Prepared for
Kincaid Generation, LLC

Date
January 31, 2023

Project No.
1940102203-013

2022 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

ASH POND

KINCAID POWER PLANT

KINCAID, ILLINOIS

CCR UNIT 141

RAMBOLL Bright ideas. Sustainable change.

2022 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT KINCAID POWER PLANT ASH POND

Project name	**Kincaid Power Plant Ash Pond**
Project no.	**1940102203-013**
Recipient	**Kincaid Generation, LLC**
Document type	**Annual Groundwater Monitoring and Corrective Action Report**
Version	**FINAL**
Date	**January 31, 2023**
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Description	**Annual Report in Support of the CCR Rule Groundwater Monitoring Program**

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ACRONYMS AND ABBREVIATIONS

§	Section
35 I.A.C.	Title 35 of the Illinois Administrative Code
40 C.F.R.	Title 40 of the Code of Federal Regulations
AP	Ash Pond
ASD	Alternate 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
NRT/OBG	Natural Resource Technology, an OBG Company
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.) Section (§) 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.

No changes were made to the monitoring system in 2022 (no wells were installed or decommissioned). As discussed in Section 5 of this annual report, the monitoring well network will be updated in 2023 to use the same monitoring well network 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.

No Statistically Significant Levels (SSLs) of 40 C.F.R. § 257 Appendix IV parameters over groundwater protection standards (GWPSs) were determined in 2022, but statistically significant increases (SSIs) of Appendix III parameters above background values were determined. Consequently, a Corrective Measures Assessment (CMA) is not required and 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, summarizes key actions completed, describes any problems encountered, discusses actions to resolve the problems, and projects key activities for the upcoming year. 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.
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.
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.
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).
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. 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 2022.

2. MONITORING AND CORRECTIVE ACTION PROGRAM STATUS

No changes have occurred to the Monitoring Program status in calendar year 2022 and the AP remains in the assessment monitoring program in accordance with 40 C.F.R. § 257.95.

3. KEY ACTIONS COMPLETED IN 2022

The assessment monitoring program is summarized in **Table A** on the following page. The groundwater monitoring system, including the CCR unit and all background and compliance monitoring wells, is presented in **Figure 1**. No changes were made to the monitoring system in 2022 (no wells were installed or decommissioned). In general, one groundwater sample was collected from each background and compliance well during each monitoring event. All samples were collected and analyzed in accordance with the Sampling and Analysis Plan (SAP) (Natural Resource Technology, an OBG Company [NRT/OBG], 2017a). Potentiometric surface maps for the third quarter of 2021 and both monitoring events in 2022 are included in **Figures 2 through 4**. All monitoring data and analytical results obtained under 40 C.F.R. § 257.90 through 257.98 (as applicable) in the third quarter of 2021 and both monitoring events in 2022 are presented in **Tables 1 through 3**. Laboratory reports for the third quarter of 2021 and both monitoring events in 2022 are included in **Appendix A**.

Analytical data were evaluated in accordance with the Statistical Analysis Plan (NRT/OBG, 2017b) to determine any SSLs of Appendix IV parameters over GWPSs. 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 in included in **Table 6**. A flow chart showing the statistical methodology for determination of SSLs is included as **Appendix C**.

Table A. 2021-2022 Assessment Monitoring Program Summary

Sampling Dates	Analytical Data Receipt Date	Parameters Collected	SSL(s)	SSL(s) Determination Date	ASD Completion Date
September 1, 2021	September 24, 2021	Appendix III Appendix IV Detected [1]	None	December 16, 2021	NA
February 22-23, 2022	April 01, 2022	Appendix III Appendix IV	None	June 30, 2022	NA
September 1, 2022	October 13, 2022	Appendix III Appendix IV Detected [1]	None	January 11, 2023	NA

Notes:

ASD: Alternate Source Demonstration

NA: not applicable

SSL: Statistically Significant Level

TBD: to be determined

[1] Groundwater sample analysis was limited to Appendix IV parameters detected during previous events in accordance with 40 C.F.R. § 257.95(d)(1).

4. PROBLEMS ENCOUNTERED AND ACTIONS TO RESOLVE THE PROBLEMS

No problems were encountered with the Groundwater Monitoring Program during 2022. Groundwater samples were collected and analyzed in accordance with the SAP and all data were accepted.

5. KEY ACTIVITIES PLANNED FOR 2023

The following key activities are planned for 2023:

- Beginning in 2023, the current monitoring well system will be updated to use the same monitoring well network that was proposed for compliance with 35 I.A.C. § 845 which includes all of the monitoring wells used in the 2022 monitoring system. This is a logical step toward aligning the two regulatory programs. The following documents support the expanded monitoring system for 2023:
  - Hydrogeological Site Characterization Report (Ramboll, 2021), which expands upon the hydrogeologic information provided in the Hydrogeologic Monitoring Plan
  - Multi-Site SAP (Ramboll, 2022a)
  - Multi-Site Quality Assurance Project Plan (Ramboll, 2022b)
  - Multi-Site Data Management Plan (Ramboll, 2022c)
  - Multi-Site Statistical Analysis Plan and Certification (Ramboll, 2022d)
  - 40 C.F.R. § 257 Groundwater Monitoring Plan (Ramboll, 2022e), which replaces the monitoring plan provided in the Hydrogeologic Monitoring Plan
  - Monitoring Well Network Certification
- Continuation of the assessment monitoring program with semi-annual sampling scheduled for the first and third quarters of 2023.
- 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 alternate 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 alternate 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 2023 Annual Groundwater Monitoring and Corrective Action Report.
  - If an alternate 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 2023 will be met, including associated recordkeeping/notifications required by 40 C.F.R. §§ 257.105 through 257.108.

6. REFERENCES

Natural Resource Technology, an OBG Company (NRT/OBG), 2017a. Sampling and Analysis Plan, Kincaid Ash Pond, Kincaid Power Station, Kincaid, Illinois, Project No. 2285, Revision 0. October 17, 2017.

Natural Resource Technology, an OBG Company (NRT/OBG), 2017b. Statistical Analysis Plan, Kincaid Power Station, Kincaid Generation, L.L.C. October 17, 2017.

Ramboll Americas Engineering Solutions, Inc. (Ramboll), 2021. Hydrogeologic Site Characterization Report, Ash Pond, Kincaid Power Plant, Kincaid, Illinois. October 25, 2021.

Ramboll Americas Engineering Solutions, Inc. (Ramboll), 2022a. Multi-Site Sampling and Analysis Plan. December 28, 2022.

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

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

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

Ramboll Americas Engineering Solutions, Inc. (Ramboll), 2022e. 40 C.F.R. § 257 Groundwater Monitoring Plan, Ash Pond, Kincaid Power Plant, Kincaid, Illinois. December 28, 2022.

TABLES

TABLE 1
GROUNDWATER ELEVATIONS
2022 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
KINCAID POWER PLANT
141 - ASH POND
KINCAID, IL

Well ID	Monitored Unit	Well Screen Interval (feet BGS)	Well Type	Latitude (Decimal Degrees)	Longitude (Decimal Degrees)	Date	Depth to Groundwater (feet BMP)	Groundwater Elevation (feet NAVD88)
MW-1	UA	15 - 25	Background	39.59205	-89.49028	07/22/2021	15.35	589.36
MW-1	UA	15 - 25	Background	39.59205	-89.49028	02/22/2022	14.02	590.69
MW-1	UA	15 - 25	Background	39.59205	-89.49028	09/01/2022	15.62	589.09
MW-2	UA	10 - 20	Background	39.59070	-89.48892	07/22/2021	7.15	593.95
MW-2	UA	10 - 20	Background	39.59070	-89.48892	02/22/2022	4.11	596.99
MW-2	UA	10 - 20	Background	39.59070	-89.48892	09/01/2022	7.63	593.47
MW-3	UA	14 - 24	Water Level Only	39.59446	-89.48717	07/22/2021	8.64	592.82
MW-3	UA	14 - 24	Water Level Only	39.59446	-89.48717	02/22/2022	7.05	594.41
MW-3	UA	14 - 24	Water Level Only	39.59446	-89.48717	09/01/2022	8.69	592.77
MW-4	UA	12 - 22	Water Level Only	39.60075	-89.48735	07/22/2021	7.68	593.20
MW-4	UA	12 - 22	Water Level Only	39.60075	-89.48735	02/22/2022	6.84	594.04
MW-4	UA	12 - 22	Water Level Only	39.60075	-89.48735	09/01/2022	8.13	592.75
MW-5	UA	30 - 40	Compliance	39.60130	-89.49040	07/22/2021	26.35	593.09
MW-5	UA	30 - 40	Compliance	39.60130	-89.49040	02/22/2022	24.91	594.53
MW-5	UA	30 - 40	Compliance	39.60130	-89.49040	09/01/2022	27.24	592.20
MW-6	UA	10 - 20	Compliance	39.59864	-89.49894	07/22/2021	8.64	591.82
MW-6	UA	10 - 20	Compliance	39.59864	-89.49894	02/22/2022	6.61	593.85
MW-6	UA	10 - 20	Compliance	39.59864	-89.49894	09/01/2022	10.49	589.97
MW-7	UA	10 - 20	Compliance	39.59764	-89.49896	07/22/2021	10.02	587.73
MW-7	UA	10 - 20	Compliance	39.59764	-89.49896	02/22/2022	5.39	592.36
MW-7	UA	10 - 20	Compliance	39.59764	-89.49896	09/01/2022	10.37	587.38
MW-8	UA	12 - 22	Compliance	39.59440	-89.49683	07/22/2021	8.99	594.15
MW-8	UA	12 - 22	Compliance	39.59440	-89.49683	02/22/2022	5.71	597.43
MW-8	UA	12 - 22	Compliance	39.59440	-89.49683	09/01/2022	9.69	593.45
MW-9	UA	10 - 20	Water Level Only	39.59520	-89.50097	07/22/2021	10.55	588.84
MW-9	UA	10 - 20	Water Level Only	39.59520	-89.50097	02/22/2022	3.52	595.87
MW-9	UA	10 - 20	Water Level Only	39.59520	-89.50097	09/01/2022	11.98	587.41
MW-10	UA	10 - 20	Water Level Only	39.59065	-89.50374	07/22/2021	12.58	587.53
MW-10	UA	10 - 20	Water Level Only	39.59065	-89.50374	02/22/2022	9.33	590.78
MW-10	UA	10 - 20	Water Level Only	39.59065	-89.50374	09/01/2022	13.39	586.18
MW-11	UA	11 - 21	Compliance	39.59310	-89.49111	07/22/2021	11.75	590.06
MW-11	UA	11 - 21	Compliance	39.59310	-89.49111	02/22/2022	11.41	590.40
MW-11	UA	11 - 21	Compliance	39.59310	-89.49111	09/01/2022	11.71	590.10
MW-12	UA	15 - 25	Compliance	39.60021	-89.49638	07/22/2021	6.42	584.98
MW-12	UA	15 - 25	Compliance	39.60021	-89.49638	02/22/2022	5.62	585.78
MW-12	UA	15 - 25	Compliance	39.60021	-89.49638	09/01/2022	6.80	584.60
XPW01	CCR	22 - 32	Water Level Only	39.59442	-89.49310	07/22/2021	24.70	603.14
XPW01	CCR	22 - 32	Water Level Only	39.59442	-89.49310	02/22/2022	24.51	603.33

TABLE 1
GROUNDWATER ELEVATIONS
2022 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
KINCAID POWER PLANT
141 - ASH POND
KINCAID, IL

Well ID	Monitored Unit	Well Screen Interval (feet BGS)	Well Type	Latitude (Decimal Degrees)	Longitude (Decimal Degrees)	Date	Depth to Groundwater (feet BMP)	Groundwater Elevation (feet NAVD88)
XPW02	CCR	13 - 23	Water Level Only	39.59792	-89.49687	07/22/2021	16.69	603.50
XPW02	CCR	13 - 23	Water Level Only	39.59792	-89.49687	02/22/2022	16.62	603.57
XPW03	CCR	10 - 20	Water Level Only	39.59959	-89.49577	07/22/2021	15.22	600.86
XPW03	CCR	10 - 20	Water Level Only	39.59959	-89.49577	02/22/2022	15.19	600.89
XPW04	CCR	13 - 23	Water Level Only	39.60074	-89.49228	07/22/2021	3.61	602.92
XPW04	CCR	13 - 23	Water Level Only	39.60074	-89.49228	02/22/2022	3.11	603.42
XSG-01	CCR	NA	Water Level Only	39.59340	-89.48768	07/22/2021	1.05	607.38
XSG-01	CCR	NA	Water Level Only	39.59340	-89.48768	09/01/2022	18.00	590.43
SG-02	SW	NA	Water Level Only	39.59311	-89.49815	02/22/2022	-21.10	585.90
SG-02	SW	NA	Water Level Only	39.59311	-89.49815	09/01/2022	-19.92	584.72

