID: 23112078-013AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.50	2.000	0.3540	107.4	75	125	11/30/2023	



## Quality Control Results

<http://www.teklabinc.com/>

**Client:** Ramboll

**Work Order:** 23110440

**Client Project:** KIN-23Q4

**Report Date:** 13-Dec-23

### SW-846 9214 (TOTAL)

Batch R339841		SampType: MSD		Units mg/L				RPD Limit 15			Date Analyzed
SampID: 23112078-013AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Fluoride		0.10		2.41	2.000	0.3540	102.7	2.501	3.79	11/30/2023	

### SW-846 9251 (TOTAL)

Batch R340022		SampType: MBLK		Units mg/L				Low Limit		High Limit	Date Analyzed
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		< 4	0.5000	0	0	-100	100	12/01/2023	

### Batch R340022 SampType: LCS Units mg/L

SampID: ICV/LCS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		20	20.00	0	101.0	90	110	12/01/2023

### Batch R340022 SampType: MS Units mg/L

SampID: 23110440-001AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		33	20.00	14.00	92.6	85	115	12/01/2023

### Batch R340022 SampType: MSD Units mg/L

SampID: 23110440-001AMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		33	20.00	14.00	93.1	32.52	0.31	12/01/2023

### Batch R340022 SampType: MS Units mg/L

SampID: 23112078-001AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		30	20.00	11.15	93.3	85	115	12/01/2023

### Batch R340022 SampType: MSD Units mg/L

SampID: 23112078-001AMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		30	20.00	11.15	93.4	29.80	0.07	12/01/2023



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23110440

Client Project: KIN-23Q4

Report Date: 13-Dec-23

### SW-846 9251 (TOTAL)

Batch R340022		SampType: MS		Units mg/L							Date Analyzed
SampID: 23112078-010AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4		<b>30</b>	20.00	10.55	95.6	85	115	12/01/2023	

Batch R340022		SampType: MSD		Units mg/L							RPD Limit 15	Date Analyzed
SampID: 23112078-010AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Chloride		4		<b>30</b>	20.00	10.55	94.8	29.66	0.54	12/01/2023		

Batch R340139		SampType: MBLK		Units mg/L							Date Analyzed
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4		< 4	0.5000	0	0	-100	100	12/05/2023	

Batch R340139		SampType: LCS		Units mg/L							Date Analyzed
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4		<b>21</b>	20.00	0	102.9	90	110	12/05/2023	

Batch R340139		SampType: MS		Units mg/L							Date Analyzed
SampID: 23112008-002AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		80		<b>562</b>	400.0	201.7	90.2	85	115	12/05/2023	

Batch R340139		SampType: MSD		Units mg/L							RPD Limit 15	Date Analyzed
SampID: 23112008-002AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Chloride		80		<b>568</b>	400.0	201.7	91.6	562.3	1.05	12/05/2023		

Batch R340139		SampType: MS		Units mg/L							Date Analyzed
SampID: 23120036-001BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4		<b>19</b>	20.00	0	97.0	85	115	12/05/2023	

Batch R340139		SampType: MSD		Units mg/L							RPD Limit 15	Date Analyzed
SampID: 23120036-001BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Chloride		4		<b>19</b>	20.00	0	96.3	19.39	0.67	12/05/2023		



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23110440

Client Project: KIN-23Q4

Report Date: 13-Dec-23

### SW-846 9251 (TOTAL)

Batch R340139		SampType: MS		Units mg/L							Date Analyzed
SampID: 23120088-001BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4		27	20.00	7.150	97.0	85	115	12/05/2023	

Batch R340139		SampType: MSD		Units mg/L		RPD Limit 15					Date Analyzed
SampID: 23120088-001BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Chloride		4		26	20.00	7.150	94.0	26.54	2.25	12/05/2023	

Batch R340139		SampType: MS		Units mg/L							Date Analyzed
SampID: 23120190-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4		24	20.00	5.240	95.5	85	115	12/05/2023	

Batch R340139		SampType: MSD		Units mg/L		RPD Limit 15					Date Analyzed
SampID: 23120190-001AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Chloride		4		24	20.00	5.240	96.0	24.33	0.41	12/05/2023	

Batch R340188		SampType: MBLK		Units mg/L							Date Analyzed
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4		< 4	0.5000	0	0	-100	100	12/06/2023	

Batch R340188		SampType: LCS		Units mg/L							Date Analyzed
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4		21	20.00	0	103.8	90	110	12/06/2023	

Batch R340188		SampType: MS		Units mg/L							Date Analyzed
SampID: 23112017-007AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		8		80	40.00	45.89	85.4	85	115	12/06/2023	

Batch R340188		SampType: MSD		Units mg/L		RPD Limit 15					Date Analyzed
SampID: 23112017-007AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Chloride		8		81	40.00	45.89	88.8	80.03	1.73	12/06/2023	



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23110440

Client Project: KIN-23Q4

Report Date: 13-Dec-23

### SW-846 9251 (TOTAL)

Batch R340188		SampType: MS		Units mg/L							Date Analyzed
SampID: 23120202-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		200		<b>2440</b>	1000	1521	92.3	85	115	12/06/2023	

Batch R340188		SampType: MSD		Units mg/L							RPD Limit 15	Date Analyzed
SampID: 23120202-001AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Chloride		200		<b>2450</b>	1000	1521	93.3	2444	0.39	12/06/2023		

Batch R340188		SampType: MS		Units mg/L							Date Analyzed
SampID: 23120317-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		<b>30</b>	20.00	11.76	93.4	85	115	12/06/2023	

Batch R340188		SampType: MSD		Units mg/L							RPD Limit 15	Date Analyzed
SampID: 23120317-001AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Chloride		4		<b>30</b>	20.00	11.76	93.2	30.43	0.10	12/06/2023		

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

Batch 215255		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK-215255											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Calcium		0.100		<b>&lt; 0.100</b>	0.0350	0	0	-100	100	12/05/2023	
Magnesium		0.0500		<b>&lt; 0.0500</b>	0.0055	0	0	-100	100	12/05/2023	
Potassium		0.100		<b>&lt; 0.100</b>	0.0400	0	0	-100	100	12/05/2023	
Sodium		0.0500		<b>&lt; 0.0500</b>	0.0180	0	0	-100	100	12/05/2023	

Batch 215255		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS-215255											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Calcium		0.100		<b>2.64</b>	2.500	0	105.5	85	115	12/05/2023	
Magnesium		0.0500		<b>2.38</b>	2.500	0	95.3	85	115	12/05/2023	
Potassium		0.100		<b>2.65</b>	2.500	0	106.0	85	115	12/05/2023	
Sodium		0.0500		<b>2.59</b>	2.500	0	103.6	85	115	12/05/2023	





## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23110440

Client Project: KIN-23Q4

Report Date: 13-Dec-23

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

Batch 215255		SampType: MS		Units mg/L						
SampID: 23110440-001BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		<b>60.7</b>	2.500	58.24	98.8	75	125	12/05/2023
Magnesium		0.0500		<b>29.4</b>	2.500	26.96	98.6	75	125	12/05/2023
Potassium		0.100		<b>2.97</b>	2.500	0.2761	107.8	75	125	12/05/2023
Sodium		0.0500		<b>18.7</b>	2.500	16.57	86.4	75	125	12/05/2023

Batch 215255		SampType: MSD		Units mg/L							RPD Limit 20
SampID: 23110440-001BMDS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Calcium		0.100		<b>61.2</b>	2.500	58.24	117.6	60.71	0.77	12/05/2023	
Magnesium		0.0500		<b>29.5</b>	2.500	26.96	103.1	29.42	0.38	12/05/2023	
Potassium		0.100		<b>2.97</b>	2.500	0.2761	107.6	2.972	0.22	12/05/2023	
Sodium		0.0500		<b>18.8</b>	2.500	16.57	89.6	18.73	0.43	12/05/2023	

Batch 215256		SampType: MBLK		Units mg/L						
SampID: MBLK-215256										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		<b>&lt; 0.100</b>	0.0350	0	0	-100	100	12/01/2023
Magnesium		0.0500		<b>&lt; 0.0500</b>	0.0055	0	0	-100	100	12/01/2023
Potassium		0.100		<b>&lt; 0.100</b>	0.0400	0	0	-100	100	12/01/2023
Sodium		0.0500		<b>&lt; 0.0500</b>	0.0180	0	0	-100	100	12/01/2023

Batch 215256		SampType: LCS		Units mg/L						
SampID: LCS-215256										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		<b>2.48</b>	2.500	0	99.3	85	115	12/01/2023
Magnesium		0.0500		<b>2.36</b>	2.500	0	94.3	85	115	12/01/2023
Potassium		0.100		<b>2.47</b>	2.500	0	98.9	85	115	12/01/2023
Sodium		0.0500		<b>2.43</b>	2.500	0	97.3	85	115	12/01/2023

Batch 215256		SampType: MS		Units mg/L						
SampID: 23110440-006BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		<b>97.4</b>	2.500	95.00	94.0	75	125	12/01/2023
Magnesium		0.0500		<b>35.8</b>	2.500	33.70	83.9	75	125	12/01/2023
Potassium		0.100		<b>3.64</b>	2.500	1.340	92.1	75	125	12/01/2023
Sodium		0.0500	S	<b>24.6</b>	2.500	22.79	71.2	75	125	12/01/2023



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23110440

Client Project: KIN-23Q4

Report Date: 13-Dec-23

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

Batch 215256		SampType: MSD		Units mg/L				RPD Limit 20			
SampID: 23110440-006BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Calcium		0.100	S	<b>100</b>	2.500	95.00	210.4	97.35	2.95	12/01/2023	
Magnesium		0.0500	S	<b>37.1</b>	2.500	33.70	135.2	35.80	3.52	12/01/2023	
Potassium		0.100		<b>3.76</b>	2.500	1.340	96.9	3.642	3.24	12/01/2023	
Sodium		0.0500		<b>25.5</b>	2.500	22.79	108.0	24.57	3.68	12/01/2023	

Batch 215420		SampType: MBLK		Units mg/L							
SampID: MBLK-215420											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Calcium		0.100		< <b>0.100</b>	0.0350	0	0	-100	100	12/04/2023	
Magnesium		0.0500		< <b>0.0500</b>	0.0055	0	0	-100	100	12/04/2023	
Potassium		0.100		< <b>0.100</b>	0.0400	0	0	-100	100	12/04/2023	
Sodium		0.0500		< <b>0.0500</b>	0.0180	0	0	-100	100	12/04/2023	

Batch 215420		SampType: LCS		Units mg/L							
SampID: LCS-215420											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Calcium		0.100		<b>2.59</b>	2.500	0	103.6	85	115	12/04/2023	
Magnesium		0.0500		<b>2.55</b>	2.500	0	102.0	85	115	12/04/2023	
Potassium		0.100		<b>2.65</b>	2.500	0	105.9	85	115	12/04/2023	
Sodium		0.0500		<b>2.68</b>	2.500	0	107.2	85	115	12/04/2023	

Batch 215420		SampType: MS		Units mg/L							
SampID: 23110440-021BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Calcium		0.100	S	<b>147</b>	2.500	146.8	29.2	75	125	12/05/2023	
Magnesium		0.0500	S	<b>73.6</b>	2.500	72.24	56.4	75	125	12/05/2023	
Potassium		0.100		<b>3.40</b>	2.500	0.5819	112.6	75	125	12/05/2023	
Sodium		0.0500		<b>32.7</b>	2.500	30.24	96.8	75	125	12/05/2023	

Batch 215420		SampType: MSD		Units mg/L				RPD Limit 20			
SampID: 23110440-021BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Calcium		0.100	S	<b>148</b>	2.500	146.8	35.2	147.5	0.10	12/05/2023	
Magnesium		0.0500		<b>74.3</b>	2.500	72.24	83.7	73.65	0.92	12/05/2023	
Potassium		0.100		<b>3.40</b>	2.500	0.5819	112.9	3.398	0.20	12/05/2023	
Sodium		0.0500		<b>32.7</b>	2.500	30.24	99.2	32.66	0.18	12/05/2023	



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23110440

Client Project: KIN-23Q4

Report Date: 13-Dec-23

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

Batch 215255    SampType: MBLK    Units mg/L  
 SampID: MBLK-215255

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	12/07/2023
Arsenic		0.0010		< 0.0010	0.0004	0	0	-100	100	12/01/2023
Barium		0.0010		< 0.0010	0.0007	0	0	-100	100	12/01/2023
Beryllium		0.0010		< 0.0010	0.0002	0	0	-100	100	12/01/2023
Boron		0.0250		< 0.0250	0.0093	0	0	-100	100	12/01/2023
Cadmium		0.0010		< 0.0010	0.0001	0	0	-100	100	12/01/2023
Chromium		0.0015		< 0.0015	0.0007	0	0	-100	100	12/01/2023
Cobalt		0.0010		< 0.0010	0.0001	0	0	-100	100	12/01/2023
Lead		0.0010		< 0.0010	0.0006	0	0	-100	100	12/01/2023
Lithium	*	0.0030		< 0.0030	0.0015	0	0	-100	100	12/01/2023
Molybdenum		0.0015		< 0.0015	0.0006	0	0	-100	100	12/01/2023
Selenium		0.0010		< 0.0010	0.0006	0	0	-100	100	12/01/2023
Thallium		0.0020		< 0.0020	0.0010	0	0	-100	100	12/01/2023

Batch 215255    SampType: LCS    Units mg/L  
 SampID: LCS-215255

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		0.594	0.5000	0	118.9	80	120	12/06/2023
Arsenic		0.0010		0.591	0.5000	0	118.2	80	120	12/01/2023
Barium		0.0010		2.13	2.000	0	106.3	80	120	12/01/2023
Beryllium		0.0010		0.0560	0.0500	0	112.0	80	120	12/04/2023
Boron		0.0250		0.546	0.5000	0	109.3	80	120	12/04/2023
Cadmium		0.0010		0.0548	0.0500	0	109.6	80	120	12/01/2023
Chromium		0.0015		0.229	0.2000	0	114.4	80	120	12/04/2023
Cobalt		0.0010		0.576	0.5000	0	115.3	80	120	12/04/2023
Lead		0.0010		0.570	0.5000	0	114.1	80	120	12/04/2023
Lithium	*	0.0030		0.560	0.5000	0	112.0	80	120	12/04/2023
Molybdenum		0.0015		0.503	0.5000	0	100.6	80	120	12/01/2023
Selenium		0.0010		0.584	0.5000	0	116.8	80	120	12/04/2023
Thallium		0.0020		0.285	0.2500	0	113.8	80	120	12/04/2023