Notes:
BGS = below ground surface
BMP = below measuring point
NAVD88 = North American Vertical Datum of 1988
NA = not available/not applicable
Monitored Unit Abbreviations:
CCR = coal combustion residuals
SW = surface water
UA = uppermost aquifer

TABLE 2
ANALYTICAL RESULTS - APPENDIX III PARAMETERS
2022 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
KINCAID POWER PLANT
141 - ASH POND
KINCAID, IL

Well ID	Well Type	Date	Event ID	Boron, total (mg/L)	Calcium, total (mg/L)	Chloride, total (mg/L)	Fluoride, total (mg/L)	pH (field) (SU)	Sulfate, total (mg/L)	Total Dissolved Solids (mg/L)
Background Value(s)	--	--	--	*0.273*	*105*	*17.8*	*0.470*	*6.3/7.7*	*202*	*685*
MW-1	Background	09/01/2021	A4D	0.301	55.2	9.00	0.190	6.5	85.0	302
MW-1	Background	02/22/2022	A5	0.222	58.8	10.0	0.160	6.4	83.0	334
MW-1	Background	09/01/2022	A5D	0.295	56.3	12.0	0.200	6.3	91.0	328
MW-2	Background	09/01/2021	A4D	0.128	93.4	15.0	0.420	7.0	133	476
MW-2	Background	02/22/2022	A5	0.0571	97.2	19.0	0.480	7.0	148	508
MW-2	Background	09/01/2022	A5D	0.0735	97.7	19.0	0.490	7.0	161	496
MW-5	Compliance	09/01/2021	A4D	0.625	143	47.0	0.160	6.6	10 U	652
MW-5	Compliance	02/22/2022	A5	0.560	158	46.0	0.170	6.7	10.0	732
MW-5	Compliance	09/01/2022	A5D	0.601	147	45.0	0.190	6.5	13.0	742
MW-6	Compliance	09/01/2021	A4D	1.28	93.5	4.00	0.190	6.4	173	498
MW-6	Compliance	02/23/2022	A5	0.710	85.1	2.00	0.190	6.6	108	422
MW-6	Compliance	09/01/2022	A5D	1.62	111	3 J	0.210	6.4	144	542
MW-7	Compliance	09/01/2021	A4D	0.604	198	3.00	0.260	6.6	317	970
MW-7	Compliance	02/23/2022	A5	0.0987	105	1.00	0.230	7.2	134	440
MW-7	Compliance	09/01/2022	A5D	0.441	120	2 J	0.300	6.8	147	564
MW-8	Compliance	09/01/2021	A4D	0.986	149	21.0	0.210	6.5	267	794
MW-8	Compliance	02/23/2022	A5	0.878	172	15.0	0.280	6.7	337	874
MW-8	Compliance	09/01/2022	A5D	1.11	156	21.0	0.220	6.5	247	836
MW-11	Compliance	09/01/2021	A4D	1.56	115	38.0	0.480	6.7	110	584
MW-11	Compliance	02/22/2022	A5	1.67	127	37.0	0.500	6.8	119	638
MW-11	Compliance	09/01/2022	A5D	1.89	126	34.0	0.490	6.7	123	665
MW-12	Compliance	09/01/2021	A4D	2.78	197	40.0	0.220	6.7	332	1,050
MW-12	Compliance	02/23/2022	A5	3.39	216	27.0	0.180	6.6	404	1,110
MW-12	Compliance	09/01/2022	A5D	4.06	206	31.0	0.190	6.6	426	1,100

Notes:
Exceedance of Background
mg/L = milligrams per liter
SU = Standard Units
U = The analyte was analyzed for, but was not detected above the level of the adjusted detection limit or quantitation limit, as appropriate. Lab reports may or may not report both the limit of detection and the limit of quantitation. Limits are provided in the electronic data deliverable. As such, the U-flagged result value provided in this table may not match the result value provided in the lab report.
J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

TABLE 3
ANALYTICAL RESULTS - APPENDIX IV PARAMETERS
2022 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
KINCAID POWER PLANT
141 - ASH POND
KINCAID, IL

Well ID	Well Type	Date	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	Background	09/01/2021	0.001 U	0.001 U	0.0466	0.001 U	0.001 U	0.0015 U	0.001 U	0.190	0.001 U	0.003 U	0.0002 U	0.0015 U	0.456	0.001 U	0.002 U
MW-1	Background	02/22/2022	0.001 U	0.001 U	0.0443	0.001 U	0.001 U	0.0015 U	0.001 U	0.160	0.001 U	0.003 U	0.0002 U	0.0015 U	0.264	0.001 U	0.002 U
MW-1	Background	09/01/2022	0.0004 U	0.0004 U	0.0517	0.0002 U	0.0002 U	0.0007 U	0.0001 U	0.200	0.0006 U	0.0022 J	0.00006 U	0.0006 U	0.502	0.0006 U	0.001 U
MW-2	Background	09/01/2021	0.001 U	0.00140	0.101	0.001 U	0.001 U	0.0015 U	0.001 U	0.420	0.001 U	0.00400	0.0002 U	0.00340	0.725	0.001 U	0.002 U
MW-2	Background	02/22/2022	0.001 U	0.00140	0.123	0.001 U	0.001 U	0.0015 U	0.001 U	0.480	0.001 U	0.00520	0.0002 U	0.00430	0.176	0.001 U	0.002 U
MW-2	Background	09/01/2022	0.0004 U	0.00180	0.141	0.0002 U	0.0002 U	0.00210	0.0003 J	0.490	0.00100	0.00670	0.00006 U	0.00560	0.720	0.0006 U	0.001 U
MW-5	Compliance	09/01/2021	0.001 U	0.00140	0.144	0.001 U	0.001 U	0.0015 U	0.001 U	0.160	0.001 U	0.00310	0.0002 U	0.0015 U	0.0861	0.001 U	0.002 U
MW-5	Compliance	02/22/2022	0.001 U	0.001 U	0.155	0.001 U	0.001 U	0.0015 U	0.001 U	0.170	0.001 U	0.00310	0.0002 U	0.0015 U	0.968 JB	0.001 U	0.002 U
MW-5	Compliance	09/01/2022	0.0004 U	0.0009 J	0.137	0.0002 U	0.0002 U	0.0007 U	0.0006 J	0.190	0.0006 U	0.0025 J	0.00006 U	0.0009 J	0.265 B	0.0006 U	0.001 U
MW-6	Compliance	09/01/2021	0.001 U	0.001 U	0.0405	0.001 U	0.001 U	0.0015 U	0.001 U	0.190	0.001 U	0.003 U	0.0002 U	0.0015 U	1.17	0.001 U	0.002 U
MW-6	Compliance	02/23/2022	0.001 U	0.001 U	0.0398	0.001 U	0.001 U	0.00200	0.001 U	0.190	0.001 U	0.003 U	0.0002 U	0.0015 U	1.89 JB	0.001 U	0.002 U
MW-6	Compliance	09/01/2022	0.0004 U	0.0004 U	0.0453	0.0002 U	0.0002 U	0.0013 J	0.0001 J	0.210	0.0006 U	0.0014 U	0.00006 U	0.0006 U	0.514 B	0.0006 U	0.001 U
MW-7	Compliance	09/01/2021	0.001 U	0.00140	0.0909	0.001 U	0.001 U	0.0015 U	0.00170	0.260	0.001 U	0.00430	0.0002 U	0.00310	1.83	0.001 U	0.002 U
MW-7	Compliance	02/23/2022	0.001 U	0.001 U	0.0648	0.001 U	0.001 U	0.0015 U	0.00160	0.230	0.001 U	0.003 U	0.0002 U	0.00320	2.13 JB	0.001 U	0.002 U
MW-7	Compliance	09/01/2022	0.0004 U	0.0009 J	0.0475	0.0002 U	0.0002 U	0.0007 U	0.0008 J	0.300	0.0006 U	0.00350	0.00006 U	0.00210	0.344 B	0.0006 U	0.001 U
MW-8	Compliance	09/01/2021	0.001 U	0.001 U	0.0270	0.001 U	0.001 U	0.0015 U	0.00130	0.210	0.001 U	0.003 U	0.0002 U	0.0015 U	0.604	0.001 U	0.002 U
MW-8	Compliance	02/23/2022	0.001 U	0.001 U	0.0191	0.001 U	0.001 U	0.0015 U	0.001 U	0.280	0.001 U	0.003 U	0.0002 U	0.0015 U	0.308	0.001 U	0.002 U
MW-8	Compliance	09/01/2022	0.0004 U	0.0004 U	0.0283	0.0002 U	0.0002 U	0.0007 U	0.00110	0.220	0.0006 U	0.0021 J	0.00006 U	0.0006 U	0.0980 B	0.0006 U	0.001 U
MW-11	Compliance	09/01/2021	0.001 U	0.00130	0.127	0.001 U	0.001 U	0.0015 U	0.001 U	0.480	0.001 U	0.003 U	0.0002 U	0.00220	1.31	0.001 U	0.002 U
MW-11	Compliance	02/22/2022	0.001 U	0.001 U	0.134	0.001 U	0.001 U	0.0015 U	0.001 U	0.500	0.001 U	0.003 U	0.0002 U	0.00230	0.795 JB	0.001 U	0.002 U
MW-11	Compliance	09/01/2022	0.0004 U	0.0108	0.172	0.0002 U	0.0002 U	0.0007 U	0.00130	0.490	0.0006 U	0.00330	0.00006 U	0.00200	0.456	0.0006 U	0.001 U
MW-12	Compliance	09/01/2021	0.001 U	0.001 U	0.0802	0.001 U	0.001 U	0.0015 U	0.001 U	0.220	0.001 U	0.00960	0.0002 U	0.0015 U	1.97	0.001 U	0.002 U
MW-12	Compliance	02/23/2022	0.001 U	0.001 U	0.0778	0.001 U	0.001 U	0.0015 U	0.001 U	0.180	0.001 U	0.00950	0.0002 U	0.0015 U	0.480 JB	0.001 U	0.002 U
MW-12	Compliance	09/01/2022	0.0004 U	0.0004 J	0.0862	0.0002 U	0.0002 U	0.0007 U	0.0002 J	0.190	0.0006 U	0.00850	0.00006 U	0.0007 J	1.38	0.0006 U	0.001 U

Notes:
mg/L = milligrams per liter
pCi/L = picoCuries per liter
U = The analyte was analyzed for, but was not detected above the level of the adjusted detection limit or quantitation limit, as appropriate. Lab reports may or may not report both the limit of detection and the limit of quantitation. Limits are provided in the electronic data deliverable. As such, the U-flagged result value provided in this table may not match the result value provided in the lab report.
J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
B = The analyte was found in sample and in associated method blank.
JB = The result is an estimated quantity, and the analyte was found in both the sample and in the associated method blank.

TABLE 4
STATISTICAL BACKGROUND VALUES
2022 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
KINCAID POWER PLANT
141 - 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

TABLE 5
GROUNDWATER PROTECTION STANDARDS
2022 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
KINCAID POWER PLANT
141 - 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	2	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

TABLE 6
DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS
2022 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
KINCAID POWER PLANT
141 - ASH POND
KINCAID, IL

Sample Location	Constituent	Result Unit	Event	Date Range	Sample Count	Percent Non-Detects	Statistical Calculation	Statistical Result	GWPS	GWPS Source
MW-5	Antimony, total	mg/L	A4D	12/15/2015 - 09/01/2021	14	100	All ND - Last	0.001	0.006	MCL/HBL
MW-5	Antimony, total	mg/L	A5	12/15/2015 - 02/22/2022	15	100	All ND - Last	0.001	0.006	MCL/HBL
MW-5	Antimony, total	mg/L	A5D	12/15/2015 - 09/01/2022	16	100	All ND - Last	0.0004	0.006	MCL/HBL
MW-5	Arsenic, total	mg/L	A4D	12/15/2015 - 09/01/2021	16	94	CI around median	0.00100	0.010	MCL/HBL
MW-5	Arsenic, total	mg/L	A5	12/15/2015 - 02/22/2022	17	94	CI around median	0.00100	0.010	MCL/HBL
MW-5	Arsenic, total	mg/L	A5D	12/15/2015 - 09/01/2022	18	94	CI around median	0.00100	0.010	MCL/HBL
MW-5	Barium, total	mg/L	A4D	12/15/2015 - 09/01/2021	16	0	CI around mean	0.138	2	MCL/HBL
MW-5	Barium, total	mg/L	A5	12/15/2015 - 02/22/2022	17	0	CI around mean	0.139	2	MCL/HBL
MW-5	Barium, total	mg/L	A5D	12/15/2015 - 09/01/2022	18	0	CI around mean	0.139	2	MCL/HBL
MW-5	Beryllium, total	mg/L	A4D	12/15/2015 - 09/01/2021	14	100	All ND - Last	0.001	0.004	MCL/HBL
MW-5	Beryllium, total	mg/L	A5	12/15/2015 - 02/22/2022	15	100	All ND - Last	0.001	0.004	MCL/HBL
MW-5	Beryllium, total	mg/L	A5D	12/15/2015 - 09/01/2022	16	100	All ND - Last	0.0002	0.004	MCL/HBL
MW-5	Cadmium, total	mg/L	A4D	12/15/2015 - 09/01/2021	13	100	All ND - Last	0.001	0.005	MCL/HBL
MW-5	Cadmium, total	mg/L	A5	12/15/2015 - 02/22/2022	14	100	All ND - Last	0.001	0.005	MCL/HBL
MW-5	Cadmium, total	mg/L	A5D	12/15/2015 - 09/01/2022	15	100	All ND - Last	0.0002	0.005	MCL/HBL
MW-5	Chromium, total	mg/L	A4D	12/15/2015 - 09/01/2021	16	100	All ND - Last	0.0015	0.1	MCL/HBL
MW-5	Chromium, total	mg/L	A5	12/15/2015 - 02/22/2022	17	100	All ND - Last	0.0015	0.1	MCL/HBL
MW-5	Chromium, total	mg/L	A5D	12/15/2015 - 09/01/2022	18	100	All ND - Last	0.0007	0.1	MCL/HBL
MW-5	Cobalt, total	mg/L	A4D	12/15/2015 - 09/01/2021	16	88	CI around median	0.00100	0.006	MCL/HBL
MW-5	Cobalt, total	mg/L	A5	12/15/2015 - 02/22/2022	17	88	CI around median	0.00100	0.006	MCL/HBL
MW-5	Cobalt, total	mg/L	A5D	12/15/2015 - 09/01/2022	18	89	CI around median	0.00100	0.006	MCL/HBL
MW-5	Fluoride, total	mg/L	A4D	12/15/2015 - 09/01/2021	17	6	CI around median	0.150	4.0	MCL/HBL
MW-5	Fluoride, total	mg/L	A5	12/15/2015 - 02/22/2022	18	6	CI around median	0.150	4.0	MCL/HBL
MW-5	Fluoride, total	mg/L	A5D	12/15/2015 - 09/01/2022	19	5	CI around median	0.150	4.0	MCL/HBL
MW-5	Lead, total	mg/L	A4D	12/15/2015 - 09/01/2021	16	94	CI around median	0.00100	0.015	MCL/HBL
MW-5	Lead, total	mg/L	A5	12/15/2015 - 02/22/2022	17	94	CI around median	0.00100	0.015	MCL/HBL
MW-5	Lead, total	mg/L	A5D	12/15/2015 - 09/01/2022	18	94	CI around median	0.00100	0.015	MCL/HBL
MW-5	Lithium, total	mg/L	A4D	12/15/2015 - 09/01/2021	16	25	CI around mean	0.00286	0.04	MCL/HBL
MW-5	Lithium, total	mg/L	A5	12/15/2015 - 02/22/2022	17	24	CB around linear reg	0.00289	0.04	MCL/HBL
MW-5	Lithium, total	mg/L	A5D	12/15/2015 - 09/01/2022	18	28	CB around linear reg	0.00270	0.04	MCL/HBL

TABLE 6
DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS
2022 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
KINCAID POWER PLANT
141 - ASH POND
KINCAID, IL

Sample Location	Constituent	Result Unit	Event	Date Range	Sample Count	Percent Non-Detects	Statistical Calculation	Statistical Result	GWPS	GWPS Source
MW-5	Mercury, total	mg/L	A4D	12/15/2015 - 09/01/2021	13	100	All ND - Last	0.0002	0.002	MCL/HBL
MW-5	Mercury, total	mg/L	A5	12/15/2015 - 02/22/2022	14	100	All ND - Last	0.0002	0.002	MCL/HBL
MW-5	Mercury, total	mg/L	A5D	12/15/2015 - 09/01/2022	15	100	All ND - Last	0.00006	0.002	MCL/HBL
MW-5	Molybdenum, total	mg/L	A4D	12/15/2015 - 09/01/2021	16	100	All ND - Last	0.0015	0.1	MCL/HBL
MW-5	Molybdenum, total	mg/L	A5	12/15/2015 - 02/22/2022	17	100	All ND - Last	0.0015	0.1	MCL/HBL
MW-5	Molybdenum, total	mg/L	A5D	12/15/2015 - 09/01/2022	18	100	All ND - Last	0.0009	0.1	MCL/HBL
MW-5	Radium 226 + Radium 228, total	pCi/L	A4D	12/15/2015 - 09/01/2021	16	0	CI around mean	0.377	5	MCL/HBL
MW-5	Radium 226 + Radium 228, total	pCi/L	A5	12/15/2015 - 02/22/2022	17	0	CI around mean	0.414	5	MCL/HBL
MW-5	Radium 226 + Radium 228, total	pCi/L	A5D	12/15/2015 - 09/01/2022	18	0	CI around mean	0.401	5	MCL/HBL
MW-5	Selenium, total	mg/L	A4D	12/15/2015 - 09/01/2021	16	100	All ND - Last	0.001	0.05	MCL/HBL
MW-5	Selenium, total	mg/L	A5	12/15/2015 - 02/22/2022	17	100	All ND - Last	0.001	0.05	MCL/HBL
MW-5	Selenium, total	mg/L	A5D	12/15/2015 - 09/01/2022	18	100	All ND - Last	0.0006	0.05	MCL/HBL
MW-5	Thallium, total	mg/L	A4D	12/15/2015 - 09/01/2021	13	100	All ND - Last	0.002	0.002	MCL/HBL
MW-5	Thallium, total	mg/L	A5	12/15/2015 - 02/22/2022	14	100	All ND - Last	0.002	0.002	MCL/HBL
MW-5	Thallium, total	mg/L	A5D	12/15/2015 - 09/01/2022	15	100	All ND - Last	0.001	0.002	MCL/HBL
MW-6	Antimony, total	mg/L	A4D	12/15/2015 - 09/01/2021	14	100	All ND - Last	0.001	0.006	MCL/HBL
MW-6	Antimony, total	mg/L	A5	12/15/2015 - 02/23/2022	15	100	All ND - Last	0.001	0.006	MCL/HBL
MW-6	Antimony, total	mg/L	A5D	12/15/2015 - 09/01/2022	16	100	All ND - Last	0.0004	0.006	MCL/HBL
MW-6	Arsenic, total	mg/L	A4D	12/15/2015 - 09/01/2021	16	100	All ND - Last	0.001	0.010	MCL/HBL
MW-6	Arsenic, total	mg/L	A5	12/15/2015 - 02/23/2022	17	100	All ND - Last	0.001	0.010	MCL/HBL
MW-6	Arsenic, total	mg/L	A5D	12/15/2015 - 09/01/2022	18	100	All ND - Last	0.0004	0.010	MCL/HBL
MW-6	Barium, total	mg/L	A4D	12/15/2015 - 09/01/2021	16	0	CI around mean	0.0300	2	MCL/HBL
MW-6	Barium, total	mg/L	A5	12/15/2015 - 02/23/2022	17	0	CI around mean	0.0306	2	MCL/HBL
MW-6	Barium, total	mg/L	A5D	12/15/2015 - 09/01/2022	18	0	CI around mean	0.0313	2	MCL/HBL
MW-6	Beryllium, total	mg/L	A4D	12/15/2015 - 09/01/2021	14	100	All ND - Last	0.001	0.004	MCL/HBL
MW-6	Beryllium, total	mg/L	A5	12/15/2015 - 02/23/2022	15	100	All ND - Last	0.001	0.004	MCL/HBL
MW-6	Beryllium, total	mg/L	A5D	12/15/2015 - 09/01/2022	16	100	All ND - Last	0.0002	0.004	MCL/HBL
MW-6	Cadmium, total	mg/L	A4D	12/15/2015 - 09/01/2021	13	100	All ND - Last	0.001	0.005	MCL/HBL
MW-6	Cadmium, total	mg/L	A5	12/15/2015 - 02/23/2022	14	100	All ND - Last	0.001	0.005	MCL/HBL

TABLE 6
DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS
2022 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
KINCAID POWER PLANT
141 - ASH POND
KINCAID, IL

Sample Location	Constituent	Result Unit	Event	Date Range	Sample Count	Percent Non-Detects	Statistical Calculation	Statistical Result	GWPS	GWPS Source
MW-6	Cadmium, total	mg/L	A5D	12/15/2015 - 09/01/2022	15	100	All ND - Last	0.0002	0.005	MCL/HBL
MW-6	Chromium, total	mg/L	A4D	12/15/2015 - 09/01/2021	16	94	CB around linear reg	0.00144	0.1	MCL/HBL
MW-6	Chromium, total	mg/L	A5	12/15/2015 - 02/23/2022	17	88	CB around linear reg	0.00156	0.1	MCL/HBL
MW-6	Chromium, total	mg/L	A5D	12/15/2015 - 09/01/2022	18	89	CB around T-S line	0.00100	0.1	MCL/HBL
MW-6	Cobalt, total	mg/L	A4D	12/15/2015 - 09/01/2021	16	100	All ND - Last	0.001	0.006	MCL/HBL
MW-6	Cobalt, total	mg/L	A5	12/15/2015 - 02/23/2022	17	100	All ND - Last	0.001	0.006	MCL/HBL
MW-6	Cobalt, total	mg/L	A5D	12/15/2015 - 09/01/2022	18	100	All ND - Last	0.0001	0.006	MCL/HBL
MW-6	Fluoride, total	mg/L	A4D	12/15/2015 - 09/01/2021	17	0	CI around mean	0.176	4.0	MCL/HBL
MW-6	Fluoride, total	mg/L	A5	12/15/2015 - 02/23/2022	18	0	CI around mean	0.177	4.0	MCL/HBL
MW-6	Fluoride, total	mg/L	A5D	12/15/2015 - 09/01/2022	19	0	CI around mean	0.179	4.0	MCL/HBL
MW-6	Lead, total	mg/L	A4D	12/15/2015 - 09/01/2021	16	100	All ND - Last	0.001	0.015	MCL/HBL
MW-6	Lead, total	mg/L	A5	12/15/2015 - 02/23/2022	17	100	All ND - Last	0.001	0.015	MCL/HBL
MW-6	Lead, total	mg/L	A5D	12/15/2015 - 09/01/2022	18	100	All ND - Last	0.0006	0.015	MCL/HBL
MW-6	Lithium, total	mg/L	A4D	12/15/2015 - 09/01/2021	16	81	CB around linear reg	0.00259	0.04	MCL/HBL
MW-6	Lithium, total	mg/L	A5	12/15/2015 - 02/23/2022	17	82	CB around linear reg	0.00273	0.04	MCL/HBL
MW-6	Lithium, total	mg/L	A5D	12/15/2015 - 09/01/2022	18	83	CB around T-S line	0.00114	0.04	MCL/HBL
MW-6	Mercury, total	mg/L	A4D	12/15/2015 - 09/01/2021	13	100	All ND - Last	0.0002	0.002	MCL/HBL
MW-6	Mercury, total	mg/L	A5	12/15/2015 - 02/23/2022	14	100	All ND - Last	0.0002	0.002	MCL/HBL
MW-6	Mercury, total	mg/L	A5D	12/15/2015 - 09/01/2022	15	100	All ND - Last	0.00006	0.002	MCL/HBL
MW-6	Molybdenum, total	mg/L	A4D	12/15/2015 - 09/01/2021	16	100	All ND - Last	0.0015	0.1	MCL/HBL
MW-6	Molybdenum, total	mg/L	A5	12/15/2015 - 02/23/2022	17	100	All ND - Last	0.0015	0.1	MCL/HBL
MW-6	Molybdenum, total	mg/L	A5D	12/15/2015 - 09/01/2022	18	100	All ND - Last	0.0006	0.1	MCL/HBL
MW-6	Radium 226 + Radium 228, total	pCi/L	A4D	12/15/2015 - 09/01/2021	16	0	CI around geomean	0.195	5	MCL/HBL
MW-6	Radium 226 + Radium 228, total	pCi/L	A5	12/15/2015 - 02/23/2022	17	0	CI around mean	0.404	5	MCL/HBL
MW-6	Radium 226 + Radium 228, total	pCi/L	A5D	12/15/2015 - 09/01/2022	18	0	CI around mean	0.411	5	MCL/HBL
MW-6	Selenium, total	mg/L	A4D	12/15/2015 - 09/01/2021	16	94	Most recent sample	0.001	0.05	MCL/HBL
MW-6	Selenium, total	mg/L	A5	12/15/2015 - 02/23/2022	17	94	Most recent sample	0.001	0.05	MCL/HBL
MW-6	Selenium, total	mg/L	A5D	12/15/2015 - 09/01/2022	18	94	Most recent sample	0.0006	0.05	MCL/HBL
MW-6	Thallium, total	mg/L	A4D	12/15/2015 - 09/01/2021	13	100	All ND - Last	0.002	0.002	MCL/HBL