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23110440

Client Project: KIN-23Q4

Report Date: 13-Dec-23

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

**Batch 215255**    **SampType: MS**    Units mg/L

SampID: 23110440-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0010		<b>0.550</b>	0.5000	0	110.0	75	125	12/04/2023
Barium		0.0010		<b>2.20</b>	2.000	0.04534	107.9	75	125	12/04/2023
Beryllium		0.0010		<b>0.0549</b>	0.0500	0	109.7	75	125	12/04/2023
Boron		0.0250		<b>0.825</b>	0.5000	0.2928	106.4	75	125	12/04/2023
Cadmium		0.0010		<b>0.0540</b>	0.0500	0	108.0	75	125	12/04/2023
Chromium		0.0015		<b>0.212</b>	0.2000	0	106.0	75	125	12/04/2023
Cobalt		0.0010		<b>0.531</b>	0.5000	0	106.2	75	125	12/04/2023
Lead		0.0010		<b>0.541</b>	0.5000	0	108.2	75	125	12/04/2023
Lithium	*	0.0030		<b>0.544</b>	0.5000	0.001563	108.6	75	125	12/04/2023
Molybdenum		0.0015		<b>0.528</b>	0.5000	0	105.6	75	125	12/04/2023
Selenium		0.0010		<b>0.533</b>	0.5000	0	106.7	75	125	12/04/2023
Thallium		0.0020		<b>0.263</b>	0.2500	0	105.1	75	125	12/04/2023

**Batch 215255**    **SampType: MSD**    Units mg/L

RPD Limit **20**

SampID: 23110440-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		0.0010		<b>0.568</b>	0.5000	0	113.5	0.5499	3.19	12/04/2023
Barium		0.0010		<b>2.30</b>	2.000	0.04534	112.5	2.204	4.08	12/04/2023
Beryllium		0.0010		<b>0.0550</b>	0.0500	0	110.0	0.05485	0.24	12/04/2023
Boron		0.0250		<b>0.822</b>	0.5000	0.2928	105.9	0.8250	0.35	12/04/2023
Cadmium		0.0010		<b>0.0553</b>	0.0500	0	110.6	0.05398	2.39	12/04/2023
Chromium		0.0015		<b>0.219</b>	0.2000	0	109.5	0.2119	3.29	12/04/2023
Cobalt		0.0010		<b>0.534</b>	0.5000	0	106.9	0.5309	0.65	12/04/2023
Lead		0.0010		<b>0.547</b>	0.5000	0	109.4	0.5408	1.10	12/04/2023
Lithium	*	0.0030		<b>0.550</b>	0.5000	0.001563	109.6	0.5444	0.98	12/04/2023
Molybdenum		0.0015		<b>0.543</b>	0.5000	0	108.5	0.5279	2.74	12/04/2023
Selenium		0.0010		<b>0.547</b>	0.5000	0	109.3	0.5335	2.44	12/04/2023
Thallium		0.0020		<b>0.286</b>	0.2500	0	114.5	0.2627	8.58	12/04/2023



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23110440

Client Project: KIN-23Q4

Report Date: 13-Dec-23

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

Batch 215256    SampType: MBLK    Units mg/L

SampID: MBLK-215256

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	12/06/2023
Arsenic		0.0010		< 0.0010	0.0004	0	0	-100	100	12/05/2023
Barium		0.0010		< 0.0010	0.0007	0	0	-100	100	12/05/2023
Beryllium		0.0010		< 0.0010	0.0002	0	0	-100	100	12/04/2023
Boron		0.0250		< 0.0250	0.0093	0	0	-100	100	12/04/2023
Cadmium		0.0010		< 0.0010	0.0001	0	0	-100	100	12/04/2023
Chromium		0.0015		< 0.0015	0.0007	0	0	-100	100	12/05/2023
Cobalt		0.0010		< 0.0010	0.0001	0	0	-100	100	12/05/2023
Lead		0.0010		< 0.0010	0.0006	0	0	-100	100	12/05/2023
Lithium	*	0.0030		< 0.0030	0.0015	0	0	-100	100	12/04/2023
Molybdenum		0.0015		< 0.0015	0.0006	0	0	-100	100	12/04/2023
Selenium		0.0010		< 0.0010	0.0006	0	0	-100	100	12/05/2023
Thallium		0.0020		< 0.0020	0.0010	0	0	-100	100	12/04/2023

Batch 215256    SampType: LCS    Units mg/L

SampID: LCS-215256

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		0.572	0.5000	0	114.3	80	120	12/06/2023
Arsenic		0.0010		0.536	0.5000	0	107.2	80	120	12/05/2023
Barium		0.0010		2.14	2.000	0	106.8	80	120	12/05/2023
Beryllium		0.0010		0.0497	0.0500	0	99.5	80	120	12/04/2023
Boron		0.0250		0.486	0.5000	0	97.2	80	120	12/04/2023
Cadmium		0.0010		0.0508	0.0500	0	101.6	80	120	12/04/2023
Chromium		0.0015		0.185	0.2000	0	92.6	80	120	12/05/2023
Cobalt		0.0010		0.492	0.5000	0	98.4	80	120	12/05/2023
Lead		0.0010		0.517	0.5000	0	103.5	80	120	12/05/2023
Lithium	*	0.0030		0.496	0.5000	0	99.2	80	120	12/04/2023
Molybdenum		0.0015		0.486	0.5000	0	97.1	80	120	12/04/2023
Selenium		0.0010		0.505	0.5000	0	101.0	80	120	12/05/2023
Thallium		0.0020		0.245	0.2500	0	98.0	80	120	12/04/2023



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23110440

Client Project: KIN-23Q4

Report Date: 13-Dec-23

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

Batch 215256		SampType: MS		Units mg/L							Date Analyzed
SampID: 23110440-006BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Antimony		0.0010		<b>0.542</b>	0.5000	0	108.5	75	125	12/06/2023	
Arsenic		0.0010		<b>0.566</b>	0.5000	0.002346	112.8	75	125	12/05/2023	
Barium		0.0010		<b>2.23</b>	2.000	0.1232	105.4	75	125	12/05/2023	
Beryllium		0.0010		<b>0.0544</b>	0.0500	0	108.7	75	125	12/04/2023	
Boron		0.0250		<b>0.577</b>	0.5000	0.07452	100.5	75	125	12/04/2023	
Cadmium		0.0010		<b>0.0522</b>	0.0500	0	104.4	75	125	12/04/2023	
Chromium		0.0015		<b>0.191</b>	0.2000	0.002024	94.5	75	125	12/05/2023	
Cobalt		0.0010		<b>0.504</b>	0.5000	0.0006138	100.7	75	125	12/04/2023	
Lead		0.0010		<b>0.527</b>	0.5000	0.0006831	105.3	75	125	12/05/2023	
Lithium	*	0.0030		<b>0.531</b>	0.5000	0.005587	105.1	75	125	12/04/2023	
Molybdenum		0.0015		<b>0.513</b>	0.5000	0.007534	101.2	75	125	12/04/2023	
Selenium		0.0010		<b>0.518</b>	0.5000	0	103.5	75	125	12/06/2023	
Thallium		0.0020		<b>0.258</b>	0.2500	0	103.2	75	125	12/04/2023	

Batch 215256		SampType: MSD		Units mg/L							RPD Limit 20	Date Analyzed
SampID: 23110440-006BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Antimony		0.0010		<b>0.536</b>	0.5000	0	107.2	0.5424	1.22	12/06/2023		
Arsenic		0.0010		<b>0.564</b>	0.5000	0.002346	112.3	0.5664	0.43	12/05/2023		
Barium		0.0010		<b>2.23</b>	2.000	0.1232	105.3	2.230	0.04	12/05/2023		
Beryllium		0.0010		<b>0.0527</b>	0.0500	0	105.4	0.05436	3.14	12/04/2023		
Boron		0.0250		<b>0.573</b>	0.5000	0.07452	99.6	0.5771	0.78	12/04/2023		
Cadmium		0.0010		<b>0.0533</b>	0.0500	0	106.5	0.05220	2.00	12/04/2023		
Chromium		0.0015		<b>0.190</b>	0.2000	0.002024	93.8	0.1910	0.74	12/05/2023		
Cobalt		0.0010		<b>0.514</b>	0.5000	0.0006138	102.7	0.5039	2.06	12/04/2023		
Lead		0.0010		<b>0.531</b>	0.5000	0.0006831	106.1	0.5272	0.74	12/05/2023		
Lithium	*	0.0030		<b>0.530</b>	0.5000	0.005587	104.9	0.5311	0.18	12/04/2023		
Molybdenum		0.0015		<b>0.524</b>	0.5000	0.007534	103.3	0.5135	2.07	12/04/2023		
Selenium		0.0010		<b>0.523</b>	0.5000	0	104.6	0.5175	1.08	12/06/2023		
Thallium		0.0020		<b>0.270</b>	0.2500	0	108.0	0.2580	4.51	12/04/2023		



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23110440

Client Project: KIN-23Q4

Report Date: 13-Dec-23

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

Batch 215420    SampType: MBLK    Units mg/L

SampID: MBLK-215420

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	12/07/2023
Arsenic		0.0010		< 0.0010	0.0004	0	0	-100	100	12/04/2023
Arsenic		0.0010		< 0.0010	0.0004	0	0	-100	100	12/05/2023
Barium		0.0010		< 0.0010	0.0007	0	0	-100	100	12/05/2023
Barium		0.0010		< 0.0010	0.0007	0	0	-100	100	12/04/2023
Beryllium		0.0010		< 0.0010	0.0002	0	0	-100	100	12/04/2023
Beryllium		0.0010		< 0.0010	0.0002	0	0	-100	100	12/05/2023
Boron		0.0250		< 0.0250	0.0093	0	0	-100	100	12/05/2023
Boron		0.0250		< 0.0250	0.0093	0	0	-100	100	12/04/2023
Cadmium		0.0010		< 0.0010	0.0001	0	0	-100	100	12/05/2023
Cadmium		0.0010		< 0.0010	0.0001	0	0	-100	100	12/04/2023
Chromium		0.0015		< 0.0015	0.0007	0	0	-100	100	12/05/2023
Chromium		0.0015		< 0.0015	0.0007	0	0	-100	100	12/04/2023
Cobalt		0.0010		< 0.0010	0.0001	0	0	-100	100	12/04/2023
Cobalt		0.0010		< 0.0010	0.0001	0	0	-100	100	12/05/2023
Lead		0.0010		< 0.0010	0.0006	0	0	-100	100	12/04/2023
Lead		0.0010		< 0.0010	0.0006	0	0	-100	100	12/05/2023
Lithium	*	0.0030		< 0.0030	0.0015	0	0	-100	100	12/04/2023
Lithium	*	0.0030		< 0.0030	0.0015	0	0	-100	100	12/05/2023
Molybdenum		0.0015		< 0.0015	0.0006	0	0	-100	100	12/07/2023
Selenium		0.0010		< 0.0010	0.0006	0	0	-100	100	12/04/2023
Selenium		0.0010		< 0.0010	0.0006	0	0	-100	100	12/05/2023
Thallium		0.0020		< 0.0020	0.0010	0	0	-100	100	12/05/2023



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23110440

Client Project: KIN-23Q4

Report Date: 13-Dec-23

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

**Batch 215420**    **SampType: LCS**    Units mg/L

SampID: LCS-215420

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		<b>0.463</b>	0.5000	0	92.6	80	120	12/07/2023
Arsenic		0.0010		<b>0.550</b>	0.5000	0	110.1	80	120	12/05/2023
Barium		0.0010		<b>2.06</b>	2.000	0	103.2	80	120	12/05/2023
Beryllium		0.0010		<b>0.0521</b>	0.0500	0	104.3	80	120	12/05/2023
Boron		0.0250		<b>0.501</b>	0.5000	0	100.1	80	120	12/05/2023
Cadmium		0.0010		<b>0.0501</b>	0.0500	0	100.3	80	120	12/05/2023
Chromium		0.0015		<b>0.188</b>	0.2000	0	93.8	80	120	12/05/2023
Cobalt		0.0010		<b>0.498</b>	0.5000	0	99.7	80	120	12/05/2023
Lead		0.0010		<b>0.528</b>	0.5000	0	105.5	80	120	12/05/2023
Lithium	*	0.0030		<b>0.524</b>	0.5000	0	104.8	80	120	12/05/2023
Molybdenum		0.0015		<b>0.408</b>	0.5000	0	81.6	80	120	12/07/2023
Selenium		0.0010		<b>0.498</b>	0.5000	0	99.7	80	120	12/05/2023
Thallium		0.0020		<b>0.249</b>	0.2500	0	99.4	80	120	12/05/2023

**Batch 215420**    **SampType: MS**    Units mg/L

SampID: 23110440-021BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		<b>0.577</b>	0.5000	0	115.3	75	125	12/06/2023
Arsenic		0.0010		<b>0.540</b>	0.5000	0	108.0	75	125	12/05/2023
Barium		0.0010		<b>2.06</b>	2.000	0.03106	101.3	75	125	12/05/2023
Beryllium		0.0010		<b>0.0507</b>	0.0500	0	101.4	75	125	12/05/2023
Boron		0.0250		<b>1.48</b>	0.5000	1.026	90.4	75	125	12/05/2023
Cadmium		0.0010		<b>0.0497</b>	0.0500	0	99.4	75	125	12/05/2023
Chromium		0.0015		<b>0.196</b>	0.2000	0	98.2	75	125	12/05/2023
Cobalt		0.0010		<b>0.477</b>	0.5000	0.001272	95.1	75	125	12/05/2023
Lead		0.0010		<b>0.508</b>	0.5000	0	101.7	75	125	12/05/2023
Lithium	*	0.0030		<b>0.505</b>	0.5000	0.001933	100.6	75	125	12/05/2023
Molybdenum		0.0015		<b>0.513</b>	0.5000	0	102.5	75	125	12/06/2023
Selenium		0.0010		<b>0.513</b>	0.5000	0	102.6	75	125	12/05/2023
Thallium		0.0020		<b>0.248</b>	0.2500	0	99.1	75	125	12/05/2023





## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23110440

Client Project: KIN-23Q4

Report Date: 13-Dec-23

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

Batch 215420		SampType: MSD		Units mg/L				RPD Limit 20			Date Analyzed
SampID: 23110440-021BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Antimony		0.0010		<b>0.543</b>	0.5000	0	108.6	0.5766	5.99	12/06/2023	
Arsenic		0.0010		<b>0.562</b>	0.5000	0	112.3	0.5398	3.98	12/05/2023	
Barium		0.0010		<b>2.16</b>	2.000	0.03106	106.4	2.056	4.90	12/05/2023	
Beryllium		0.0010		<b>0.0532</b>	0.0500	0	106.4	0.05072	4.82	12/05/2023	
Boron		0.0250		<b>1.55</b>	0.5000	1.026	103.8	1.478	4.46	12/05/2023	
Cadmium		0.0010		<b>0.0524</b>	0.0500	0	104.9	0.04970	5.37	12/05/2023	
Chromium		0.0015		<b>0.205</b>	0.2000	0	102.4	0.1964	4.20	12/05/2023	
Cobalt		0.0010		<b>0.506</b>	0.5000	0.001272	101.0	0.4767	6.03	12/05/2023	
Lead		0.0010		<b>0.508</b>	0.5000	0	101.7	0.5084	0.03	12/05/2023	
Lithium	*	0.0030		<b>0.530</b>	0.5000	0.001933	105.6	0.5047	4.83	12/05/2023	
Molybdenum		0.0015		<b>0.489</b>	0.5000	0	97.7	0.5127	4.82	12/06/2023	
Selenium		0.0010		<b>0.537</b>	0.5000	0	107.5	0.5132	4.59	12/05/2023	
Thallium		0.0020		<b>0.266</b>	0.2500	0	106.2	0.2477	6.96	12/05/2023	

### SW-846 7470A (TOTAL)

Batch 215455		SampType: MBLK		Units mg/L				RPD Limit 20			Date Analyzed
SampID: MBLK-215455											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.00020		<b>&lt; 0.00020</b>	0.0001	0	0	-100	100	12/05/2023	

Batch 215455		SampType: LCS		Units mg/L				RPD Limit 20			Date Analyzed
SampID: LCS-215455											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.00020		<b>0.00475</b>	0.0050	0	95.0	85	115	12/05/2023	

Batch 215455		SampType: MS		Units mg/L				RPD Limit 20			Date Analyzed
SampID: 23110440-014BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.00020	S	<b>0.00267</b>	0.0050	0	53.4	75	125	12/05/2023	

Batch 215455		SampType: MSD		Units mg/L				RPD Limit 15			Date Analyzed
SampID: 23110440-014BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Mercury		0.00020	S	<b>0.00263</b>	0.0050	0	52.6	0.002672	1.53	12/05/2023	



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23110440

Client Project: KIN-23Q4

Report Date: 13-Dec-23

### SW-846 7470A (TOTAL)

Batch 215455		SampType: MS		Units mg/L							Date Analyzed
SampID: 23111803-004CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.00020		<b>0.00943</b>	0.0100	0.0001007	93.3	75	125	12/05/2023	

Batch 215455		SampType: MSD		Units mg/L							RPD Limit 15	Date Analyzed
SampID: 23111803-004CMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Mercury		0.00020		<b>0.00891</b>	0.0100	0.0001007	88.1	0.009431	5.69	12/05/2023		

Batch 215461		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK-215461											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.00020		< <b>0.00020</b>	0.0001	0	0	-100	100	12/05/2023	

Batch 215461		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS-215461											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.00020		<b>0.00436</b>	0.0050	0	87.2	85	115	12/05/2023	

Batch 215461		SampType: MS		Units mg/L							Date Analyzed
SampID: 23112036-004BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.00020		<b>0.00473</b>	0.0050	0	94.5	75	125	12/05/2023	

Batch 215461		SampType: MSD		Units mg/L							RPD Limit 15	Date Analyzed
SampID: 23112036-004BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Mercury		0.00020		<b>0.00474</b>	0.0050	0	94.8	0.004726	0.29	12/05/2023		

Batch 215461		SampType: MS		Units mg/L							Date Analyzed
SampID: 23112144-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.00020		<b>0.00451</b>	0.0050	0	90.2	75	125	12/06/2023	

Batch 215461		SampType: MSD		Units mg/L							RPD Limit 15	Date Analyzed
SampID: 23112144-001AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Mercury		0.00020		<b>0.00455</b>	0.0050	0	91.0	0.004512	0.89	12/06/2023		



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23110440

Client Project: KIN-23Q4

Report Date: 13-Dec-23

### SW-846 7470A (TOTAL)

Batch 215503		SampType: MBLK		Units mg/L							
SampID: MBLK-215503											
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	12/06/2023	

Batch 215503		SampType: LCS		Units mg/L							
SampID: LCS-215503											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.00020		0.00489	0.0050	0	97.7	85	115	12/07/2023	

Batch 215503		SampType: MS		Units mg/L							
SampID: 23110440-003BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.00020		0.00448	0.0050	0	89.6	75	125	12/06/2023	

Batch 215503		SampType: MSD		Units mg/L							
SampID: 23110440-003BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Mercury		0.00020		0.00445	0.0050	0	89.1	0.004479	0.56	12/06/2023	

Batch 215503		SampType: MS		Units mg/L							
SampID: 23112078-007CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.00020		0.00485	0.0050	0	97.0	75	125	12/06/2023	

Batch 215503		SampType: MSD		Units mg/L							
SampID: 23112078-007CMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Mercury		0.00020		0.00476	0.0050	0	95.2	0.004851	1.90	12/06/2023	

Batch 215504		SampType: MBLK		Units mg/L							
SampID: MBLK-215504											
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	12/06/2023	

Batch 215504		SampType: LCS		Units mg/L							
SampID: LCS-215504											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.00020		0.00456	0.0050	0	91.2	85	115	12/06/2023	



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23110440

Client Project: KIN-23Q4

Report Date: 13-Dec-23

### SW-846 7470A (TOTAL)

Batch 215504		SampType: MS		Units mg/L							Date Analyzed
SampID: 23110440-021BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.00020		<b>0.00438</b>	0.0050	0	87.5	75	125	12/06/2023	

Batch 215504		SampType: MSD		Units mg/L							RPD Limit 15	Date Analyzed
SampID: 23110440-021BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Mercury		0.00020		<b>0.00441</b>	0.0050	0	88.2	0.004377	0.73	12/06/2023		

Batch 215504		SampType: MS		Units mg/L							Date Analyzed
SampID: 23120012-002AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.00020		<b>0.00452</b>	0.0050	0	90.4	75	125	12/07/2023	

Batch 215504		SampType: MSD		Units mg/L							RPD Limit 15	Date Analyzed
SampID: 23120012-002AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Mercury		0.00020		<b>0.00448</b>	0.0050	0	89.7	0.004522	0.85	12/07/2023		



# Receiving Check List

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23110440

Client Project: KIN-23Q4

Report Date: 13-Dec-23

Carrier: Justin Colp

Received By: AMD

Completed by:

*Amber Dilallo*

Reviewed by:

*Ellie Hopkins*

On:

27-Nov-23

Amber Dilallo

On:

29-Nov-23

Ellie Hopkins

Pages to follow: Chain of custody

Extra pages included

- |   |   |   |                                      |                                  |
|---|---|---|--------------------------------------|----------------------------------|
| Shipping container/cooler in good condition?            | Yes <input checked="" type="checkbox"/>   | No <input type="checkbox"/>             | Not Present <input type="checkbox"/> | Temp °C <b>9.0</b>               |
| Type of thermal preservation?                           | None <input type="checkbox"/>             | Ice <input checked="" type="checkbox"/> | Blue Ice <input type="checkbox"/>    | Dry Ice <input type="checkbox"/> |
| Chain of custody present?                               | Yes <input checked="" type="checkbox"/>   | No <input type="checkbox"/>             |                                      |                                  |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/>   | No <input type="checkbox"/>             |                                      |                                  |
| Chain of custody agrees with sample labels?             | Yes <input checked="" type="checkbox"/>   | No <input type="checkbox"/>             |                                      |                                  |
| Samples in proper container/bottle?                     | Yes <input checked="" type="checkbox"/>   | No <input type="checkbox"/>             |                                      |                                  |
| Sample containers intact?                               | Yes <input checked="" type="checkbox"/>   | No <input type="checkbox"/>             |                                      |                                  |
| Sufficient sample volume for indicated test?            | Yes <input checked="" type="checkbox"/>   | No <input type="checkbox"/>             |                                      |                                  |
| All samples received within holding time?               | Yes <input checked="" type="checkbox"/>   | No <input type="checkbox"/>             |                                      |                                  |
| Reported field parameters measured:                     | Field <input checked="" type="checkbox"/> | Lab <input type="checkbox"/>            | NA <input type="checkbox"/>          |                                  |
| Container/Temp Blank temperature in compliance?         | Yes <input checked="" type="checkbox"/>   | No <input type="checkbox"/>             |                                      |                                  |

*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 <input type="checkbox"/> | No <input type="checkbox"/>            | No VOA vials <input checked="" type="checkbox"/>      |
| Water - TOX containers have zero headspace?               | Yes <input type="checkbox"/> | No <input type="checkbox"/>            | No TOX containers <input checked="" type="checkbox"/> |
| Water - pH acceptable upon receipt?                       | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | NA <input type="checkbox"/>                           |
| NPDES/CWA TCN interferences checked/treated in the field? | Yes <input type="checkbox"/> | No <input type="checkbox"/>            | NA <input checked="" type="checkbox"/>                |

**Any No responses must be detailed below or on the COC.**

pH strip #90719. - amberdilallo - 11/27/2023 4:41:52 PM

Additional Nitric Acid (93773) was needed upon arrival at the laboratory for MW-5 and MW-31S. - amberdilallo - 11/27/2023 4:41:53 PM

Samples collected on 11/28/23 were delivered to the laboratory on 11/28/23 at 1600 (on ice - 5.4C - LTG5). pH strip #90719. Additional nitric (93773) was needed in MW20 - HW/MEK/ERH 11/29/23

Samples collected on 11/29/23 were delivered to the laboratory on 11/29/23 at 1221 (on ice - 6.8C - LTG1). pH strip #90719. AMD 11/29/23



**CHAIN-OF-CUSTODY / Analytical Request Document**

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

<b>Section A</b> Required Client Information:		<b>Section B</b> Required Project Information:		<b>Section C</b> Invoice Information:		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th colspan="3">REGULATORY AGENCY</th> </tr> <tr> <td>NPDES</td> <td>GROUND WATER</td> <td>DRINKING WATER</td> </tr> <tr> <td>UST</td> <td>RCRA</td> <td>OTHER</td> </tr> <tr> <td colspan="2">Site Location</td> <td>IL</td> </tr> <tr> <td colspan="2">Requested Due Date/TAT:</td> <td>10 day</td> </tr> </table>			REGULATORY AGENCY			NPDES	GROUND WATER	DRINKING WATER	UST	RCRA	OTHER	Site Location		IL	Requested Due Date/TAT:		10 day
REGULATORY AGENCY																							
NPDES	GROUND WATER	DRINKING WATER																					
UST	RCRA	OTHER																					
Site Location		IL																					
Requested Due Date/TAT:		10 day																					
Company: <b>Vistra Corp-Kincaid</b>		Report To: <b>Brian Voelker, Sam Davies</b>		Attention: <b>Brian Voelker, Tim Arnold</b>																			
Address: <b>199 IL 104</b>		Copy To: <b>Tim Arnold</b>		Company Name: <b>Vistra Corp</b>																			
<b>Kincaid, IL 62540</b>				Address: <b>see Section A</b>																			
Email To: <b>Brian.Voelker@VistraCorp.com</b> <b>Tim.Arnold@vistracorp.com</b>		Purchase Order No.:		Quote Reference:																			
Phone: <b>(217) 753-8911</b>		Project Name:		Project Manager: <b>Liz Hurley</b>		Site Location																	
Requested Due Date/TAT: <b>10 day</b>		Project Number:		Profile #:		STATE: <b>IL</b>																	

ITEM #	Section D Required Client Information	Matrix Codes	MATRIX	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Project No./ Lab I.D.	
						DATE	TIME			Unpreserved	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	NaOH	Na <sub>2</sub> O <sub>3</sub>	Methanol					Other
1	MW-5	WT	G	11-27-23	1231	2	1	1							X	X		23110440-017			
2	MW-6	WT	G			2	1	1							X	X		23110440-018			
3	MW-7	WT	G	11/21/23	1335	2	1	1							X	X		23110440-019			
4	MW-7S	WT	G	11/27/23	1254	2	1	1							X	X		23110440-020			
5	MW-8	WT	G			2	1	1							X	X		23110440-021			
6	MW-8S	WT	G			2	1	1							X	X		23110440-022			
7	PZ-4A	WT	G			2	1	1								X		23110440-023			
8	PZ-4C	WT	G			2	1	1							X	X		23110440-024			
9	SG-02	WT	G			0									X	X		23110440-025			
10	XSG-01	WT	G			0									X	X		23110440-026			
11	Field Blank	WT	G			2	1	1							X	X	X	23110440-027			
12	MW-8 Duplicate	WT	G			2	1	1							X	X		23110440-028			
13																					
14																					
15																					
16																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	
<b>KIN-23Q4 Rev 2</b>	J. Colp	11-27	1615	Justin Colp	11/27/23	1615	Y	Z

<b>SAMPLER NAME AND SIGNATURE</b>		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: <b>Justin Colp</b>	SIGNATURE of SAMPLER: <i>[Signature]</i>				
DATE Signed (MM/DD/YY): <b>11-27-23</b>					





**CHAIN-OF-CUSTODY / Analytical Request Document**

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

<b>Section A</b> Required Client Information:		<b>Section B</b> Required Project Information:		<b>Section C</b> Invoice Information:		<b>REGULATORY AGENCY</b>		
Company: <b>Vistra Corp-Kincaid</b>		Report To: <b>Brian Voelker, Sam Davies</b>		Attention: <b>Brian Voelker, Tim Arnold</b>		Company Name: <b>Vistra Corp</b>		
Address: <b>199 IL 104</b>		Copy To: <b>Tim Arnold</b>		Address: <b>see Section A</b>		NPDES    GROUND WATER    DRINKING WATER		
Kincaid, IL 62540		Purchase Order No.:		Quote Reference:		UST    RCRA    OTHER		
Email To: <b>Brian.Voelker@VistraCorp.com</b> <b>Tim.Arnold@vistracorp.com</b>		Project Name:		Project Manager: <b>Liz Hurley</b>		Site Location		IL
Phone: <b>(217) 753-8911</b> Fax:		Project Number:		Profile #:		STATE:		
Requested Due Date/TAT: <b>10 day</b>								

ITEM #	Section D Required Client Information	MATRIX	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Project No./ Lab I.D.			
					DATE	TIME			Unpreserved	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	Methanol	Other					KIN-257-141	KIN-845-141	KIN-SUP-000
1	MW-5	WT	G				2	1	1										23110440-017				
2	MW-6	WT	G		11-28-23	1336	2	1	1										23110440-018				
3	MW-7	WT	G				2	1	1										23110440-019				
4	MW-7S	WT	G				2	1	1										23110440-020				
5	MW-8	WT	G		11-28-23	1035	2	1	1										23110440-021				
6	MW-8S	WT	G		11-28-23	DRY	2	1	1										23110440-022				
7	PZ-4A	WT	G				2	1	1							X			23110440-023				
8	PZ-4C	WT	G		11-28-23	1401	2	1	1										23110440-024				
9	SG-02	WT	G				0												23110440-025				
10	XSG-01	WT	G				0												23110440-026				
11	Field Blank	WT	G				2	1	1							X			23110440-027				
12	MW-8 Duplicate	WT	G		11-28-23	1035	2	1	1										23110440-028				
13																							
14																							
15																							
16																							

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
<b>KIN-23Q4 Rev 2</b>	<i>J. Gelp</i>	11-28	1600	<i>Justin Gelp</i>	11/28	1600	>    Z

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	<i>Justin Gelp</i>				
SIGNATURE of SAMPLER:	<i>Justin Gelp</i>	DATE Signed (MM/DD/YY):	11-28-23		

PHV 90719. HW 11/29.  
Added HNO<sub>3</sub> (93773) to MW80.