TABLE 6
DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS
2022 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
KINCAID POWER PLANT
141 - ASH POND
KINCAID, IL

Sample Location	Constituent	Result Unit	Event	Date Range	Sample Count	Percent Non-Detects	Statistical Calculation	Statistical Result	GWPS	GWPS Source
MW-6	Thallium, total	mg/L	A5	12/15/2015 - 02/23/2022	14	100	All ND - Last	0.002	0.002	MCL/HBL
MW-6	Thallium, total	mg/L	A5D	12/15/2015 - 09/01/2022	15	100	All ND - Last	0.001	0.002	MCL/HBL
MW-7	Antimony, total	mg/L	A4D	12/15/2015 - 09/01/2021	14	100	All ND - Last	0.001	0.006	MCL/HBL
MW-7	Antimony, total	mg/L	A5	12/15/2015 - 02/23/2022	15	100	All ND - Last	0.001	0.006	MCL/HBL
MW-7	Antimony, total	mg/L	A5D	12/15/2015 - 09/01/2022	16	100	All ND - Last	0.0004	0.006	MCL/HBL
MW-7	Arsenic, total	mg/L	A4D	12/15/2015 - 09/01/2021	16	69	CI around median	0.00100	0.010	MCL/HBL
MW-7	Arsenic, total	mg/L	A5	12/15/2015 - 02/23/2022	17	71	CI around median	0.00100	0.010	MCL/HBL
MW-7	Arsenic, total	mg/L	A5D	12/15/2015 - 09/01/2022	18	72	CI around median	0.00100	0.010	MCL/HBL
MW-7	Barium, total	mg/L	A4D	12/15/2015 - 09/01/2021	16	0	CI around mean	0.0479	2	MCL/HBL
MW-7	Barium, total	mg/L	A5	12/15/2015 - 02/23/2022	17	0	CI around mean	0.0489	2	MCL/HBL
MW-7	Barium, total	mg/L	A5D	12/15/2015 - 09/01/2022	18	0	CI around mean	0.0488	2	MCL/HBL
MW-7	Beryllium, total	mg/L	A4D	12/15/2015 - 09/01/2021	14	100	All ND - Last	0.001	0.004	MCL/HBL
MW-7	Beryllium, total	mg/L	A5	12/15/2015 - 02/23/2022	15	100	All ND - Last	0.001	0.004	MCL/HBL
MW-7	Beryllium, total	mg/L	A5D	12/15/2015 - 09/01/2022	16	100	All ND - Last	0.0002	0.004	MCL/HBL
MW-7	Cadmium, total	mg/L	A4D	12/15/2015 - 09/01/2021	13	100	All ND - Last	0.001	0.005	MCL/HBL
MW-7	Cadmium, total	mg/L	A5	12/15/2015 - 02/23/2022	14	100	All ND - Last	0.001	0.005	MCL/HBL
MW-7	Cadmium, total	mg/L	A5D	12/15/2015 - 09/01/2022	15	100	All ND - Last	0.0002	0.005	MCL/HBL
MW-7	Chromium, total	mg/L	A4D	12/15/2015 - 09/01/2021	16	88	CI around median	0.00100	0.1	MCL/HBL
MW-7	Chromium, total	mg/L	A5	12/15/2015 - 02/23/2022	17	88	CI around median	0.00100	0.1	MCL/HBL
MW-7	Chromium, total	mg/L	A5D	12/15/2015 - 09/01/2022	18	89	CI around median	0.00100	0.1	MCL/HBL
MW-7	Cobalt, total	mg/L	A4D	12/15/2015 - 09/01/2021	16	88	CI around median	0.00100	0.006	MCL/HBL
MW-7	Cobalt, total	mg/L	A5	12/15/2015 - 02/23/2022	17	82	CI around median	0.00100	0.006	MCL/HBL
MW-7	Cobalt, total	mg/L	A5D	12/15/2015 - 09/01/2022	18	83	CI around median	0.00100	0.006	MCL/HBL
MW-7	Fluoride, total	mg/L	A4D	12/15/2015 - 09/01/2021	17	0	CI around mean	0.241	4.0	MCL/HBL
MW-7	Fluoride, total	mg/L	A5	12/15/2015 - 02/23/2022	18	0	CI around mean	0.240	4.0	MCL/HBL
MW-7	Fluoride, total	mg/L	A5D	12/15/2015 - 09/01/2022	19	0	CI around mean	0.243	4.0	MCL/HBL
MW-7	Lead, total	mg/L	A4D	12/15/2015 - 09/01/2021	16	100	All ND - Last	0.001	0.015	MCL/HBL
MW-7	Lead, total	mg/L	A5	12/15/2015 - 02/23/2022	17	100	All ND - Last	0.001	0.015	MCL/HBL
MW-7	Lead, total	mg/L	A5D	12/15/2015 - 09/01/2022	18	100	All ND - Last	0.0006	0.015	MCL/HBL
MW-7	Lithium, total	mg/L	A4D	12/15/2015 - 09/01/2021	16	19	CI around mean	0.00300	0.04	MCL/HBL

TABLE 6
DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS
2022 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
KINCAID POWER PLANT
141 - ASH POND
KINCAID, IL

Sample Location	Constituent	Result Unit	Event	Date Range	Sample Count	Percent Non-Detects	Statistical Calculation	Statistical Result	GWPS	GWPS Source
MW-7	Lithium, total	mg/L	A5	12/15/2015 - 02/23/2022	17	24	CI around mean	0.00300	0.04	MCL/HBL
MW-7	Lithium, total	mg/L	A5D	12/15/2015 - 09/01/2022	18	22	CI around mean	0.00270	0.04	MCL/HBL
MW-7	Mercury, total	mg/L	A4D	12/15/2015 - 09/01/2021	13	100	All ND - Last	0.0002	0.002	MCL/HBL
MW-7	Mercury, total	mg/L	A5	12/15/2015 - 02/23/2022	14	100	All ND - Last	0.0002	0.002	MCL/HBL
MW-7	Mercury, total	mg/L	A5D	12/15/2015 - 09/01/2022	15	100	All ND - Last	0.00006	0.002	MCL/HBL
MW-7	Molybdenum, total	mg/L	A4D	12/15/2015 - 09/01/2021	16	0	CI around mean	0.00262	0.1	MCL/HBL
MW-7	Molybdenum, total	mg/L	A5	12/15/2015 - 02/23/2022	17	0	CI around mean	0.00265	0.1	MCL/HBL
MW-7	Molybdenum, total	mg/L	A5D	12/15/2015 - 09/01/2022	18	0	CI around mean	0.00260	0.1	MCL/HBL
MW-7	Radium 226 + Radium 228, total	pCi/L	A4D	12/15/2015 - 09/01/2021	16	0	CI around mean	0.524	5	MCL/HBL
MW-7	Radium 226 + Radium 228, total	pCi/L	A5	12/15/2015 - 02/23/2022	17	0	CI around mean	0.586	5	MCL/HBL
MW-7	Radium 226 + Radium 228, total	pCi/L	A5D	12/15/2015 - 09/01/2022	18	0	CI around mean	0.565	5	MCL/HBL
MW-7	Selenium, total	mg/L	A4D	12/15/2015 - 09/01/2021	16	100	All ND - Last	0.001	0.05	MCL/HBL
MW-7	Selenium, total	mg/L	A5	12/15/2015 - 02/23/2022	17	100	All ND - Last	0.001	0.05	MCL/HBL
MW-7	Selenium, total	mg/L	A5D	12/15/2015 - 09/01/2022	18	100	All ND - Last	0.0006	0.05	MCL/HBL
MW-7	Thallium, total	mg/L	A4D	12/15/2015 - 09/01/2021	13	100	All ND - Last	0.002	0.002	MCL/HBL
MW-7	Thallium, total	mg/L	A5	12/15/2015 - 02/23/2022	14	100	All ND - Last	0.002	0.002	MCL/HBL
MW-7	Thallium, total	mg/L	A5D	12/15/2015 - 09/01/2022	15	100	All ND - Last	0.001	0.002	MCL/HBL
MW-8	Antimony, total	mg/L	A4D	12/15/2015 - 09/01/2021	14	100	All ND - Last	0.001	0.006	MCL/HBL
MW-8	Antimony, total	mg/L	A5	12/15/2015 - 02/23/2022	15	100	All ND - Last	0.001	0.006	MCL/HBL
MW-8	Antimony, total	mg/L	A5D	12/15/2015 - 09/01/2022	16	100	All ND - Last	0.0004	0.006	MCL/HBL
MW-8	Arsenic, total	mg/L	A4D	12/15/2015 - 09/01/2021	16	100	All ND - Last	0.001	0.010	MCL/HBL
MW-8	Arsenic, total	mg/L	A5	12/15/2015 - 02/23/2022	17	100	All ND - Last	0.001	0.010	MCL/HBL
MW-8	Arsenic, total	mg/L	A5D	12/15/2015 - 09/01/2022	18	100	All ND - Last	0.0004	0.010	MCL/HBL
MW-8	Barium, total	mg/L	A4D	12/15/2015 - 09/01/2021	16	0	CB around linear reg	0.0211	2	MCL/HBL
MW-8	Barium, total	mg/L	A5	12/15/2015 - 02/23/2022	17	0	CB around linear reg	0.0188	2	MCL/HBL
MW-8	Barium, total	mg/L	A5D	12/15/2015 - 09/01/2022	18	0	CB around linear reg	0.0192	2	MCL/HBL
MW-8	Beryllium, total	mg/L	A4D	12/15/2015 - 09/01/2021	14	100	All ND - Last	0.001	0.004	MCL/HBL
MW-8	Beryllium, total	mg/L	A5	12/15/2015 - 02/23/2022	15	100	All ND - Last	0.001	0.004	MCL/HBL
MW-8	Beryllium, total	mg/L	A5D	12/15/2015 - 09/01/2022	16	100	All ND - Last	0.0002	0.004	MCL/HBL

TABLE 6
DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS
2022 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
KINCAID POWER PLANT
141 - ASH POND
KINCAID, IL