**CHAIN-OF-CUSTODY / Analytical Request Document**

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

<b>Section A</b> Required Client Information:		<b>Section B</b> Required Project Information:		<b>Section C</b> Invoice Information:		<b>REGULATORY AGENCY</b>		
Company: <b>Vistra Corp-Kincaid</b>		Report To: <b>Brian Voelker, Sam Davies</b>		Attention: <b>Brian Voelker, Tim Arnold</b>		Company Name: <b>Vistra Corp</b>		
Address: <b>199 IL 104</b>		Copy To: <b>Tim Arnold</b>		Address: <b>see Section A</b>		NPDES    GROUND WATER    DRINKING WATER		
Kincaid, IL 62540		Purchase Order No.:		Quote Reference:		UST    RCRA    OTHER		
Email To: <b>Brian.Voelker@VistraCorp.com</b> <b>Tim.Arnold@vistracorp.com</b>		Project Name:		Project Manager: <b>Liz Hurley</b>		Site Location		IL
Phone: <b>(217) 753-8911</b> Fax:		Project Number:		Profile #:		STATE:		
Requested Due Date/TAT: <b>10 day</b>								

ITEM #	Section D Required Client Information  <b>SAMPLE ID</b>  (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	Matrix Codes		MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Project No. / Lab I.D.								
		DRINKING WATER	WATER			WASTE WATER	PRODUCT SOLID			Oil	WIPE	AIR	OTHER	Unpreserved	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl					NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	Methanol	Other				
		DW	WT			WW	P			SL	CL	WP	AR	GT	TS														
1	MW-5	WT	G						2	1	1							X	X									23110440-017	
2	MW-6	WT	G						2	1	1							X	X									23110440-018	
3	MW-7	WT	G						2	1	1							X	X									23110440-019	
4	MW-7S	WT	G						2	1	1							X	X									23110440-020	
5	MW-8	WT	G						2	1	1							X	X									23110440-021	
6	MW-8S	WT	G						2	1	1							X	X									23110440-022	
7	PZ-4A	WT	G			11-29-23	1030		2	1	1									X								23110440-023	
8	PZ-4C	WT	G						2	1	1							X	X									23110440-024	
9	SG-02	WT	G						0									X	X									23110440-025	
10	XSG-01	WT	G						0									X	X									23110440-026	
11	Field Blank	WT	G			11-29-23	1035		2	1	1							X	X	X								23110440-027	
12	MW-8 Duplicate	WT	G						2	1	1							X	X									23110440-028	
13																													
14																													
15																													
16																													

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
<b>KIN-23Q4 Rev 2</b>	<i>J. Cole</i>	<b>11-29</b>	<b>1221</b>	<i>Amor. Dulala</i>	<b>11/29/23</b>	<b>1221</b>	<b>6.8</b>	<b>Y</b>	<b>N</b>	<b>Y</b>
							<b>LTC1</b>			

*PHV 90719 own  
11/29/23*

<b>SAMPLER NAME AND SIGNATURE</b>		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	<i>Justin Cole</i>				
SIGNATURE of SAMPLER:	<i>Justin Cole</i>				
DATE Signed (MM/DD/YY): <b>11-29-23</b>					

January 03, 2024

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



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

**RE: KIN-23Q4**

**WorkOrder: 23110441**

Dear Eric Bauer:

TEKLAB, INC received 24 samples on 11/29/2023 12:21:00 PM for the analysis presented in the following report.

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

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

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

Sincerely,



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



## Report Contents

<http://www.teklabinc.com/>

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**Client:** Ramboll

**Work Order:** 23110441

**Client Project:** KIN-23Q4

**Report Date:** 03-Jan-24

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**This reporting package includes the following:**

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	5
Accreditations	6
Laboratory Results	7
Sample Summary	29
Receiving Check List	30
Chain of Custody	Appended

Client: Ramboll

Work Order: 23110441

Client Project: KIN-23Q4

Report Date: 03-Jan-24

### Abbr Definition

\* Analytes on report marked with an asterisk are not NELAP accredited

CCV Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.

CRQL A Client Requested Quantitation Limit is a reporting limit that varies according to customer request. The CRQL may not be less than the MDL.

DF Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilution factors.

DNI Did not ignite

DUP Laboratory duplicate is a replicate aliquot prepared under the same laboratory conditions and independently analyzed to obtain a measure of precision.

ICV Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.

IDPH IL Dept. of Public Health

LCS Laboratory control sample is a sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes and analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system.

LCSD Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).

MBLK Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.

MDL "The method detection limit is defined as the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results."

MS Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).

MSD Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).

MW Molecular weight

NC Data is not acceptable for compliance purposes

ND Not Detected at the Reporting Limit

NELAP NELAP Accredited

PQL Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions.

RL The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.

RPD Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).

SPK The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.

Surr Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.

TIC Tentatively identified compound: Analytes tentatively identified in the sample by using a library search. Only results not in the calibration standard will be reported as tentatively identified compounds. Results for tentatively identified compounds that are not present in the calibration standard, but are assigned a specific chemical name based upon the library search, are calculated using total peak areas from reconstructed ion chromatograms and a response factor of one. The nearest Internal Standard is used for the calculation. The results of any TICs must be considered estimated, and are flagged with a "T". If the estimated result is above the calibration range it is flagged "ET"

TNTC Too numerous to count ( > 200 CFU )

**Client:** Ramboll

**Work Order:** 23110441

**Client Project:** KIN-23Q4

**Report Date:** 03-Jan-24

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### Qualifiers

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

**Client:** Ramboll  
**Client Project:** KIN-23Q4

**Work Order:** 23110441  
**Report Date:** 03-Jan-24

**Cooler Receipt Temp:** 9.0 °C

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

MW-27 and MW-8S could not be collected; the wells were dry. EAH 11/29/23

Ra226/228 analyses were performed by Eurofins St. Louis. See attached report for results and QC.

---

**Locations**

---

**Collinsville**

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

---

**Collinsville Air**

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

---

**Springfield**

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

---

**Chicago**

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

---

**Kansas City**

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



## Accreditations

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23110441

Client Project: KIN-23Q4

Report Date: 03-Jan-24

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





# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q4  
Lab ID: 23110441-001  
Matrix: GROUNDWATER

Work Order: 23110441  
Report Date: 03-Jan-24  
Client Sample ID: MW-1  
Collection Date: 11/27/2023 12:05

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>									
Subcontracted Analysis	*	0	0		See Attached		1	12/28/2023 11:54	R341275



## Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23110441

Client Project: KIN-23Q4

Report Date: 03-Jan-24

Lab ID: 23110441-002

Client Sample ID: MW-11

Matrix: GROUNDWATER

Collection Date: 11/28/2023 10:44

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>									
Subcontracted Analysis	*	0	0		See Attached		1	12/28/2023 11:54	R341275



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23110441

Client Project: KIN-23Q4

Report Date: 03-Jan-24

Lab ID: 23110441-003

Client Sample ID: MW-12

Matrix: GROUNDWATER

Collection Date: 11/28/2023 10:03

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>									
Subcontracted Analysis	*	0	0		See Attached		1	12/28/2023 11:54	R341275



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q4  
Lab ID: 23110441-004  
Matrix: GROUNDWATER

Work Order: 23110441  
Report Date: 03-Jan-24  
Client Sample ID: MW-2  
Collection Date: 11/27/2023 11:11

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>									
Subcontracted Analysis	*	0	0		See Attached		1	12/28/2023 11:54	R341275



## Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23110441

Client Project: KIN-23Q4

Report Date: 03-Jan-24

Lab ID: 23110441-005

Client Sample ID: MW-20

Matrix: GROUNDWATER

Collection Date: 11/28/2023 13:20

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>									
Subcontracted Analysis	*	0	0		See Attached		1	12/28/2023 11:54	R341275



## Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23110441

Client Project: KIN-23Q4

Report Date: 03-Jan-24

Lab ID: 23110441-006

Client Sample ID: MW-20S

Matrix: GROUNDWATER

Collection Date: 11/28/2023 12:41

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>									
Subcontracted Analysis	*	0	0		See Attached		1	12/28/2023 11:54	R341275



## Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23110441

Client Project: KIN-23Q4

Report Date: 03-Jan-24

Lab ID: 23110441-007

Client Sample ID: MW-23

Matrix: GROUNDWATER

Collection Date: 11/28/2023 11:21

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>									
Subcontracted Analysis	*	0	0		See Attached		1	12/28/2023 11:52	R341275



## Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
 Client Project: KIN-23Q4

Work Order: 23110441  
 Report Date: 03-Jan-24

Lab ID: 23110441-009

Client Sample ID: MW-28

Matrix: GROUNDWATER

Collection Date: 11/28/2023 14:23

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>									
Subcontracted Analysis	*	0	0		See Attached		1	12/28/2023 11:52	R341275





## Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23110441

Client Project: KIN-23Q4

Report Date: 03-Jan-24

Lab ID: 23110441-010

Client Sample ID: MW-3

Matrix: GROUNDWATER

Collection Date: 11/28/2023 12:08

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>									
Subcontracted Analysis	*	0	0		See Attached		1	12/28/2023 11:53	R341275



## Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23110441

Client Project: KIN-23Q4

Report Date: 03-Jan-24

Lab ID: 23110441-011

Client Sample ID: MW-30

Matrix: GROUNDWATER

Collection Date: 11/28/2023 12:24

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>									
Subcontracted Analysis	*	0	0		See Attached		1	12/28/2023 11:53	R341275



## Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23110441

Client Project: KIN-23Q4

Report Date: 03-Jan-24

Lab ID: 23110441-012

Client Sample ID: MW-31

Matrix: GROUNDWATER

Collection Date: 11/27/2023 13:47

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>									
Subcontracted Analysis	*	0	0		See Attached		1	12/28/2023 11:53	R341275



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23110441

Client Project: KIN-23Q4

Report Date: 03-Jan-24

Lab ID: 23110441-013

Client Sample ID: MW-31S

Matrix: GROUNDWATER

Collection Date: 11/27/2023 13:09

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>									
Subcontracted Analysis	*	0	0		See Attached		1	12/28/2023 11:53	R341275



## Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23110441

Client Project: KIN-23Q4

Report Date: 03-Jan-24

Lab ID: 23110441-014

Client Sample ID: MW-32

Matrix: GROUNDWATER

Collection Date: 11/27/2023 11:32

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>									
Subcontracted Analysis	*	0	0		See Attached		1	12/28/2023 11:53	R341275



## Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23110441

Client Project: KIN-23Q4

Report Date: 03-Jan-24

Lab ID: 23110441-015

Client Sample ID: MW-5

Matrix: GROUNDWATER

Collection Date: 11/27/2023 12:31

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>									
Subcontracted Analysis	*	0	0		See Attached		1	12/28/2023 11:58	R341275



## Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
 Client Project: KIN-23Q4

Work Order: 23110441  
 Report Date: 03-Jan-24

Lab ID: 23110441-016

Client Sample ID: MW-6

Matrix: GROUNDWATER

Collection Date: 11/28/2023 13:36

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>									
Subcontracted Analysis	*	0	0		See Attached		1	12/28/2023 11:58	R341275



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q4

Work Order: 23110441  
Report Date: 03-Jan-24

Lab ID: 23110441-017

Client Sample ID: MW-7

Matrix: GROUNDWATER

Collection Date: 11/27/2023 13:35

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>									
Subcontracted Analysis	*	0	0		See Attached		1	12/28/2023 11:58	R341275





# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23110441

Client Project: KIN-23Q4

Report Date: 03-Jan-24

Lab ID: 23110441-018

Client Sample ID: MW-7S

Matrix: GROUNDWATER

Collection Date: 11/27/2023 12:54

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>									
Subcontracted Analysis	*	0	0		See Attached		1	12/28/2023 11:58	R341275



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q4

Work Order: 23110441  
Report Date: 03-Jan-24

Lab ID: 23110441-019

Client Sample ID: MW-8

Matrix: GROUNDWATER

Collection Date: 11/28/2023 10:35

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>									
Subcontracted Analysis	*	0	0		See Attached		1	12/28/2023 11:58	R341275



# Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23110441

Client Project: KIN-23Q4

Report Date: 03-Jan-24

Lab ID: 23110441-021

Client Sample ID: PZ-4A

Matrix: GROUNDWATER

Collection Date: 11/29/2023 10:30

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>									
Subcontracted Analysis	*	0	0		See Attached		1	12/28/2023 11:59	R341275



## Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23110441

Client Project: KIN-23Q4

Report Date: 03-Jan-24

Lab ID: 23110441-022

Client Sample ID: PZ-4C

Matrix: GROUNDWATER

Collection Date: 11/28/2023 14:01

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>									
Subcontracted Analysis	*	0	0		See Attached		1	12/28/2023 11:59	R341275



## Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23110441

Client Project: KIN-23Q4

Report Date: 03-Jan-24

Lab ID: 23110441-023

Client Sample ID: Field Blank

Matrix: AQUEOUS

Collection Date: 11/29/2023 10:35

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>									
Subcontracted Analysis	*	0	0		See Attached		1	12/28/2023 11:44	R341275