Sample Location	Constituent	Result Unit	Event	Date Range	Sample Count	Percent Non-Detects	Statistical Calculation	Statistical Result	GWPS	GWPS Source
MW-8	Cadmium, total	mg/L	A4D	12/15/2015 - 09/01/2021	13	100	All ND - Last	0.001	0.005	MCL/HBL
MW-8	Cadmium, total	mg/L	A5	12/15/2015 - 02/23/2022	14	100	All ND - Last	0.001	0.005	MCL/HBL
MW-8	Cadmium, total	mg/L	A5D	12/15/2015 - 09/01/2022	15	100	All ND - Last	0.0002	0.005	MCL/HBL
MW-8	Chromium, total	mg/L	A4D	12/15/2015 - 09/01/2021	16	100	All ND - Last	0.0015	0.1	MCL/HBL
MW-8	Chromium, total	mg/L	A5	12/15/2015 - 02/23/2022	17	100	All ND - Last	0.0015	0.1	MCL/HBL
MW-8	Chromium, total	mg/L	A5D	12/15/2015 - 09/01/2022	18	100	All ND - Last	0.0007	0.1	MCL/HBL
MW-8	Cobalt, total	mg/L	A4D	12/15/2015 - 09/01/2021	16	12	CI around mean	0.00109	0.006	MCL/HBL
MW-8	Cobalt, total	mg/L	A5	12/15/2015 - 02/23/2022	17	18	CI around mean	0.00121	0.006	MCL/HBL
MW-8	Cobalt, total	mg/L	A5D	12/15/2015 - 09/01/2022	18	17	CI around mean	0.00104	0.006	MCL/HBL
MW-8	Fluoride, total	mg/L	A4D	12/15/2015 - 09/01/2021	17	0	CB around linear reg	0.210	4.0	MCL/HBL
MW-8	Fluoride, total	mg/L	A5	12/15/2015 - 02/23/2022	18	0	CB around linear reg	0.222	4.0	MCL/HBL
MW-8	Fluoride, total	mg/L	A5D	12/15/2015 - 09/01/2022	19	0	CB around linear reg	0.218	4.0	MCL/HBL
MW-8	Lead, total	mg/L	A4D	12/15/2015 - 09/01/2021	16	100	All ND - Last	0.001	0.015	MCL/HBL
MW-8	Lead, total	mg/L	A5	12/15/2015 - 02/23/2022	17	100	All ND - Last	0.001	0.015	MCL/HBL
MW-8	Lead, total	mg/L	A5D	12/15/2015 - 09/01/2022	18	100	All ND - Last	0.0006	0.015	MCL/HBL
MW-8	Lithium, total	mg/L	A4D	12/15/2015 - 09/01/2021	16	31	CB around linear reg	0.00279	0.04	MCL/HBL
MW-8	Lithium, total	mg/L	A5	12/15/2015 - 02/23/2022	17	35	CB around linear reg	0.00285	0.04	MCL/HBL
MW-8	Lithium, total	mg/L	A5D	12/15/2015 - 09/01/2022	18	39	CB around linear reg	0.00252	0.04	MCL/HBL
MW-8	Mercury, total	mg/L	A4D	12/15/2015 - 09/01/2021	13	100	All ND - Last	0.0002	0.002	MCL/HBL
MW-8	Mercury, total	mg/L	A5	12/15/2015 - 02/23/2022	14	100	All ND - Last	0.0002	0.002	MCL/HBL
MW-8	Mercury, total	mg/L	A5D	12/15/2015 - 09/01/2022	15	100	All ND - Last	0.00006	0.002	MCL/HBL
MW-8	Molybdenum, total	mg/L	A4D	12/15/2015 - 09/01/2021	16	100	All ND - Last	0.0015	0.1	MCL/HBL
MW-8	Molybdenum, total	mg/L	A5	12/15/2015 - 02/23/2022	17	100	All ND - Last	0.0015	0.1	MCL/HBL
MW-8	Molybdenum, total	mg/L	A5D	12/15/2015 - 09/01/2022	18	100	All ND - Last	0.0006	0.1	MCL/HBL
MW-8	Radium 226 + Radium 228, total	pCi/L	A4D	12/15/2015 - 09/01/2021	16	0	CI around median	0.200	5	MCL/HBL
MW-8	Radium 226 + Radium 228, total	pCi/L	A5	12/15/2015 - 02/23/2022	17	0	CI around median	0.200	5	MCL/HBL
MW-8	Radium 226 + Radium 228, total	pCi/L	A5D	12/15/2015 - 09/01/2022	18	0	CI around median	0.200	5	MCL/HBL
MW-8	Selenium, total	mg/L	A4D	12/15/2015 - 09/01/2021	16	100	All ND - Last	0.001	0.05	MCL/HBL
MW-8	Selenium, total	mg/L	A5	12/15/2015 - 02/23/2022	17	100	All ND - Last	0.001	0.05	MCL/HBL

TABLE 6
DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS
2022 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
KINCAID POWER PLANT
141 - ASH POND
KINCAID, IL

Sample Location	Constituent	Result Unit	Event	Date Range	Sample Count	Percent Non-Detects	Statistical Calculation	Statistical Result	GWPS	GWPS Source
MW-8	Selenium, total	mg/L	A5D	12/15/2015 - 09/01/2022	18	100	All ND - Last	0.0006	0.05	MCL/HBL
MW-8	Thallium, total	mg/L	A4D	12/15/2015 - 09/01/2021	13	100	All ND - Last	0.002	0.002	MCL/HBL
MW-8	Thallium, total	mg/L	A5	12/15/2015 - 02/23/2022	14	100	All ND - Last	0.002	0.002	MCL/HBL
MW-8	Thallium, total	mg/L	A5D	12/15/2015 - 09/01/2022	15	100	All ND - Last	0.001	0.002	MCL/HBL
MW-11	Antimony, total	mg/L	A4D	12/15/2015 - 09/01/2021	14	100	All ND - Last	0.001	0.006	MCL/HBL
MW-11	Antimony, total	mg/L	A5	12/15/2015 - 02/22/2022	15	100	All ND - Last	0.001	0.006	MCL/HBL
MW-11	Antimony, total	mg/L	A5D	12/15/2015 - 09/01/2022	16	100	All ND - Last	0.0004	0.006	MCL/HBL
MW-11	Arsenic, total	mg/L	A4D	12/15/2015 - 09/01/2021	16	6	CI around geomean	0.00114	0.010	MCL/HBL
MW-11	Arsenic, total	mg/L	A5	12/15/2015 - 02/22/2022	17	12	CI around geomean	0.00104	0.010	MCL/HBL
MW-11	Arsenic, total	mg/L	A5D	12/15/2015 - 09/01/2022	18	11	CI around geomean	0.00109	0.010	MCL/HBL
MW-11	Barium, total	mg/L	A4D	12/15/2015 - 09/01/2021	16	0	CB around linear reg	0.109	2	MCL/HBL
MW-11	Barium, total	mg/L	A5	12/15/2015 - 02/22/2022	17	0	CB around linear reg	0.111	2	MCL/HBL
MW-11	Barium, total	mg/L	A5D	12/15/2015 - 09/01/2022	18	0	CI around mean	0.129	2	MCL/HBL
MW-11	Beryllium, total	mg/L	A4D	12/15/2015 - 09/01/2021	14	100	All ND - Last	0.001	0.004	MCL/HBL
MW-11	Beryllium, total	mg/L	A5	12/15/2015 - 02/22/2022	15	100	All ND - Last	0.001	0.004	MCL/HBL
MW-11	Beryllium, total	mg/L	A5D	12/15/2015 - 09/01/2022	16	100	All ND - Last	0.0002	0.004	MCL/HBL
MW-11	Cadmium, total	mg/L	A4D	12/15/2015 - 09/01/2021	13	100	All ND - Last	0.001	0.005	MCL/HBL
MW-11	Cadmium, total	mg/L	A5	12/15/2015 - 02/22/2022	14	100	All ND - Last	0.001	0.005	MCL/HBL
MW-11	Cadmium, total	mg/L	A5D	12/15/2015 - 09/01/2022	15	100	All ND - Last	0.0002	0.005	MCL/HBL
MW-11	Chromium, total	mg/L	A4D	12/15/2015 - 09/01/2021	16	94	CB around linear reg	0.00140	0.1	MCL/HBL
MW-11	Chromium, total	mg/L	A5	12/15/2015 - 02/22/2022	17	94	CB around T-S line	0.00100	0.1	MCL/HBL
MW-11	Chromium, total	mg/L	A5D	12/15/2015 - 09/01/2022	18	94	CB around T-S line	0.00100	0.1	MCL/HBL
MW-11	Cobalt, total	mg/L	A4D	12/15/2015 - 09/01/2021	16	94	CI around median	0.00100	0.006	MCL/HBL
MW-11	Cobalt, total	mg/L	A5	12/15/2015 - 02/22/2022	17	94	CI around median	0.00100	0.006	MCL/HBL
MW-11	Cobalt, total	mg/L	A5D	12/15/2015 - 09/01/2022	18	89	CI around median	0.00100	0.006	MCL/HBL
MW-11	Fluoride, total	mg/L	A4D	12/15/2015 - 09/01/2021	17	0	CI around mean	0.477	4.0	MCL/HBL
MW-11	Fluoride, total	mg/L	A5	12/15/2015 - 02/22/2022	18	0	CI around mean	0.478	4.0	MCL/HBL
MW-11	Fluoride, total	mg/L	A5D	12/15/2015 - 09/01/2022	19	0	CI around mean	0.479	4.0	MCL/HBL
MW-11	Lead, total	mg/L	A4D	12/15/2015 - 09/01/2021	16	100	All ND - Last	0.001	0.015	MCL/HBL
MW-11	Lead, total	mg/L	A5	12/15/2015 - 02/22/2022	17	100	All ND - Last	0.001	0.015	MCL/HBL

TABLE 6
DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS
2022 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
KINCAID POWER PLANT
141 - ASH POND
KINCAID, IL

Sample Location	Constituent	Result Unit	Event	Date Range	Sample Count	Percent Non-Detects	Statistical Calculation	Statistical Result	GWPS	GWPS Source
MW-11	Lead, total	mg/L	A5D	12/15/2015 - 09/01/2022	18	100	All ND - Last	0.0006	0.015	MCL/HBL
MW-11	Lithium, total	mg/L	A4D	12/15/2015 - 09/01/2021	16	31	CI around mean	0.00234	0.04	MCL/HBL
MW-11	Lithium, total	mg/L	A5	12/15/2015 - 02/22/2022	17	35	CB around linear reg	0.00259	0.04	MCL/HBL
MW-11	Lithium, total	mg/L	A5D	12/15/2015 - 09/01/2022	18	33	CB around linear reg	0.00272	0.04	MCL/HBL
MW-11	Mercury, total	mg/L	A4D	12/15/2015 - 09/01/2021	13	100	All ND - Last	0.0002	0.002	MCL/HBL
MW-11	Mercury, total	mg/L	A5	12/15/2015 - 02/22/2022	14	100	All ND - Last	0.0002	0.002	MCL/HBL
MW-11	Mercury, total	mg/L	A5D	12/15/2015 - 09/01/2022	15	100	All ND - Last	0.00006	0.002	MCL/HBL
MW-11	Molybdenum, total	mg/L	A4D	12/15/2015 - 09/01/2021	16	0	CI around geomean	0.00217	0.1	MCL/HBL
MW-11	Molybdenum, total	mg/L	A5	12/15/2015 - 02/22/2022	17	0	CI around geomean	0.00218	0.1	MCL/HBL
MW-11	Molybdenum, total	mg/L	A5D	12/15/2015 - 09/01/2022	18	0	CI around geomean	0.00217	0.1	MCL/HBL
MW-11	Radium 226 + Radium 228, total	pCi/L	A4D	12/15/2015 - 09/01/2021	16	0	CI around mean	0.620	5	MCL/HBL
MW-11	Radium 226 + Radium 228, total	pCi/L	A5	12/15/2015 - 02/22/2022	17	0	CI around mean	0.632	5	MCL/HBL
MW-11	Radium 226 + Radium 228, total	pCi/L	A5D	12/15/2015 - 09/01/2022	18	0	CI around mean	0.616	5	MCL/HBL
MW-11	Selenium, total	mg/L	A4D	12/15/2015 - 09/01/2021	16	56	CI around median	0.00100	0.05	MCL/HBL
MW-11	Selenium, total	mg/L	A5	12/15/2015 - 02/22/2022	17	59	CI around median	0.00100	0.05	MCL/HBL
MW-11	Selenium, total	mg/L	A5D	12/15/2015 - 09/01/2022	18	61	CI around median	0.00100	0.05	MCL/HBL
MW-11	Thallium, total	mg/L	A4D	12/15/2015 - 09/01/2021	13	100	All ND - Last	0.002	0.002	MCL/HBL
MW-11	Thallium, total	mg/L	A5	12/15/2015 - 02/22/2022	14	100	All ND - Last	0.002	0.002	MCL/HBL
MW-11	Thallium, total	mg/L	A5D	12/15/2015 - 09/01/2022	15	100	All ND - Last	0.001	0.002	MCL/HBL
MW-12	Antimony, total	mg/L	A4D	12/15/2015 - 09/01/2021	14	100	All ND - Last	0.001	0.006	MCL/HBL
MW-12	Antimony, total	mg/L	A5	12/15/2015 - 02/23/2022	15	100	All ND - Last	0.001	0.006	MCL/HBL
MW-12	Antimony, total	mg/L	A5D	12/15/2015 - 09/01/2022	16	100	All ND - Last	0.0004	0.006	MCL/HBL
MW-12	Arsenic, total	mg/L	A4D	12/15/2015 - 09/01/2021	16	94	CI around median	0.00100	0.010	MCL/HBL
MW-12	Arsenic, total	mg/L	A5	12/15/2015 - 02/23/2022	17	94	CI around median	0.00100	0.010	MCL/HBL
MW-12	Arsenic, total	mg/L	A5D	12/15/2015 - 09/01/2022	18	94	CI around median	0.00100	0.010	MCL/HBL
MW-12	Barium, total	mg/L	A4D	12/15/2015 - 09/01/2021	16	0	CB around linear reg	0.0402	2	MCL/HBL
MW-12	Barium, total	mg/L	A5	12/15/2015 - 02/23/2022	17	0	CB around linear reg	0.0414	2	MCL/HBL
MW-12	Barium, total	mg/L	A5D	12/15/2015 - 09/01/2022	18	0	CB around linear reg	0.0433	2	MCL/HBL
MW-12	Beryllium, total	mg/L	A4D	12/15/2015 - 09/01/2021	14	100	All ND - Last	0.001	0.004	MCL/HBL

TABLE 6
DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS
2022 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
KINCAID POWER PLANT
141 - ASH POND
KINCAID, IL

Sample Location	Constituent	Result Unit	Event	Date Range	Sample Count	Percent Non-Detects	Statistical Calculation	Statistical Result	GWPS	GWPS Source
MW-12	Beryllium, total	mg/L	A5	12/15/2015 - 02/23/2022	15	100	All ND - Last	0.001	0.004	MCL/HBL
MW-12	Beryllium, total	mg/L	A5D	12/15/2015 - 09/01/2022	16	100	All ND - Last	0.0002	0.004	MCL/HBL
MW-12	Cadmium, total	mg/L	A4D	12/15/2015 - 09/01/2021	13	100	All ND - Last	0.001	0.005	MCL/HBL
MW-12	Cadmium, total	mg/L	A5	12/15/2015 - 02/23/2022	14	100	All ND - Last	0.001	0.005	MCL/HBL
MW-12	Cadmium, total	mg/L	A5D	12/15/2015 - 09/01/2022	15	100	All ND - Last	0.0002	0.005	MCL/HBL
MW-12	Chromium, total	mg/L	A4D	12/15/2015 - 09/01/2021	16	100	All ND - Last	0.0015	0.1	MCL/HBL
MW-12	Chromium, total	mg/L	A5	12/15/2015 - 02/23/2022	17	100	All ND - Last	0.0015	0.1	MCL/HBL
MW-12	Chromium, total	mg/L	A5D	12/15/2015 - 09/01/2022	18	100	All ND - Last	0.0007	0.1	MCL/HBL
MW-12	Cobalt, total	mg/L	A4D	12/15/2015 - 09/01/2021	16	100	All ND - Last	0.001	0.006	MCL/HBL
MW-12	Cobalt, total	mg/L	A5	12/15/2015 - 02/23/2022	17	100	All ND - Last	0.001	0.006	MCL/HBL
MW-12	Cobalt, total	mg/L	A5D	12/15/2015 - 09/01/2022	18	100	All ND - Last	0.0002	0.006	MCL/HBL
MW-12	Fluoride, total	mg/L	A4D	12/15/2015 - 09/01/2021	17	0	CI around median	0.180	4.0	MCL/HBL
MW-12	Fluoride, total	mg/L	A5	12/15/2015 - 02/23/2022	18	0	CI around median	0.180	4.0	MCL/HBL
MW-12	Fluoride, total	mg/L	A5D	12/15/2015 - 09/01/2022	19	0	CI around median	0.180	4.0	MCL/HBL
MW-12	Lead, total	mg/L	A4D	12/15/2015 - 09/01/2021	16	100	All ND - Last	0.001	0.015	MCL/HBL
MW-12	Lead, total	mg/L	A5	12/15/2015 - 02/23/2022	17	100	All ND - Last	0.001	0.015	MCL/HBL
MW-12	Lead, total	mg/L	A5D	12/15/2015 - 09/01/2022	18	100	All ND - Last	0.0006	0.015	MCL/HBL
MW-12	Lithium, total	mg/L	A4D	12/15/2015 - 09/01/2021	16	0	CI around mean	0.00819	0.04	MCL/HBL
MW-12	Lithium, total	mg/L	A5	12/15/2015 - 02/23/2022	17	0	CI around mean	0.00827	0.04	MCL/HBL
MW-12	Lithium, total	mg/L	A5D	12/15/2015 - 09/01/2022	18	0	CI around mean	0.00829	0.04	MCL/HBL
MW-12	Mercury, total	mg/L	A4D	12/15/2015 - 09/01/2021	13	100	All ND - Last	0.0002	0.002	MCL/HBL
MW-12	Mercury, total	mg/L	A5	12/15/2015 - 02/23/2022	14	100	All ND - Last	0.0002	0.002	MCL/HBL
MW-12	Mercury, total	mg/L	A5D	12/15/2015 - 09/01/2022	15	100	All ND - Last	0.00006	0.002	MCL/HBL
MW-12	Molybdenum, total	mg/L	A4D	12/15/2015 - 09/01/2021	16	88	CB around linear reg	0.00139	0.1	MCL/HBL
MW-12	Molybdenum, total	mg/L	A5	12/15/2015 - 02/23/2022	17	88	CB around linear reg	0.00141	0.1	MCL/HBL
MW-12	Molybdenum, total	mg/L	A5D	12/15/2015 - 09/01/2022	18	89	CB around T-S line	0.00100	0.1	MCL/HBL
MW-12	Radium 226 + Radium 228, total	pCi/L	A4D	12/15/2015 - 09/01/2021	16	0	CI around mean	0.442	5	MCL/HBL
MW-12	Radium 226 + Radium 228, total	pCi/L	A5	12/15/2015 - 02/23/2022	17	0	CI around median	0.400	5	MCL/HBL
MW-12	Radium 226 + Radium 228, total	pCi/L	A5D	12/15/2015 - 09/01/2022	18	0	CI around median	0.429	5	MCL/HBL

TABLE 6
DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS
2022 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
KINCAID POWER PLANT
141 - ASH POND
KINCAID, IL

Sample Location	Constituent	Result Unit	Event	Date Range	Sample Count	Percent Non-Detects	Statistical Calculation	Statistical Result	GWPS	GWPS Source
MW-12	Selenium, total	mg/L	A4D	12/15/2015 - 09/01/2021	16	94	CI around median	0.00100	0.05	MCL/HBL
MW-12	Selenium, total	mg/L	A5	12/15/2015 - 02/23/2022	17	94	CI around median	0.00100	0.05	MCL/HBL
MW-12	Selenium, total	mg/L	A5D	12/15/2015 - 09/01/2022	18	94	CI around median	0.00100	0.05	MCL/HBL
MW-12	Thallium, total	mg/L	A4D	12/15/2015 - 09/01/2021	13	100	All ND - Last	0.002	0.002	MCL/HBL
MW-12	Thallium, total	mg/L	A5	12/15/2015 - 02/23/2022	14	100	All ND - Last	0.002	0.002	MCL/HBL
MW-12	Thallium, total	mg/L	A5D	12/15/2015 - 09/01/2022	15	100	All ND - Last	0.001	0.002	MCL/HBL

Notes:
mg/L = milligrams per liter
pCi/L = picocuries per liter
Sample Count = number of samples from Sampled Date Range used to calculate the Statistical Result
Statistical Calculation = method used to calculate the statistical result:

- All ND - Last = All results were below the reporting limit, and the last determined reporting limit is shown
- CB around linear reg = Confidence band around linear regression
- CB around T-S line = Confidence band around Thiel-Sen line
- CI around geomean = Confidence interval around the geometric mean
- CI around mean = Confidence interval around the mean
- CI around median = Confidence interval around the median
- Most recent sample = Result for the most recently collected sample used due to insufficient data

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

- MCL/HBL = maximum contaminant level/health-based level
- Background = background concentration

FIGURES

BACKGROUND WELL
COMPLIANCE WELL
40 C.F.R. § 257 REGULATED UNIT (SUBJECT UNIT)
PROPERTY BOUNDARY

0 250 500 Feet

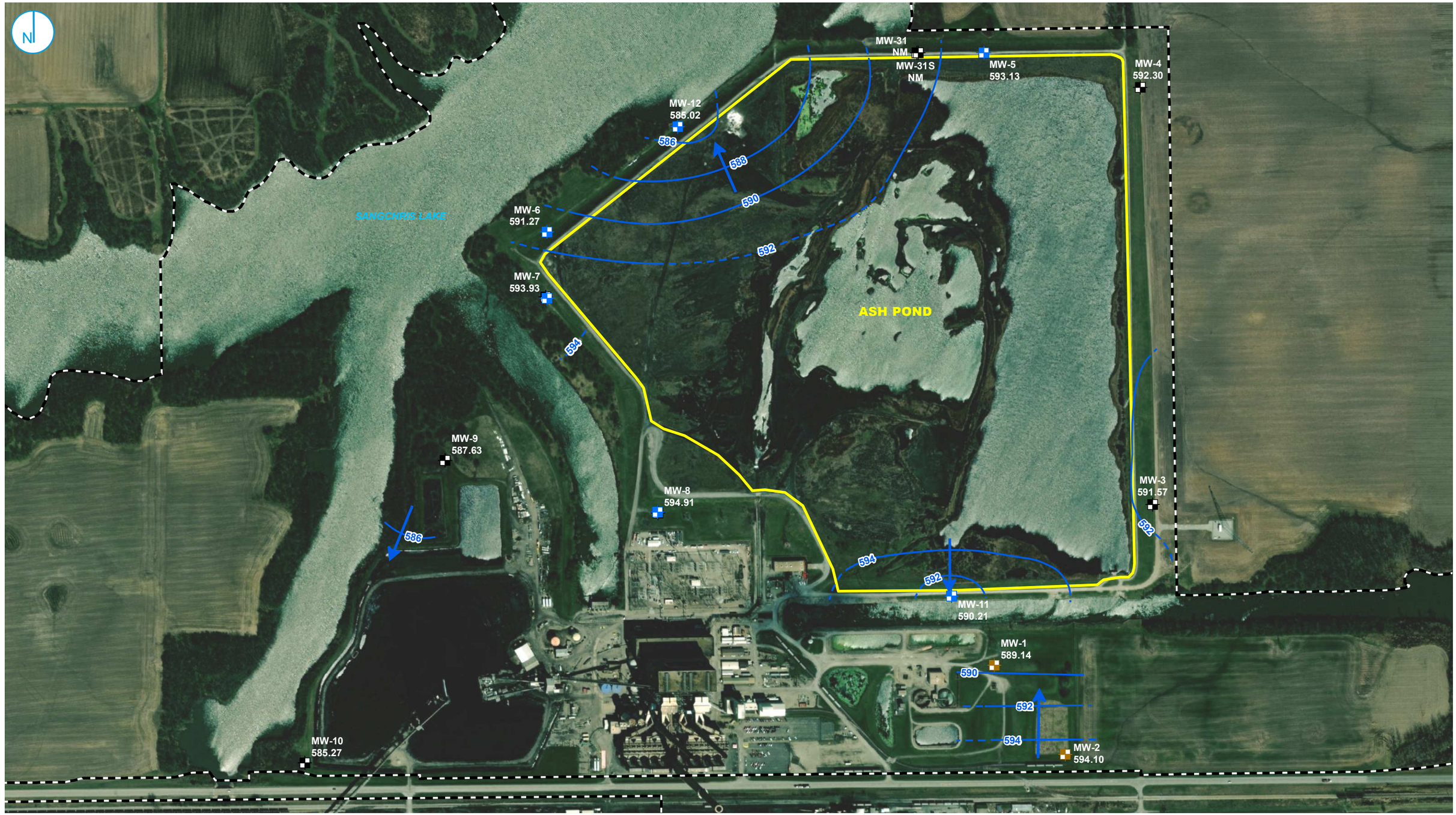
MONITORING WELL LOCATION MAP

2022 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
ASH POND
KINCAID POWER PLANT
KINCAID, ILLINOIS

FIGURE 1

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.