## Laboratory Results

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q4

Work Order: 23110441  
Report Date: 03-Jan-24

Lab ID: 23110441-024

Client Sample ID: MW-8 Duplicate

Matrix: GROUNDWATER

Collection Date: 11/28/2023 10:35

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>									
Subcontracted Analysis	*	0	0		See Attached		1	12/28/2023 11:44	R341275



## Sample Summary

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23110441

Client Project: KIN-23Q4

Report Date: 03-Jan-24

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
23110441-001	MW-1	Groundwater	1	11/27/2023 12:05
23110441-002	MW-11	Groundwater	1	11/28/2023 10:44
23110441-003	MW-12	Groundwater	1	11/28/2023 10:03
23110441-004	MW-2	Groundwater	1	11/27/2023 11:11
23110441-005	MW-20	Groundwater	1	11/28/2023 13:20
23110441-006	MW-20S	Groundwater	1	11/28/2023 12:41
23110441-007	MW-23	Groundwater	1	11/28/2023 11:21
23110441-008	MW-27	Groundwater	1	11/27/2023 10:44
23110441-009	MW-28	Groundwater	1	11/28/2023 14:23
23110441-010	MW-3	Groundwater	1	11/28/2023 12:08
23110441-011	MW-30	Groundwater	1	11/28/2023 12:24
23110441-012	MW-31	Groundwater	1	11/27/2023 13:47
23110441-013	MW-31S	Groundwater	1	11/27/2023 13:09
23110441-014	MW-32	Groundwater	1	11/27/2023 11:32
23110441-015	MW-5	Groundwater	1	11/27/2023 12:31
23110441-016	MW-6	Groundwater	1	11/28/2023 13:36
23110441-017	MW-7	Groundwater	1	11/27/2023 13:35
23110441-018	MW-7S	Groundwater	1	11/27/2023 12:54
23110441-019	MW-8	Groundwater	1	11/28/2023 10:35
23110441-020	MW-8S	Groundwater	1	11/27/2023 10:25
23110441-021	PZ-4A	Groundwater	1	11/29/2023 10:30
23110441-022	PZ-4C	Groundwater	1	11/28/2023 14:01
23110441-023	Field Blank	Aqueous	1	11/29/2023 10:35
23110441-024	MW-8 Duplicate	Groundwater	1	11/28/2023 10:35



# Receiving Check List

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23110441

Client Project: KIN-23Q4

Report Date: 03-Jan-24

Carrier: Justin Colp

Received By: AMD

Completed by:

*Amber Dilallo*

Reviewed by:

*Ellie Hopkins*

On:

27-Nov-23

Amber Dilallo

On:

29-Nov-23

Ellie Hopkins

Pages to follow: Chain of custody

Extra pages included

- |   |   |   |  |                                  |
|---|---|---|--|----------------------------------|
| Shipping container/cooler in good condition?            | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>             | Not Present <input type="checkbox"/>   | Temp °C <b>9.0</b>               |
| Type of thermal preservation?                           | None <input type="checkbox"/>           | Ice <input checked="" type="checkbox"/> | Blue Ice <input type="checkbox"/>      | Dry Ice <input type="checkbox"/> |
| Chain of custody present?                               | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>             |  |                                  |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>             |  |                                  |
| Chain of custody agrees with sample labels?             | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>             |  |                                  |
| Samples in proper container/bottle?                     | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>             |  |                                  |
| Sample containers intact?                               | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>             |  |                                  |
| Sufficient sample volume for indicated test?            | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>             |  |                                  |
| All samples received within holding time?               | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>             |  |                                  |
| Reported field parameters measured:                     | Field <input type="checkbox"/>          | Lab <input type="checkbox"/>            | NA <input checked="" type="checkbox"/> |                                  |
| Container/Temp Blank temperature in compliance?         | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>             |  |                                  |

*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 <input type="checkbox"/> | No <input type="checkbox"/>            | No VOA vials <input checked="" type="checkbox"/>      |
| Water - TOX containers have zero headspace?               | Yes <input type="checkbox"/> | No <input type="checkbox"/>            | No TOX containers <input checked="" type="checkbox"/> |
| Water - pH acceptable upon receipt?                       | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | NA <input type="checkbox"/>                           |
| NPDES/CWA TCN interferences checked/treated in the field? | Yes <input type="checkbox"/> | No <input type="checkbox"/>            | NA <input checked="" type="checkbox"/>                |

**Any No responses must be detailed below or on the COC.**

pH strip #90719. - amberdilallo - 11/27/2023 4:42:37 PM

Additional Nitric Acid (93773) was needed in MW-5 and MW-31S upon arrival at the laboratory. - amberdilallo - 11/27/2023 4:42:39 PM

Samples collected on 11/28/23 were delivered to the laboratory on 11/28/23 at 1600 (on ice - 9.8C - LTG5). pH strip #90719. Additional nitric (93773) was needed in MW-20S upon arrival at the laboratory. - HW/MEK 11/29/23

Samples collected on 11/29/23 were delivered to the laboratory on 11/29/23 at 1221 (on ice - 6.8C - LTG1). pH strip #90719. AMD 11/29/23



### CHAIN-OF-CUSTODY / Analytical Request Document

23110441

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

Page: 1 of 2

<b>Section A</b> Required Client Information:		<b>Section B</b> Required Project Information:		<b>Section C</b> Invoice Information:	
Company: <b>Vistra Corp-Kincaid</b>		Report To: <b>Brian Voelker, Sam Davies</b>		Attention: <b>Brian Voelker, Tim Arnold</b>	
Address: <b>199 IL 104</b>		Copy To: <b>Tim Arnold</b>		Company Name: <b>Vistra Corp</b>	
<b>Kincaid, IL 62540</b>				Address: <b>see Section A</b>	
Email To: <b>Brian.Voelker@VistraCorp.com</b> <b>Tim.Arnold@vistracorp.com</b>		Purchase Order No.:		Quote Reference:	
Phone: <b>(217) 753-8911</b> Fax:		Project Name:		Project Manager: <b>Liz Hurley</b>	
Requested Due Date/FAT: <b>10 day</b>		Project Number:		Profile #:	
				<b>REGULATORY AGENCY</b>	
				NPDES    GROUND WATER    DRINKING WATER	
				UST    RCRA    OTHER	
				Site Location	
				STATE: <b>IL</b>	

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Project No./ Lab I.D.			
					DATE	TIME			Unpreserved	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	Methanol	Other					KIN-257-141	KIN-845-141	KIN-SUP-000
1	MW-1	WT	G		11/27/23	1205	2	2	2							X	X				23110441-001		
2	MW-11	WT	G				2	2	2							X	X				23110441-002		
3	MW-12	WT	G				2	2	2							X	X				23110441-003		
4	MW-2	WT	G		11/27/23	11:11	2	2	2							X	X				23110441-004		
5	MW-20	WT	G				2	2	2							X	X				23110441-005		
6	MW-20S	WT	G				2	2	2							X	X				23110441-006		
7	MW-23	WT	G				2	2	2							X	X				23110441-007		
8	MW-27	WT	G				2	2	2							X	X				23110441-008		
9	MW-28	WT	G				2	2	2							X	X				23110441-009		
10	MW-3	WT	G				2	2	2							X	X				23110441-010		
11	MW-30	WT	G				2	2	2							X	X				23110441-011		
12	MW-31	WT	G		11-27-23	1347	2	2	2							X	X				23110441-012		
13	MW-31S	WT	G		11-27-23	1309	2	2	2							X	X				23110441-013		
14	MW-32	WT	G		11-27-23	1132	2	2	2							X	X				23110441-014		
15	MW-5	WT	G		11-27-23	1231	2	2	2							X	X				23110441-015		
16	MW-6	WT	G				2	2	2							X	X				23110441-016		

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
<b>KIN-23Q4 Rev 0</b> Radium 226/228, only	J. Cole	11-27	1615	Justin Cole	11/27/23	1615	9.0	>	z	Y
							UCL			

Added MnO3 (93773) to  
 MW-5 & MW-31S.  
 pH ✓ 9.0719 UCL 11/27/23

<b>SAMPLER NAME AND SIGNATURE</b>			
PRINT Name of SAMPLER:		DATE Signed (MM/DD/YY):	
SIGNATURE of SAMPLER: <i>Justin Cole</i>		11-27-23	
Temp in °C	Received on Ice (Y/N)	Cooler Sealed (Y/N)	Samples Intact (Y/N)









 **ANALYTICAL REPORT****PREPARED FOR**

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

Generated 1/2/2024 5:14:24 PM

**JOB DESCRIPTION**

Radium-226 and Radium-228  
23110441

**JOB NUMBER**

160-52403-1

# 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  
1/2/2024 5:14:24 PM

Authorized for release by  
Casey Robertson, Project Manager  
[Casey.Robertson@et.eurofinsus.com](mailto:Casey.Robertson@et.eurofinsus.com)  
Designee for  
Jayna Awalt, Project Manager II  
[Jayna.Awalt@et.eurofinsus.com](mailto:Jayna.Awalt@et.eurofinsus.com)  
(314)298-8566



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# Case Narrative

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

Job ID: 160-52403-1

**Job ID: 160-52403-1**

**Eurofins St. Louis**

## Job Narrative 160-52403-1

### Receipt

The samples were received on 11/30/2023 12:25 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved. The temperatures of the 2 coolers at receipt time were 16.8°C and 16.8°C

### Gas Flow Proportional Counter

Method 904.0: Radium-228 Prep Batch 639341:

The detection goal was not met for the following sample(s). Sample was prepped at a reduced volume due to the presence of matrix interferences: 23110441-021 (160-52403-21). 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.

Eurofins St. Louis

**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  Lab  Field

Teklab Inc  
5445 Horseshoe Lake Road  
Collinsville, IL 62234  
Cooler Temp:  Sampler:  QC Level:  2

Project#: 23110441  
Comments: **Please issue reports and invoices via email only**  
Please analyze for Radium 22/228 per standard GW methods.  
Changes to methods must be approved by Teklab, Inc.  
Batch QC is required for all analyses requested. Excel EDD requested. IL site.

Contact: Elizabeth Hurley Email: ehurley@teklabinc.com  
Requested Due Date: Standard TAT Billing/PO: 35310 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 uses 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
	23110441-001	11/27/23 1205	HNO3	Groundwater
	23110441-002	11/28/23 1044	HNO3	Groundwater
	23110441-003	11/28/23 1003	HNO3	Groundwater
	23110441-004	11/27/23 1111	HNO3	Groundwater
	23110441-005	11/28/23 1320	HNO3	Groundwater
	23110441-006	11/28/23 1241	HNO3	Groundwater
	23110441-007	11/28/23 1121	HNO3	Groundwater
	23110441-008	Dry		Groundwater
	23110441-009	11/28/23 1423	HNO3	Groundwater
	23110441-010	11/28/23 1208	HNO3	Groundwater
	23110441-011	11/28/23 1224	HNO3	Groundwater



\*Relinquished By: Sandra Caldwell Date/Time: 11/29/23  
 Received By: Jana Worthington Date/Time: 11/30/23 1225

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)







## Login Sample Receipt Checklist

Client: TekLab, Inc

Job Number: 160-52403-1

SDG Number: 23110441

**Login Number: 52403**

**List Number: 1**

**Creator: Worthington, Sierra M**

**List Source: Eurofins St. Louis**

Question	Answer	Comment
Radioactivity wasn't checked or is <math>\leq</math> 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	No volume was received for samples 8 and 20. Notation of "Dry" is written on chain.
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 <math><6\text{mm}</math> (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: 160-52403-1  
SDG: 23110441

## 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.
α	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: 160-52403-1  
SDG: 23110441

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: 160-52403-1  
SDG: 23110441

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
160-52403-1	23110441-001	Water	11/27/23 12:05	11/30/23 12:25
160-52403-2	23110441-002	Water	11/28/23 10:44	11/30/23 12:25
160-52403-3	23110441-003	Water	11/28/23 10:03	11/30/23 12:25
160-52403-4	23110441-004	Water	11/27/23 11:11	11/30/23 12:25
160-52403-5	23110441-005	Water	11/28/23 13:20	11/30/23 12:25
160-52403-6	23110441-006	Water	11/28/23 12:41	11/30/23 12:25
160-52403-7	23110441-007	Water	11/28/23 11:21	11/30/23 12:25
160-52403-9	23110441-009	Water	11/28/23 14:23	11/30/23 12:25
160-52403-10	23110441-010	Water	11/28/23 12:08	11/30/23 12:25
160-52403-11	23110441-011	Water	11/28/23 12:24	11/30/23 12:25
160-52403-12	23110441-012	Water	11/27/23 13:47	11/30/23 12:25
160-52403-13	23110441-013	Water	11/27/23 13:09	11/30/23 12:25
160-52403-14	23110441-014	Water	11/27/23 11:32	11/30/23 12:25
160-52403-15	23110441-015	Water	11/27/23 12:31	11/30/23 12:25
160-52403-16	23110441-016	Water	11/28/23 13:36	11/30/23 12:25
160-52403-17	23110441-017	Water	11/27/23 13:35	11/30/23 12:25
160-52403-18	23110441-018	Water	11/27/23 12:54	11/30/23 12:25
160-52403-19	23110441-019	Water	11/28/23 10:35	11/30/23 12:25
160-52403-21	23110441-021	Water	11/29/23 10:30	11/30/23 12:25
160-52403-22	23110441-022	Water	11/28/23 14:01	11/30/23 12:25
160-52403-23	23110441-023	Water	11/29/23 10:35	11/30/23 12:25
160-52403-24	23110441-024	Water	11/28/23 10:35	11/30/23 12:25





# Client Sample Results

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

Job ID: 160-52403-1  
SDG: 23110441

**Client Sample ID: 23110441-001**

**Lab Sample ID: 160-52403-1**

Date Collected: 11/27/23 12:05

Matrix: Water

Date Received: 11/30/23 12:25

**Method: EPA 903.0 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0422	U	0.129	0.129	1.00	0.280	pCi/L	12/04/23 09:34	12/29/23 14:49	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.8		30 - 110					12/04/23 09:34	12/29/23 14:49	1

**Method: EPA 904.0 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.160	U	0.281	0.281	1.00	0.485	pCi/L	12/04/23 09:37	12/28/23 11:54	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.8		30 - 110					12/04/23 09:37	12/28/23 11:54	1
Y Carrier	82.2		30 - 110					12/04/23 09:37	12/28/23 11:54	1

**Method: TAL-STL Ra226\_Ra228 Pos - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.160	U	0.309	0.309	5.00	0.485	pCi/L		01/02/24 09:24	1

**Client Sample ID: 23110441-002**

**Lab Sample ID: 160-52403-2**

Date Collected: 11/28/23 10:44

Matrix: Water

Date Received: 11/30/23 12:25

**Method: EPA 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	U	0.177	0.178	1.00	0.255	pCi/L	12/04/23 09:34	12/29/23 14:47	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.8		30 - 110					12/04/23 09:34	12/29/23 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
<b>Radium-228</b>	<b>0.751</b>		0.377	0.384	1.00	0.526	pCi/L	12/04/23 09:37	12/28/23 11:54	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.8		30 - 110					12/04/23 09:37	12/28/23 11:54	1
Y Carrier	83.7		30 - 110					12/04/23 09:37	12/28/23 11:54	1

**Method: TAL-STL Ra226\_Ra228 Pos - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
<b>Radium 226 and 228</b>	<b>0.992</b>		0.416	0.423	5.00	0.526	pCi/L		01/02/24 09:24	1

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# Client Sample Results

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

Job ID: 160-52403-1  
SDG: 23110441

**Client Sample ID: 23110441-003**

**Lab Sample ID: 160-52403-3**

Date Collected: 11/28/23 10:03

Matrix: Water

Date Received: 11/30/23 12:25

**Method: EPA 903.0 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.173	U	0.151	0.152	1.00	0.225	pCi/L	12/04/23 09:34	12/29/23 14:47	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.3		30 - 110					12/04/23 09:34	12/29/23 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	0.291	U	0.351	0.352	1.00	0.579	pCi/L	12/04/23 09:37	12/28/23 11:54	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.3		30 - 110					12/04/23 09:37	12/28/23 11:54	1
Y Carrier	88.2		30 - 110					12/04/23 09:37	12/28/23 11:54	1

**Method: TAL-STL Ra226\_Ra228 Pos - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.465	U	0.382	0.383	5.00	0.579	pCi/L		01/02/24 09:24	1

**Client Sample ID: 23110441-004**

**Lab Sample ID: 160-52403-4**

Date Collected: 11/27/23 11:11

Matrix: Water

Date Received: 11/30/23 12:25

**Method: EPA 903.0 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.267	U	0.219	0.220	1.00	0.322	pCi/L	12/04/23 09:34	12/29/23 14:47	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.8		30 - 110					12/04/23 09:34	12/29/23 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	0.567	U	0.447	0.450	1.00	0.689	pCi/L	12/04/23 09:37	12/28/23 11:54	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.8		30 - 110					12/04/23 09:37	12/28/23 11:54	1
Y Carrier	83.4		30 - 110					12/04/23 09:37	12/28/23 11:54	1

**Method: TAL-STL Ra226\_Ra228 Pos - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.834		0.498	0.501	5.00	0.689	pCi/L		01/02/24 09:24	1

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# Client Sample Results

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

Job ID: 160-52403-1  
 SDG: 23110441

**Client Sample ID: 23110441-005**

**Lab Sample ID: 160-52403-5**

Date Collected: 11/28/23 13:20

Matrix: Water

Date Received: 11/30/23 12:25

**Method: EPA 903.0 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.264	U	0.194	0.195	1.00	0.266	pCi/L	12/04/23 09:34	12/29/23 14:47	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.8		30 - 110					12/04/23 09:34	12/29/23 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	0.316	U	0.365	0.366	1.00	0.598	pCi/L	12/04/23 09:37	12/28/23 11:54	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.8		30 - 110					12/04/23 09:37	12/28/23 11:54	1
Y Carrier	86.4		30 - 110					12/04/23 09:37	12/28/23 11:54	1

**Method: TAL-STL Ra226\_Ra228 Pos - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.580	U	0.413	0.415	5.00	0.598	pCi/L		01/02/24 09:24	1

**Client Sample ID: 23110441-006**

**Lab Sample ID: 160-52403-6**

Date Collected: 11/28/23 12:41

Matrix: Water

Date Received: 11/30/23 12:25

**Method: EPA 903.0 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0746	U	0.133	0.133	1.00	0.321	pCi/L	12/04/23 09:34	12/29/23 14:47	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.8		30 - 110					12/04/23 09:34	12/29/23 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	0.337	U	0.403	0.404	1.00	0.665	pCi/L	12/04/23 09:37	12/28/23 11:54	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.8		30 - 110					12/04/23 09:37	12/28/23 11:54	1
Y Carrier	85.6		30 - 110					12/04/23 09:37	12/28/23 11:54	1

**Method: TAL-STL Ra226\_Ra228 Pos - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.337	U	0.424	0.425	5.00	0.665	pCi/L		01/02/24 09:24	1

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# Client Sample Results

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

Job ID: 160-52403-1  
SDG: 23110441

**Client Sample ID: 23110441-007**

**Lab Sample ID: 160-52403-7**

Date Collected: 11/28/23 11:21

Matrix: Water

Date Received: 11/30/23 12:25

**Method: EPA 903.0 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.225	U	0.213	0.214	1.00	0.335	pCi/L	12/04/23 09:34	12/29/23 14:48	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.5		30 - 110					12/04/23 09:34	12/29/23 14:48	1

**Method: EPA 904.0 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
<b>Radium-228</b>	<b>0.664</b>		0.363	0.368	1.00	0.504	pCi/L	12/04/23 09:37	12/28/23 11:52	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.5		30 - 110					12/04/23 09:37	12/28/23 11:52	1
Y Carrier	77.4		30 - 110					12/04/23 09:37	12/28/23 11:52	1

**Method: TAL-STL Ra226\_Ra228 Pos - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
<b>Radium 226 and 228</b>	<b>0.889</b>		0.421	0.426	5.00	0.504	pCi/L		01/02/24 09:24	1

**Client Sample ID: 23110441-009**

**Lab Sample ID: 160-52403-9**

Date Collected: 11/28/23 14:23

Matrix: Water

Date Received: 11/30/23 12:25

**Method: EPA 903.0 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0598	U	0.121	0.121	1.00	0.218	pCi/L	12/04/23 09:34	12/29/23 14:48	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.0		30 - 110					12/04/23 09:34	12/29/23 14:48	1

**Method: EPA 904.0 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.119	U	0.307	0.308	1.00	0.604	pCi/L	12/04/23 09:37	12/28/23 11:52	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.0		30 - 110					12/04/23 09:37	12/28/23 11:52	1
Y Carrier	78.9		30 - 110					12/04/23 09:37	12/28/23 11:52	1

**Method: TAL-STL Ra226\_Ra228 Pos - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.0598	U	0.330	0.331	5.00	0.604	pCi/L		01/02/24 09:24	1

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# Client Sample Results

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

Job ID: 160-52403-1  
 SDG: 23110441

**Client Sample ID: 23110441-010**

**Lab Sample ID: 160-52403-10**

Date Collected: 11/28/23 12:08

Matrix: Water

Date Received: 11/30/23 12:25

**Method: EPA 903.0 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0386	U	0.158	0.158	1.00	0.300	pCi/L	12/04/23 09:34	12/29/23 14:49	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.8		30 - 110					12/04/23 09:34	12/29/23 14:49	1

**Method: EPA 904.0 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.349	U	0.381	0.382	1.00	0.621	pCi/L	12/04/23 09:37	12/28/23 11:53	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.8		30 - 110					12/04/23 09:37	12/28/23 11:53	1
Y Carrier	83.0		30 - 110					12/04/23 09:37	12/28/23 11:53	1

**Method: TAL-STL Ra226\_Ra228 Pos - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.388	U	0.412	0.413	5.00	0.621	pCi/L		01/02/24 09:24	1

**Client Sample ID: 23110441-011**

**Lab Sample ID: 160-52403-11**

Date Collected: 11/28/23 12:24

Matrix: Water

Date Received: 11/30/23 12:25

**Method: EPA 903.0 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.143	U	0.184	0.184	1.00	0.306	pCi/L	12/04/23 09:34	12/29/23 14:49	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.5		30 - 110					12/04/23 09:34	12/29/23 14:49	1

**Method: EPA 904.0 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.571	U	0.514	0.517	1.00	0.820	pCi/L	12/04/23 09:37	12/28/23 11:53	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.5		30 - 110					12/04/23 09:37	12/28/23 11:53	1
Y Carrier	87.5		30 - 110					12/04/23 09:37	12/28/23 11:53	1

**Method: TAL-STL Ra226\_Ra228 Pos - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.714	U	0.546	0.549	5.00	0.820	pCi/L		01/02/24 09:24	1

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# Client Sample Results

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

Job ID: 160-52403-1  
 SDG: 23110441

**Client Sample ID: 23110441-012**

**Lab Sample ID: 160-52403-12**

Date Collected: 11/27/23 13:47

Matrix: Water

Date Received: 11/30/23 12:25

**Method: EPA 903.0 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.265	U	0.191	0.192	1.00	0.275	pCi/L	12/04/23 09:34	12/29/23 14:49	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.5		30 - 110					12/04/23 09:34	12/29/23 14:49	1

**Method: EPA 904.0 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
<b>Radium-228</b>	<b>0.675</b>		0.376	0.381	1.00	0.527	pCi/L	12/04/23 09:37	12/28/23 11:53	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.5		30 - 110					12/04/23 09:37	12/28/23 11:53	1
Y Carrier	77.0		30 - 110					12/04/23 09:37	12/28/23 11:53	1

**Method: TAL-STL Ra226\_Ra228 Pos - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
<b>Radium 226 and 228</b>	<b>0.939</b>		0.422	0.427	5.00	0.527	pCi/L		01/02/24 09:24	1

**Client Sample ID: 23110441-013**

**Lab Sample ID: 160-52403-13**

Date Collected: 11/27/23 13:09

Matrix: Water

Date Received: 11/30/23 12:25

**Method: EPA 903.0 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.457	U	0.327	0.329	1.00	0.479	pCi/L	12/04/23 09:34	12/29/23 14:49	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	79.9		30 - 110					12/04/23 09:34	12/29/23 14:49	1

**Method: EPA 904.0 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
<b>Radium-228</b>	<b>0.868</b>		0.537	0.543	1.00	0.787	pCi/L	12/04/23 09:37	12/28/23 11:53	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	79.9		30 - 110					12/04/23 09:37	12/28/23 11:53	1
Y Carrier	85.6		30 - 110					12/04/23 09:37	12/28/23 11:53	1

**Method: TAL-STL Ra226\_Ra228 Pos - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
<b>Radium 226 and 228</b>	<b>1.32</b>		0.629	0.635	5.00	0.787	pCi/L		01/02/24 09:24	1

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# Client Sample Results

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

Job ID: 160-52403-1  
SDG: 23110441

**Client Sample ID: 23110441-014**

**Lab Sample ID: 160-52403-14**

Date Collected: 11/27/23 11:32

Matrix: Water

Date Received: 11/30/23 12:25

**Method: EPA 903.0 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0461	U	0.136	0.136	1.00	0.251	pCi/L	12/04/23 09:34	12/29/23 14:44	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	97.0		30 - 110					12/04/23 09:34	12/29/23 14:44	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	-0.0536	U	0.290	0.290	1.00	0.564	pCi/L	12/04/23 09:37	12/28/23 11:53	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	97.0		30 - 110					12/04/23 09:37	12/28/23 11:53	1
Y Carrier	70.7		30 - 110					12/04/23 09:37	12/28/23 11:53	1

**Method: TAL-STL Ra226\_Ra228 Pos - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.0461	U	0.320	0.320	5.00	0.564	pCi/L		01/02/24 09:24	1

**Client Sample ID: 23110441-015**

**Lab Sample ID: 160-52403-15**

Date Collected: 11/27/23 12:31

Matrix: Water

Date Received: 11/30/23 12:25

**Method: EPA 903.0 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0866	U	0.171	0.171	1.00	0.306	pCi/L	12/04/23 09:34	12/29/23 14:44	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.8		30 - 110					12/04/23 09:34	12/29/23 14:44	1

**Method: EPA 904.0 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
<b>Radium-228</b>	<b>0.923</b>		0.570	0.576	1.00	0.851	pCi/L	12/04/23 09:37	12/28/23 11:58	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.8		30 - 110					12/04/23 09:37	12/28/23 11:58	1
Y Carrier	79.6		30 - 110					12/04/23 09:37	12/28/23 11:58	1

**Method: TAL-STL Ra226\_Ra228 Pos - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
<b>Radium 226 and 228</b>	<b>1.01</b>		0.595	0.601	5.00	0.851	pCi/L		01/02/24 09:24	1

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# Client Sample Results

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

Job ID: 160-52403-1  
SDG: 23110441

**Client Sample ID: 23110441-016**

**Lab Sample ID: 160-52403-16**

Date Collected: 11/28/23 13:36

Matrix: Water

Date Received: 11/30/23 12:25

**Method: EPA 903.0 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.00640	U	0.173	0.173	1.00	0.346	pCi/L	12/04/23 09:34	12/29/23 14:44	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.5		30 - 110					12/04/23 09:34	12/29/23 14:44	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	0.0556	U	0.433	0.433	1.00	0.796	pCi/L	12/04/23 09:37	12/28/23 11:58	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.5		30 - 110					12/04/23 09:37	12/28/23 11:58	1
Y Carrier	73.6		30 - 110					12/04/23 09:37	12/28/23 11:58	1

**Method: TAL-STL Ra226\_Ra228 Pos - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.0620	U	0.466	0.466	5.00	0.796	pCi/L		01/02/24 09:24	1

**Client Sample ID: 23110441-017**

**Lab Sample ID: 160-52403-17**

Date Collected: 11/27/23 13:35

Matrix: Water

Date Received: 11/30/23 12:25

**Method: EPA 903.0 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
<b>Radium-226</b>	<b>0.388</b>		0.201	0.204	1.00	0.260	pCi/L	12/04/23 09:34	12/29/23 14:44	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.3		30 - 110					12/04/23 09:34	12/29/23 14:44	1

**Method: EPA 904.0 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
<b>Radium-228</b>	<b>0.809</b>		0.410	0.417	1.00	0.568	pCi/L	12/04/23 09:37	12/28/23 11:58	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.3		30 - 110					12/04/23 09:37	12/28/23 11:58	1
Y Carrier	78.5		30 - 110					12/04/23 09:37	12/28/23 11:58	1