RAMBOLL



PROJECT: 169000XXXX | DATED: 3/16/2022 | DESIGNER: galarmmc

Y:\Mapping\Projects\22\22885\MXD\GW_Contours\Round_2021\Kincaid\KIN GWE Contours D9A4D 20210901.mxd

- BACKGROUND WELL
- COMPLIANCE WELL
- MONITORING WELL
- 40 C.F.R. § 257 REGULATED UNIT (SUBJECT UNIT)
- PROPERTY BOUNDARY

0 250 500 Feet

- GROUNDWATER ELEVATION CONTOUR (2-FT CONTOUR INTERVAL, NAVD88)
- INFERRED GROUNDWATER ELEVATION CONTOUR
- GROUNDWATER FLOW DIRECTION

NOTES
1. PARENTHESES INDICATES WELL NOT USED FOR CONTOURING
2. NM = NOT MEASURED

POTENTIOMETRIC SURFACE MAP SEPTEMBER 1, 2021

2022 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
ASH POND
KINCAID POWER PLANT
KINCAID, ILLINOIS

FIGURE 2

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.

RAMBOLL

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 FEBRUARY 22, 2022 WAS ESTIMATED TO THE NEAREST 0.1 FOOT.

1. PARENTHESES INDICATES WELL NOT USED FOR CONTOURING

- BACKGROUND WELL
- COMPLIANCE WELL
- PORE WATER WELL
- MONITORING WELL
- STAFF GAGE, LAKE

0 250 500 Feet

- 40 C.F.R. § 257 REGULATED UNIT (SUBJECT UNIT)
- PROPERTY BOUNDARY
- GROUNDWATER ELEVATION CONTOUR (2-FT CONTOUR INTERVAL, NAVD88)
- INFERRED GROUNDWATER ELEVATION CONTOUR
- GROUNDWATER FLOW DIRECTION

POTENTIOMETRIC SURFACE MAP
FEBRUARY 22, 2022

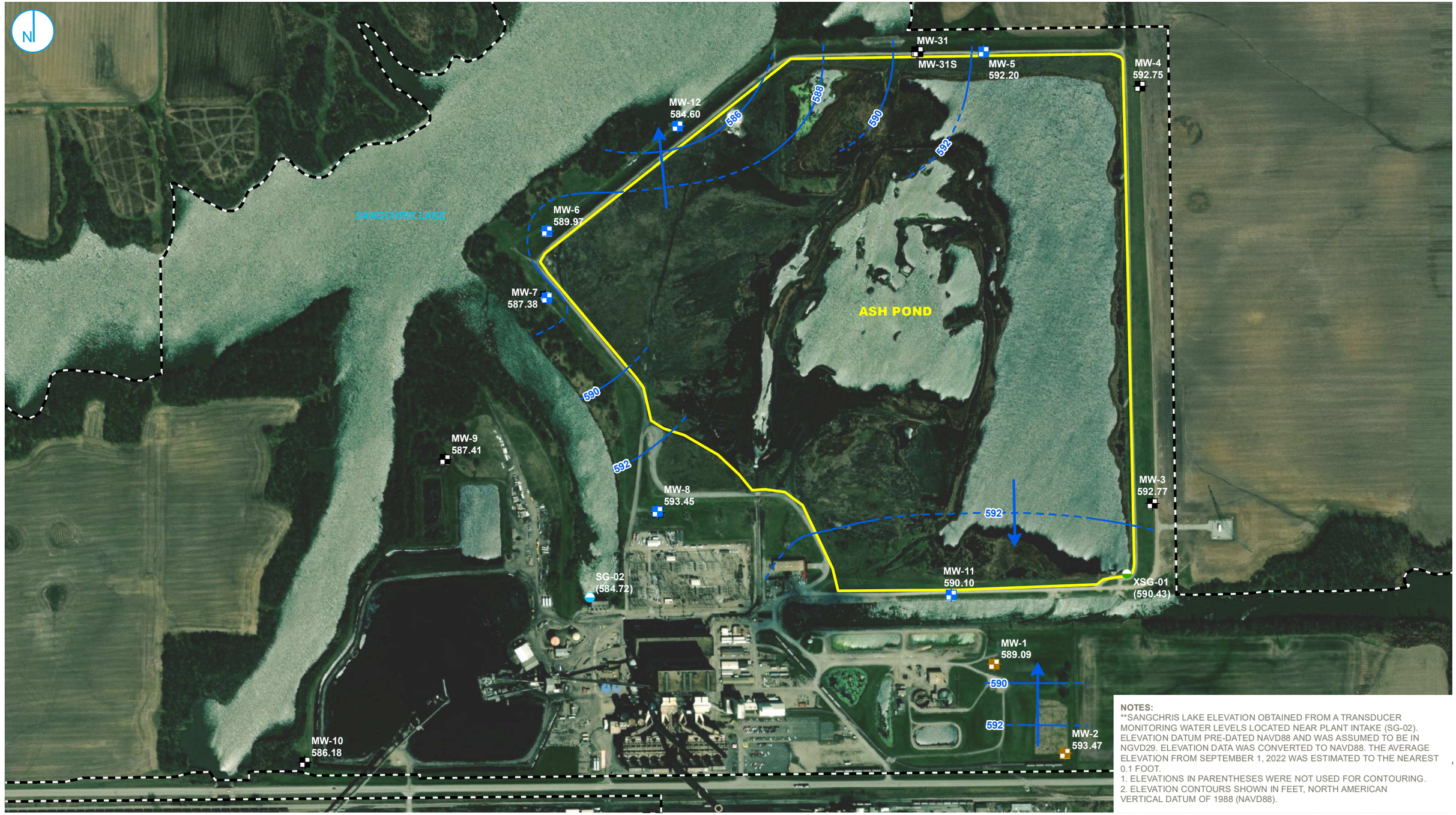
2022 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
ASH POND

KINCAID POWER PLANT
KINCAID, ILLINOIS

FIGURE 3

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.

RAMBOLL



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 1, 2022 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
- MONITORING WELL
- STAFF GAGE, CCR UNIT
- STAFF GAGE, RIVER

- 40 C.F.R. § 257 REGULATED UNIT (SUBJECT UNIT)
- PROPERTY BOUNDARY
- GROUNDWATER ELEVATION CONTOUR (2-FT CONTOUR INTERVAL, NAVD88)
- INFERRED GROUNDWATER ELEVATION CONTOUR
- GROUNDWATER FLOW DIRECTION

0 250 500 Feet

POTENTIOMETRIC SURFACE MAP SEPTEMBER 1, 2022

2022 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
ASH POND
KINCAID POWER PLANT
KINCAID, ILLINOIS

FIGURE 4

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.

RAMBOLL

Y:\Mapping\Projects\22\2285\MXD\GW_Contours\Round_2022\Kincaid\KIN Pot Surface 20220901.mxd
PROJECT: 169000XXXX | DATED: 1/9/2023 | DESIGNER: galarmmc

APPENDICES

APPENDIX A
LABORATORY REPORTS

September 17, 2021

Steve Wiskes
Ramboll
234 W. Florida St.
5th Floor
Milwaukee, WI 53204
TEL: (414) 837-3614
FAX:

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

RE: Kincaid Ash Pond CCR 141 **WorkOrder:** 21080599

Dear Steve Wiskes:

TEKLAB, INC received 15 samples on 9/2/2021 7:50:00 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
Project Manager
(618)344-1004 ex 33
ehurley@teklabinc.com

Report Contents

http://www.teklabinc.com/

Client: Ramboll
Work Order: 21080599
Client Project: Kincaid Ash Pond CCR 141
Report Date: 17-Sep-21

This reporting package includes the following:

Client: Ramboll **Work Order:** 21080599

Client Project: Kincaid Ash Pond CCR 141 **Report Date:** 17-Sep-21

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:** 21080599

Client Project: Kincaid Ash Pond CCR 141 **Report Date:** 17-Sep-21

Qualifiers

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

Case Narrative

http://www.teklabinc.com/

Client: Ramboll
Work Order: 21080599
Client Project: Kincaid Ash Pond CCR 141
Report Date: 17-Sep-21

Cooler Receipt Temp: 2.8 °C

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

Locations

Collinsville

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

Springfield

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

Kansas City

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

Collinsville Air

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

Chicago

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

Client: Ramboll **Work Order:** 21080599

Client Project: Kincaid Ash Pond CCR 141 **Report Date:** 17-Sep-21

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2022	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2022	Collinsville
Louisiana	LDEQ	05002	NELAP	6/30/2022	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2022	Collinsville
Oklahoma	ODEQ	9978	NELAP	8/31/2022	Collinsville
Arkansas	ADEQ	88-0966		3/14/2022	Collinsville
Illinois	IDPH	17584		5/31/2021	Collinsville
Kentucky	UST	0073		1/31/2022	Collinsville
Missouri	MDNR	00930		5/31/2021	Collinsville
Missouri	MDNR	930		1/31/2022	Collinsville

Client: Ramboll **Work Order:** 21080599

Client Project: Kincaid Ash Pond CCR 141 **Report Date:** 17-Sep-21

Lab ID: 21080599-001 **Client Sample ID:** 141MW-5

Matrix: GROUNDWATER **Collection Date:** 09/01/2021 11:59

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Depth to water from measuring point	*	0		**26.31**	ft	1	09/01/2021 11:59	R298998
STANDARD METHOD 4500-H B 2001 FIELD								
pH	*	1.00		**6.60**		1	09/01/2021 11:59	R298998
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**9.3**	NTU	1	09/01/2021 11:59	R298998
STANDARD METHODS 18TH ED. 2580 B FIELD								
Oxidation-Reduction Potential	*	-300		**42**	mV	1	09/01/2021 11:59	R298998
STANDARD METHODS 2510 B FIELD								
Spec. Conductance, Field	*	0		**1280**	µS/cm	1	09/01/2021 11:59	R298998
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**18.6**	°C	1	09/01/2021 11:59	R298998
STANDARD METHODS 4500-O G FIELD								
Oxygen, Dissolved	*	0		**2.43**	mg/L	1	09/01/2021 11:59	R298998
STANDARD METHODS 2320 B (TOTAL) 1997, 2011								
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0		**646**	mg/L	1	09/02/2021 11:59	R298488
STANDARD METHODS 2320 B 1997, 2011								
Alkalinity, Carbonate (as CaCO3)	NELAP	0		**0**	mg/L	1	09/02/2021 11:59	R298488
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	20		**652**	mg/L	1	09/07/2021 16:30	R298664
SW-846 9036 (TOTAL)								
Sulfate	NELAP	10	J	**9**	mg/L	1	09/07/2021 18:37	R298662
SW-846 9214 (TOTAL)								
Fluoride	NELAP	0.10		**0.16**	mg/L	1	09/02/2021 13:11	R298485
SW-846 9251 (TOTAL)								
Chloride	NELAP	2		**47**	mg/L	2	09/07/2021 18:48	R298663
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Magnesium	NELAP	0.050		**78.7**	mg/L	1	09/08/2021 19:47	181572
Potassium	NELAP	0.100		**0.749**	mg/L	1	09/08/2021 19:47	181572
Sodium	NELAP	0.050		**25.9**	mg/L	1	09/08/2021 19:47	181572
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	1.0		**< 1.0**	µg/L	5	09/10/2021 7:44	181571
Arsenic	NELAP	1.0		**1.4**	µg/L	5	09/10/2021 7:44	181571
Barium	NELAP	1.0		**144**	µg/L	5	09/10/2021 7:44	181571
Beryllium	NELAP	1.0		**< 1.0**	µg/L	5	09/10/2021 7:44	181571
Boron	NELAP	25.0		**625**	µg/L	5	09/10/2021 17:11	181571
Cadmium	NELAP	1.0		**< 1.0**	µg/L	5	09/10/2021 7:44	181571
Calcium	NELAP	125		**143000**	µg/L	5	09/10/2021 17:11	181571
Chromium	NELAP	1.5	J	**1.1**	µg/L	5	09/10/2021 7:44	181571
Cobalt	NELAP	1.0	J	**0.7**	µg/L	5	09/10/2021 6:19	181571
Lead	NELAP	1.0		**< 1.0**	µg/L	5	09/10/2021 7:44	181571
Lithium	*	3.0		**3.1**	µg/L	5	09/10/2021 7:44	181571
Molybdenum	NELAP	1.5	J	**0.9**	µg/L	5	09/10/2021 7:44	181571
Selenium	NELAP	1.0		**< 1.0**	µg/L	5	09/10/2021 7:44	181571
Thallium	NELAP	2.0	J	**1.4**	µg/L	5	09/10/2021 6:19	181571

Sample result(s) for B exceed 10 times the CCB. Data is reportable per the TNI Standard.