**Method: TAL-STL Ra226\_Ra228 Pos - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
<b>Radium 226 and 228</b>	<b>1.20</b>		0.457	0.464	5.00	0.568	pCi/L		01/02/24 09:24	1

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# Client Sample Results

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

Job ID: 160-52403-1  
 SDG: 23110441

**Client Sample ID: 23110441-018**

**Lab Sample ID: 160-52403-18**

Date Collected: 11/27/23 12:54

Matrix: Water

Date Received: 11/30/23 12:25

**Method: EPA 903.0 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.248	U	0.177	0.178	1.00	0.251	pCi/L	12/04/23 09:34	12/29/23 16:46	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.3		30 - 110					12/04/23 09:34	12/29/23 16:46	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	-0.0248	U	0.226	0.226	1.00	0.441	pCi/L	12/04/23 09:37	12/28/23 11:58	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.3		30 - 110					12/04/23 09:37	12/28/23 11:58	1
Y Carrier	86.7		30 - 110					12/04/23 09:37	12/28/23 11:58	1

**Method: TAL-STL Ra226\_Ra228 Pos - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.248	U	0.287	0.288	5.00	0.441	pCi/L		01/02/24 09:24	1

**Client Sample ID: 23110441-019**

**Lab Sample ID: 160-52403-19**

Date Collected: 11/28/23 10:35

Matrix: Water

Date Received: 11/30/23 12:25

**Method: EPA 903.0 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.324		0.179	0.182	1.00	0.223	pCi/L	12/04/23 09:34	12/29/23 16:46	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.0		30 - 110					12/04/23 09:34	12/29/23 16:46	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	-0.123	U	0.247	0.247	1.00	0.495	pCi/L	12/04/23 09:37	12/28/23 11:58	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.0		30 - 110					12/04/23 09:37	12/28/23 11:58	1
Y Carrier	93.1		30 - 110					12/04/23 09:37	12/28/23 11:58	1

**Method: TAL-STL Ra226\_Ra228 Pos - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.324	U	0.305	0.307	5.00	0.495	pCi/L		01/02/24 09:24	1

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# Client Sample Results

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

Job ID: 160-52403-1  
SDG: 23110441

**Client Sample ID: 23110441-021**

**Lab Sample ID: 160-52403-21**

Date Collected: 11/29/23 10:30

Matrix: Water

Date Received: 11/30/23 12:25

**Method: EPA 903.0 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.478	U	0.370	0.372	1.00	0.546	pCi/L	12/04/23 09:34	12/29/23 16:46	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.8		30 - 110					12/04/23 09:34	12/29/23 16:46	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	0.163	U G	0.641	0.641	1.00	1.15	pCi/L	12/04/23 09:37	12/28/23 11:59	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.8		30 - 110					12/04/23 09:37	12/28/23 11:59	1
Y Carrier	83.0		30 - 110					12/04/23 09:37	12/28/23 11:59	1

**Method: TAL-STL Ra226\_Ra228 Pos - Combined Radium-226 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	U	0.740	0.741	5.00	1.15	pCi/L		01/02/24 09:24	1

**Client Sample ID: 23110441-022**

**Lab Sample ID: 160-52403-22**

Date Collected: 11/28/23 14:01

Matrix: Water

Date Received: 11/30/23 12:25

**Method: EPA 903.0 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.712		0.253	0.261	1.00	0.263	pCi/L	12/04/23 09:34	12/29/23 16:46	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.8		30 - 110					12/04/23 09:34	12/29/23 16:46	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	-0.0111	U	0.256	0.256	1.00	0.492	pCi/L	12/04/23 09:37	12/28/23 11:59	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.8		30 - 110					12/04/23 09:37	12/28/23 11:59	1
Y Carrier	84.1		30 - 110					12/04/23 09:37	12/28/23 11:59	1

**Method: TAL-STL Ra226\_Ra228 Pos - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.712		0.360	0.366	5.00	0.492	pCi/L		01/02/24 09:24	1

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# Client Sample Results

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

Job ID: 160-52403-1  
SDG: 23110441

**Client Sample ID: 23110441-023**

**Lab Sample ID: 160-52403-23**

Date Collected: 11/29/23 10:35

Matrix: Water

Date Received: 11/30/23 12:25

**Method: EPA 903.0 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0792	U	0.139	0.139	1.00	0.243	pCi/L	12/04/23 09:27	12/29/23 16:50	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	96.5		30 - 110					12/04/23 09:27	12/29/23 16:50	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	0.000	U	0.248	0.248	1.00	0.470	pCi/L	12/04/23 09:32	12/28/23 11:44	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	96.5		30 - 110					12/04/23 09:32	12/28/23 11:44	1
Y Carrier	81.1		30 - 110					12/04/23 09:32	12/28/23 11:44	1

**Method: TAL-STL Ra226\_Ra228 Pos - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.0792	U	0.284	0.284	5.00	0.470	pCi/L		01/02/24 16:47	1

**Client Sample ID: 23110441-024**

**Lab Sample ID: 160-52403-24**

Date Collected: 11/28/23 10:35

Matrix: Water

Date Received: 11/30/23 12:25

**Method: EPA 903.0 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0527	U	0.132	0.132	1.00	0.240	pCi/L	12/04/23 09:27	12/29/23 16:50	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.8		30 - 110					12/04/23 09:27	12/29/23 16:50	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	-0.166	U	0.214	0.215	1.00	0.473	pCi/L	12/04/23 09:32	12/28/23 11:44	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.8		30 - 110					12/04/23 09:32	12/28/23 11:44	1
Y Carrier	74.0		30 - 110					12/04/23 09:32	12/28/23 11:44	1

**Method: TAL-STL Ra226\_Ra228 Pos - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.0527	U	0.251	0.252	5.00	0.473	pCi/L		01/02/24 16:47	1

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# QC Sample Results

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

Job ID: 160-52403-1  
 SDG: 23110441

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

**Lab Sample ID: MB 160-639337/1-A**  
**Matrix: Water**  
**Analysis Batch: 642534**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 639337**

Analyte	MB MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	0.04475	U	0.116	0.116	1.00	0.215	pCi/L	12/04/23 09:27	12/29/23 16:53	1
Carrier	MB MB		Limits			Prepared	Analyzed	Dil Fac		
%Yield	Qualifier									
Ba Carrier	101		30 - 110			12/04/23 09:27	12/29/23 16:53	1		

**Lab Sample ID: LCS 160-639337/2-A**  
**Matrix: Water**  
**Analysis Batch: 642534**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 639337**

Analyte	Spike Added	LCS Result	LCS Qual	Total	RL	MDC	Unit	%Rec	%Rec Limits
				Uncert. (2σ+/-)					
Radium-226	11.3	10.72		1.27	1.00	0.199	pCi/L	95	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits			Prepared	Analyzed	Dil Fac	
Ba Carrier	90.8			30 - 110					

**Lab Sample ID: MB 160-639339/1-A**  
**Matrix: Water**  
**Analysis Batch: 642534**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 639339**

Analyte	MB MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	-0.1027	U	0.0913	0.0917	1.00	0.248	pCi/L	12/04/23 09:34	12/29/23 14:46	1
Carrier	MB MB		Limits			Prepared	Analyzed	Dil Fac		
%Yield	Qualifier									
Ba Carrier	95.8		30 - 110			12/04/23 09:34	12/29/23 14:46	1		

**Lab Sample ID: LCS 160-639339/2-A**  
**Matrix: Water**  
**Analysis Batch: 642534**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 639339**

Analyte	Spike Added	LCS Result	LCS Qual	Total	RL	MDC	Unit	%Rec	%Rec Limits
				Uncert. (2σ+/-)					
Radium-226	11.3	9.736		1.19	1.00	0.224	pCi/L	86	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits			Prepared	Analyzed	Dil Fac	
Ba Carrier	92.8			30 - 110					

**Lab Sample ID: 160-52403-22 DU**  
**Matrix: Water**  
**Analysis Batch: 642534**

**Client Sample ID: 23110441-022**  
**Prep Type: Total/NA**  
**Prep Batch: 639339**

Analyte	Sample	Sample	DU	DU	Total	RL	MDC	Unit	RER	RER
	Result	Qual	Result	Qual	Uncert. (2σ+/-)					Limit
Radium-226	0.712		0.5750		0.222	1.00	0.215	pCi/L	0.28	1

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# QC Sample Results

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

Job ID: 160-52403-1  
 SDG: 23110441

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

Lab Sample ID: 160-52403-22 DU  
 Matrix: Water  
 Analysis Batch: 642534

Client Sample ID: 23110441-022  
 Prep Type: Total/NA  
 Prep Batch: 639339

Carrier	%Yield	Qualifier	Limits
Ba Carrier	93.8	U	30 - 110

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

Lab Sample ID: MB 160-639338/1-A  
 Matrix: Water  
 Analysis Batch: 642363

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 639338

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.08165	U	0.230	0.230	1.00	0.464	pCi/L	12/04/23 09:32	12/28/23 11:41	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	101		30 - 110	12/04/23 09:32	12/28/23 11:41	1
Y Carrier	75.5		30 - 110	12/04/23 09:32	12/28/23 11:41	1

Lab Sample ID: LCS 160-639338/2-A  
 Matrix: Water  
 Analysis Batch: 642363

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 639338

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228	9.36	9.381		1.29	1.00	0.488	pCi/L	100	75 - 125

Carrier	%Yield	Qualifier	Limits
Ba Carrier	90.8		30 - 110
Y Carrier	77.4		30 - 110

Lab Sample ID: MB 160-639341/1-A  
 Matrix: Water  
 Analysis Batch: 642235

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 639341

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.2230	U	0.306	0.306	1.00	0.512	pCi/L	12/04/23 09:37	12/28/23 11:54	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	95.8		30 - 110	12/04/23 09:37	12/28/23 11:54	1
Y Carrier	81.5		30 - 110	12/04/23 09:37	12/28/23 11:54	1

Lab Sample ID: LCS 160-639341/2-A  
 Matrix: Water  
 Analysis Batch: 642235

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 639341

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228	9.36	10.20		1.34	1.00	0.451	pCi/L	109	75 - 125

# QC Sample Results

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

Job ID: 160-52403-1  
 SDG: 23110441

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

**Lab Sample ID: LCS 160-639341/2-A**  
**Matrix: Water**  
**Analysis Batch: 642235**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 639341**

Carrier	LCS	LCS	Limits
	%Yield	Qualifier	
Ba Carrier	92.8		30 - 110
Y Carrier	86.7		30 - 110

**Lab Sample ID: 160-52403-22 DU**  
**Matrix: Water**  
**Analysis Batch: 642352**

**Client Sample ID: 23110441-022**  
**Prep Type: Total/NA**  
**Prep Batch: 639341**

Analyte	Sample	Sample	DU		Total	RL	MDC	Unit	RER	RER
	Result	Qual	Result	Qual	Uncert.					Limit
Radium-228	-0.0111	U	0.3365	U	0.331	1.00	0.529	pCi/L	0.59	1

Carrier	DU	DU	Limits
	%Yield	Qualifier	
Ba Carrier	93.8		30 - 110
Y Carrier	89.7		30 - 110

# QC Association Summary

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

Job ID: 160-52403-1  
SDG: 23110441

## Rad

### Prep Batch: 639337

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-52403-23	23110441-023	Total/NA	Water	PrecSep-21	
160-52403-24	23110441-024	Total/NA	Water	PrecSep-21	
MB 160-639337/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-639337/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

### Prep Batch: 639338

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-52403-23	23110441-023	Total/NA	Water	PrecSep_0	
160-52403-24	23110441-024	Total/NA	Water	PrecSep_0	
MB 160-639338/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-639338/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

### Prep Batch: 639339

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-52403-1	23110441-001	Total/NA	Water	PrecSep-21	
160-52403-2	23110441-002	Total/NA	Water	PrecSep-21	
160-52403-3	23110441-003	Total/NA	Water	PrecSep-21	
160-52403-4	23110441-004	Total/NA	Water	PrecSep-21	
160-52403-5	23110441-005	Total/NA	Water	PrecSep-21	
160-52403-6	23110441-006	Total/NA	Water	PrecSep-21	
160-52403-7	23110441-007	Total/NA	Water	PrecSep-21	
160-52403-9	23110441-009	Total/NA	Water	PrecSep-21	
160-52403-10	23110441-010	Total/NA	Water	PrecSep-21	
160-52403-11	23110441-011	Total/NA	Water	PrecSep-21	
160-52403-12	23110441-012	Total/NA	Water	PrecSep-21	
160-52403-13	23110441-013	Total/NA	Water	PrecSep-21	
160-52403-14	23110441-014	Total/NA	Water	PrecSep-21	
160-52403-15	23110441-015	Total/NA	Water	PrecSep-21	
160-52403-16	23110441-016	Total/NA	Water	PrecSep-21	
160-52403-17	23110441-017	Total/NA	Water	PrecSep-21	
160-52403-18	23110441-018	Total/NA	Water	PrecSep-21	
160-52403-19	23110441-019	Total/NA	Water	PrecSep-21	
160-52403-21	23110441-021	Total/NA	Water	PrecSep-21	
160-52403-22	23110441-022	Total/NA	Water	PrecSep-21	
MB 160-639339/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-639339/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
160-52403-22 DU	23110441-022	Total/NA	Water	PrecSep-21	

### Prep Batch: 639341

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-52403-1	23110441-001	Total/NA	Water	PrecSep_0	
160-52403-2	23110441-002	Total/NA	Water	PrecSep_0	
160-52403-3	23110441-003	Total/NA	Water	PrecSep_0	
160-52403-4	23110441-004	Total/NA	Water	PrecSep_0	
160-52403-5	23110441-005	Total/NA	Water	PrecSep_0	
160-52403-6	23110441-006	Total/NA	Water	PrecSep_0	
160-52403-7	23110441-007	Total/NA	Water	PrecSep_0	
160-52403-9	23110441-009	Total/NA	Water	PrecSep_0	
160-52403-10	23110441-010	Total/NA	Water	PrecSep_0	
160-52403-11	23110441-011	Total/NA	Water	PrecSep_0	
160-52403-12	23110441-012	Total/NA	Water	PrecSep_0	

# QC Association Summary

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

Job ID: 160-52403-1  
SDG: 23110441

## Rad (Continued)

### Prep Batch: 639341 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-52403-13	23110441-013	Total/NA	Water	PrecSep_0	
160-52403-14	23110441-014	Total/NA	Water	PrecSep_0	
160-52403-15	23110441-015	Total/NA	Water	PrecSep_0	
160-52403-16	23110441-016	Total/NA	Water	PrecSep_0	
160-52403-17	23110441-017	Total/NA	Water	PrecSep_0	
160-52403-18	23110441-018	Total/NA	Water	PrecSep_0	
160-52403-19	23110441-019	Total/NA	Water	PrecSep_0	
160-52403-21	23110441-021	Total/NA	Water	PrecSep_0	
160-52403-22	23110441-022	Total/NA	Water	PrecSep_0	
MB 160-639341/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-639341/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
160-52403-22 DU	23110441-022	Total/NA	Water	PrecSep_0	



# Tracer/Carrier Summary

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

Job ID: 160-52403-1  
SDG: 23110441

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

Matrix: Water

Prep Type: Total/NA

### Percent Yield (Acceptance Limits)

Lab Sample ID	Client Sample ID	Ba (30-110)
160-52403-1	23110441-001	90.8
160-52403-2	23110441-002	94.8
160-52403-3	23110441-003	91.3
160-52403-4	23110441-004	89.8
160-52403-5	23110441-005	90.8
160-52403-6	23110441-006	91.8
160-52403-7	23110441-007	93.5
160-52403-9	23110441-009	91.0
160-52403-10	23110441-010	85.8
160-52403-11	23110441-011	90.5
160-52403-12	23110441-012	91.5
160-52403-13	23110441-013	79.9
160-52403-14	23110441-014	97.0
160-52403-15	23110441-015	93.8
160-52403-16	23110441-016	91.5
160-52403-17	23110441-017	89.3
160-52403-18	23110441-018	93.3
160-52403-19	23110441-019	91.0
160-52403-21	23110441-021	90.8
160-52403-22	23110441-022	89.8
160-52403-22 DU	23110441-022	93.8
160-52403-23	23110441-023	96.5
160-52403-24	23110441-024	95.8
LCS 160-639337/2-A	Lab Control Sample	90.8
LCS 160-639339/2-A	Lab Control Sample	92.8
MB 160-639337/1-A	Method Blank	101
MB 160-639339/1-A	Method Blank	95.8

### Tracer/Carrier Legend

Ba = Ba Carrier

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

Matrix: Water

Prep Type: Total/NA

### Percent Yield (Acceptance Limits)

Lab Sample ID	Client Sample ID	Ba (30-110)	Y (30-110)
160-52403-1	23110441-001	90.8	82.2
160-52403-2	23110441-002	94.8	83.7
160-52403-3	23110441-003	91.3	88.2
160-52403-4	23110441-004	89.8	83.4
160-52403-5	23110441-005	90.8	86.4
160-52403-6	23110441-006	91.8	85.6
160-52403-7	23110441-007	93.5	77.4
160-52403-9	23110441-009	91.0	78.9
160-52403-10	23110441-010	85.8	83.0
160-52403-11	23110441-011	90.5	87.5
160-52403-12	23110441-012	91.5	77.0
160-52403-13	23110441-013	79.9	85.6
160-52403-14	23110441-014	97.0	70.7

Eurofins St. Louis

# Tracer/Carrier Summary

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

Job ID: 160-52403-1  
SDG: 23110441

**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)
160-52403-15	23110441-015	93.8	79.6
160-52403-16	23110441-016	91.5	73.6
160-52403-17	23110441-017	89.3	78.5
160-52403-18	23110441-018	93.3	86.7
160-52403-19	23110441-019	91.0	93.1
160-52403-21	23110441-021	90.8	83.0
160-52403-22	23110441-022	89.8	84.1
160-52403-22 DU	23110441-022	93.8	89.7
160-52403-23	23110441-023	96.5	81.1
160-52403-24	23110441-024	95.8	74.0
LCS 160-639338/2-A	Lab Control Sample	90.8	77.4
LCS 160-639341/2-A	Lab Control Sample	92.8	86.7
MB 160-639338/1-A	Method Blank	101	75.5
MB 160-639341/1-A	Method Blank	95.8	81.5

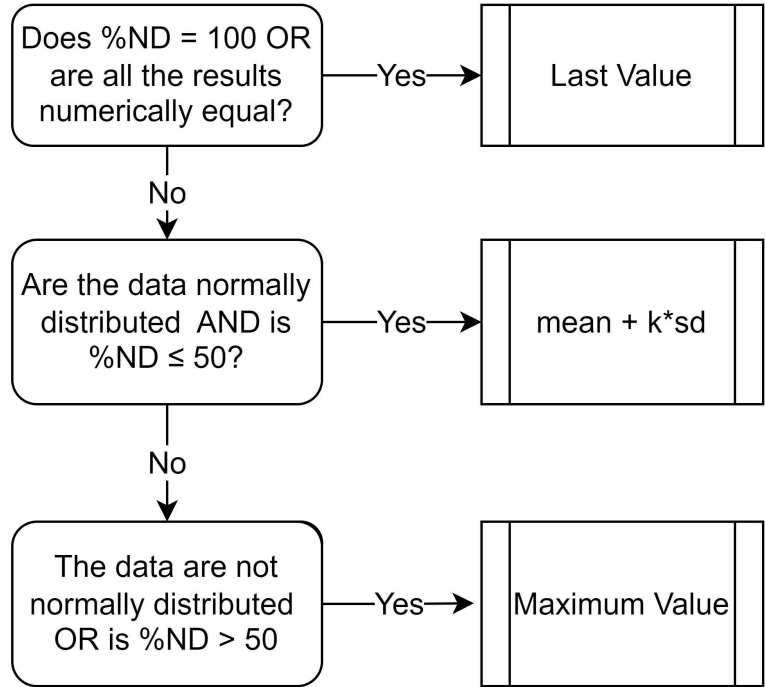
### Tracer/Carrier Legend

Ba = Ba Carrier

Y = Y Carrier

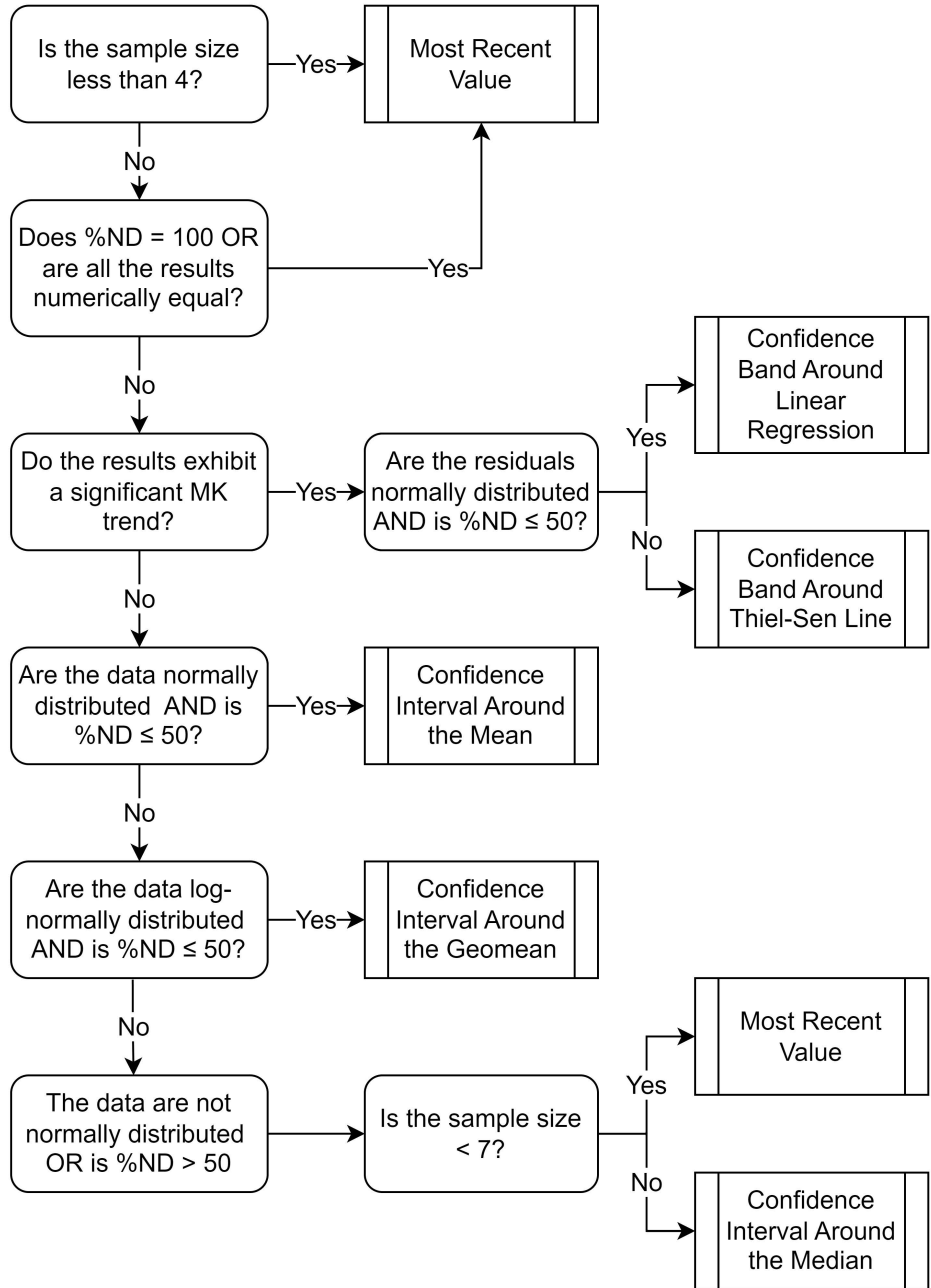
**APPENDIX B  
STATISTICAL METHODOLOGY FOR DETERMINATION  
OF BACKGROUND VALUES**

Notes
%ND = Percent non-detected samples
sd = standard deviation
k = kappa for tolerance limit (95% confidence/95% coverage)



**APPENDIX C  
STATISTICAL METHODOLOGY FOR DETERMINATION OF  
STATISTICALLY SIGNIFICANT LEVELS**

Notes
%ND = Percent non-detected samples
MK = Mann-Kendall Trend Test
<u>Alpha Levels</u>
Normality = 0.01
MK Trend = 0.01
Residuals = 0.01
Confidence Level= 0.01



**APPENDIX D**  
**ALTERNATIVE SOURCE DEMONSTRATIONS**

Intended for  
**Kincaid Generation, LLC**

Date  
**August 21, 2023**

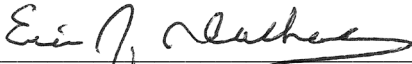
Project No.  
**1940103649-012**

**40 C.F.R. § 257.95(g)(3)(ii):  
ALTERNATE SOURCE  
DEMONSTRATION  
KINCAID POWER PLANT  
ASH POND  
CCR UNIT 141**



## CERTIFICATIONS

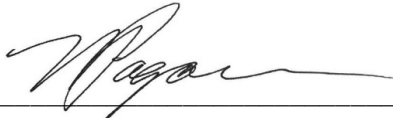
I, Eric J. Tlachac, a qualified professional engineer in good standing in the State of Illinois, certify that the information in this report is accurate as of the date of my signature below. The content of this report is not to be used other than for its intended purpose and meaning, or for extrapolations beyond the interpretations contained herein.



Eric J. Tlachac  
Qualified Professional Engineer  
062-063091  
Illinois  
Ramboll Americas Engineering Solutions, Inc.  
Date: August 21, 2023



I, Nicole M. Pagano, a professional geologist in good standing in the State of Illinois, certify that the information in this report is accurate as of the date of my signature below. The content of this report is not to be used other than for its intended purpose and meaning, or for extrapolations beyond the interpretations contained herein.



Nicole M. Pagano  
Professional Geologist  
196-000750  
Illinois  
Ramboll Americas Engineering Solutions, Inc.  
Date: August 21, 2023



## ALTERNATE SOURCE DEMONSTRATION

Title 40 of the Code of Federal Regulations (40 C.F.R.) § 257.95(g)(3)(ii) allows the owner or operator of a coal combustion residuals (CCR) unit 90 days from the date of determination of a statistically significant level (SSL) over groundwater protection standards (GWPS) of constituents listed in Appendix IV of 40 C.F.R. § 257 to complete a written demonstration that a source other than the CCR unit being monitored caused the SSL(s), or that the SSL(s) resulted from error in sampling, analysis, statistical evaluation, or natural variation in groundwater quality (Alternate Source Demonstration).

This Alternate Source Demonstration has been prepared on behalf of Kincaid Generation, LLC, by Ramboll Americas Engineering Solutions, Inc. to provide pertinent information pursuant to 40 C.F.R. § 257.95(g)(3)(ii) for the Ash Pond located at Kincaid Power Plant (KPP) located near Kincaid, Illinois.

The most recent Assessment Monitoring sampling event (A6) was completed on February 1, 2023, and analytical data were received on February 22, 2023. Analytical data from A6 were evaluated in accordance with the Multi-Site Statistical Analysis Plan<sup>1</sup> to identify Statistically Significant Increases (SSIs) of 40 C.F.R. § 257 Subpart D (CCR Rule) Appendix III parameters over background concentrations and SSLs of Appendix IV parameters over GWPSs by May 23, 2023, within 90 days of receipt of the analytical data. The statistical determination identified the following SSIs at compliance monitoring wells:

- Arsenic at well PZ-4C
- Lead at well PZ-4C

In accordance with the Multi-Site Statistical Analysis Plan, well PZ-4C was resampled on June 12, 2023. Following evaluation of analytical data from the resample event, the arsenic and lead SSLs observed at well PZ-4C were not confirmed. It is also of note that the turbidity levels at PZ-4C were elevated during the A6 event (640 nephelometric turbidity units [NTUs] with 3.7 NTUs measured during the resample event). The last time the well had been purged and sampled prior to the A6 sampling event was in the third quarter of 2021. Consequently, PZ-4C was redeveloped in March of 2023 to remove sedimentation. The combination of PZ-4C not being purged and sampled for a long period of time prior to redevelopment after A6 and subsequent resampling not confirming the SSLs observed during A6 indicates that elevated levels of suspended solids are the source of the arsenic and lead SSLs and not the Ash Pond.

This Alternate Source Demonstration was completed by August 21, 2023, within 90 days of determination of the SSLs (May 23, 2023), as required by 40 C.F.R. § 257.95(g)(3)(ii).

<sup>1</sup> Ramboll Americas Engineering Solutions, Inc. (Ramboll), 2022. Multi-Site Statistical Analysis Plan. December 28, 2022.