Client: Ramboll **Work Order:** 21080599

Client Project: Kincaid Ash Pond CCR 141 **Report Date:** 17-Sep-21

Lab ID: 21080599-001 **Client Sample ID:** 141MW-5

Matrix: GROUNDWATER **Collection Date:** 09/01/2021 11:59

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.20		**< 0.20**	µg/L	1	09/08/2021 12:17	181545

Client: Ramboll **Work Order:** 21080599

Client Project: Kincaid Ash Pond CCR 141 **Report Date:** 17-Sep-21

Lab ID: 21080599-002 **Client Sample ID:** 141MW-6

Matrix: GROUNDWATER **Collection Date:** 09/01/2021 10:59

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Depth to water from measuring point	*	0		**9.19**	ft	1	09/01/2021 10:59	R298998
STANDARD METHOD 4500-H B 2001 FIELD								
pH	*	1.00		**6.41**		1	09/01/2021 10:59	R298998
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**7.3**	NTU	1	09/01/2021 10:59	R298998
STANDARD METHODS 18TH ED. 2580 B FIELD								
Oxidation-Reduction Potential	*	-300		**78**	mV	1	09/01/2021 10:59	R298998
STANDARD METHODS 2510 B FIELD								
Spec. Conductance, Field	*	0		**841**	µS/cm	1	09/01/2021 10:59	R298998
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**19.1**	°C	1	09/01/2021 10:59	R298998
STANDARD METHODS 4500-O G FIELD								
Oxygen, Dissolved	*	0		**0.28**	mg/L	1	09/01/2021 10:59	R298998
STANDARD METHODS 2320 B (TOTAL) 1997, 2011								
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0		**284**	mg/L	1	09/02/2021 12:14	R298488
STANDARD METHODS 2320 B 1997, 2011								
Alkalinity, Carbonate (as CaCO3)	NELAP	0		**0**	mg/L	1	09/02/2021 12:14	R298488
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	20		**498**	mg/L	1	09/07/2021 16:30	R298664
SW-846 9036 (TOTAL)								
Sulfate	NELAP	50		**173**	mg/L	5	09/07/2021 19:17	R298662
SW-846 9214 (TOTAL)								
Fluoride	NELAP	0.10		**0.19**	mg/L	1	09/02/2021 13:14	R298485
SW-846 9251 (TOTAL)								
Chloride	NELAP	1		**4**	mg/L	1	09/07/2021 19:12	R298663
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Magnesium	NELAP	0.050		**42.4**	mg/L	1	09/08/2021 19:51	181572
Potassium	NELAP	0.100		**0.374**	mg/L	1	09/08/2021 19:51	181572
Sodium	NELAP	0.050		**24.0**	mg/L	1	09/08/2021 19:51	181572
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	1.0		**< 1.0**	µg/L	5	09/10/2021 7:52	181571
Arsenic	NELAP	1.0		**< 1.0**	µg/L	5	09/10/2021 7:52	181571
Barium	NELAP	1.0		**40.5**	µg/L	5	09/10/2021 7:52	181571
Beryllium	NELAP	1.0		**< 1.0**	µg/L	5	09/10/2021 7:52	181571
Boron	NELAP	25.0		**1280**	µg/L	5	09/10/2021 17:27	181571
Cadmium	NELAP	1.0		**< 1.0**	µg/L	5	09/10/2021 7:52	181571
Calcium	NELAP	125		**93500**	µg/L	5	09/10/2021 17:27	181571
Chromium	NELAP	1.5	J	**1.2**	µg/L	5	09/10/2021 7:52	181571
Cobalt	NELAP	1.0	J	**0.2**	µg/L	5	09/10/2021 6:28	181571
Lead	NELAP	1.0		**< 1.0**	µg/L	5	09/10/2021 7:52	181571
Lithium	*	3.0		**< 3.0**	µg/L	5	09/10/2021 7:52	181571
Molybdenum	NELAP	1.5		**< 1.5**	µg/L	5	09/10/2021 7:52	181571
Selenium	NELAP	1.0		**< 1.0**	µg/L	5	09/10/2021 7:52	181571
Thallium	NELAP	2.0		**< 2.0**	µg/L	5	09/10/2021 6:28	181571

Sample result(s) for B exceed 10 times the CCB. Data is reportable per the TNI Standard.

Client: Ramboll **Work Order:** 21080599

Client Project: Kincaid Ash Pond CCR 141 **Report Date:** 17-Sep-21

Lab ID: 21080599-002 **Client Sample ID:** 141MW-6

Matrix: GROUNDWATER **Collection Date:** 09/01/2021 10:59

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.20		**< 0.20**	µg/L	1	09/08/2021 12:24	181545

Client: Ramboll **Work Order:** 21080599

Client Project: Kincaid Ash Pond CCR 141 **Report Date:** 17-Sep-21

Lab ID: 21080599-003 **Client Sample ID:** 141MW-7

Matrix: GROUNDWATER **Collection Date:** 09/01/2021 10:11

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Depth to water from measuring point	*	0		**3.82**	ft	1	09/01/2021 10:11	R298998
STANDARD METHOD 4500-H B 2001 FIELD								
pH	*	1.00		**6.56**		1	09/01/2021 10:11	R298998
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**15**	NTU	1	09/01/2021 10:11	R298998
STANDARD METHODS 18TH ED. 2580 B FIELD								
Oxidation-Reduction Potential	*	-300		**107**	mV	1	09/01/2021 10:11	R298998
STANDARD METHODS 2510 B FIELD								
Spec. Conductance, Field	*	0		**1550**	µS/cm	1	09/01/2021 10:11	R298998
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**20.5**	°C	1	09/01/2021 10:11	R298998
STANDARD METHODS 4500-O G FIELD								
Oxygen, Dissolved	*	0		**0.59**	mg/L	1	09/01/2021 10:11	R298998
STANDARD METHODS 2320 B (TOTAL) 1997, 2011								
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0		**550**	mg/L	1	09/02/2021 12:20	R298488
STANDARD METHODS 2320 B 1997, 2011								
Alkalinity, Carbonate (as CaCO3)	NELAP	0		**0**	mg/L	1	09/02/2021 12:20	R298488
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	20		**970**	mg/L	1	09/07/2021 16:30	R298664
SW-846 9036 (TOTAL)								
Sulfate	NELAP	100		**317**	mg/L	10	09/09/2021 16:25	R298761
SW-846 9214 (TOTAL)								
Fluoride	NELAP	0.10		**0.26**	mg/L	1	09/02/2021 13:16	R298485
SW-846 9251 (TOTAL)								
Chloride	NELAP	1		**3**	mg/L	1	09/07/2021 19:20	R298663
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Magnesium	NELAP	0.050		**91.3**	mg/L	1	09/08/2021 19:55	181572
Potassium	NELAP	0.100		**2.34**	mg/L	1	09/08/2021 19:55	181572
Sodium	NELAP	0.050		**17.6**	mg/L	1	09/08/2021 19:55	181572
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	1.0		**< 1.0**	µg/L	5	09/10/2021 8:30	181571
Arsenic	NELAP	1.0		**1.4**	µg/L	5	09/10/2021 8:30	181571
Barium	NELAP	1.0		**90.9**	µg/L	5	09/10/2021 8:30	181571
Beryllium	NELAP	1.0		**< 1.0**	µg/L	5	09/10/2021 8:30	181571
Boron	NELAP	25.0		**604**	µg/L	5	09/10/2021 17:31	181571
Cadmium	NELAP	1.0		**< 1.0**	µg/L	5	09/10/2021 8:30	181571
Calcium	NELAP	125		**198000**	µg/L	5	09/10/2021 17:31	181571
Chromium	NELAP	1.5		**< 1.5**	µg/L	5	09/10/2021 8:30	181571
Cobalt	NELAP	1.0		**1.7**	µg/L	5	09/10/2021 6:37	181571
Lead	NELAP	1.0		**< 1.0**	µg/L	5	09/10/2021 8:30	181571
Lithium	*	3.0		**4.3**	µg/L	5	09/10/2021 8:30	181571
Molybdenum	NELAP	1.5		**3.1**	µg/L	5	09/10/2021 8:30	181571
Selenium	NELAP	1.0		**< 1.0**	µg/L	5	09/10/2021 8:30	181571
Thallium	NELAP	2.0		**< 2.0**	µg/L	5	09/10/2021 6:37	181571

Sample result(s) for B exceed 10 times the CCB. Data is reportable per the TNI Standard.

Client: Ramboll **Work Order:** 21080599

Client Project: Kincaid Ash Pond CCR 141 **Report Date:** 17-Sep-21

Lab ID: 21080599-003 **Client Sample ID:** 141MW-7

Matrix: GROUNDWATER **Collection Date:** 09/01/2021 10:11

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.20		**< 0.20**	µg/L	1	09/08/2021 9:40	181545

Client: Ramboll **Work Order:** 21080599

Client Project: Kincaid Ash Pond CCR 141 **Report Date:** 17-Sep-21

Lab ID: 21080599-004 **Client Sample ID:** 141MW-8

Matrix: GROUNDWATER **Collection Date:** 09/01/2021 11:20

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Depth to water from measuring point	*	0		**8.23**	ft	1	09/01/2021 11:20	R298998
STANDARD METHOD 4500-H B 2001 FIELD								
pH	*	1.00		**6.49**		1	09/01/2021 11:20	R298998
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**4.8**	NTU	1	09/01/2021 11:20	R298998
STANDARD METHODS 18TH ED. 2580 B FIELD								
Oxidation-Reduction Potential	*	-300		**98**	mV	1	09/01/2021 11:20	R298998
STANDARD METHODS 2510 B FIELD								
Spec. Conductance, Field	*	0		**1160**	µS/cm	1	09/01/2021 11:20	R298998
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**15.0**	°C	1	09/01/2021 11:20	R298998
STANDARD METHODS 4500-O G FIELD								
Oxygen, Dissolved	*	0		**0.29**	mg/L	1	09/01/2021 11:20	R298998
STANDARD METHODS 2320 B (TOTAL) 1997, 2011								
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0		**422**	mg/L	1	09/02/2021 12:27	R298488
STANDARD METHODS 2320 B 1997, 2011								
Alkalinity, Carbonate (as CaCO3)	NELAP	0		**0**	mg/L	1	09/02/2021 12:27	R298488
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	20		**794**	mg/L	1	09/07/2021 16:31	R298664
SW-846 9036 (TOTAL)								
Sulfate	NELAP	100		**267**	mg/L	10	09/07/2021 19:32	R298662
SW-846 9214 (TOTAL)								
Fluoride	NELAP	0.10		**0.21**	mg/L	1	09/02/2021 13:26	R298485
SW-846 9251 (TOTAL)								
Chloride	NELAP	1		**21**	mg/L	1	09/07/2021 19:28	R298663
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Magnesium	NELAP	0.050		**73.0**	mg/L	1	09/08/2021 19:58	181572
Potassium	NELAP	0.100		**0.530**	mg/L	1	09/08/2021 19:58	181572
Sodium	NELAP	0.050		**28.7**	mg/L	1	09/08/2021 19:58	181572
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	1.0		**< 1.0**	µg/L	5	09/10/2021 8:38	181571
Arsenic	NELAP	1.0		**< 1.0**	µg/L	5	09/10/2021 8:38	181571
Barium	NELAP	1.0		**27.0**	µg/L	5	09/10/2021 8:38	181571
Beryllium	NELAP	1.0		**< 1.0**	µg/L	5	09/10/2021 8:38	181571
Boron	NELAP	25.0		**986**	µg/L	5	09/10/2021 17:34	181571
Cadmium	NELAP	1.0		**< 1.0**	µg/L	5	09/10/2021 8:38	181571
Calcium	NELAP	125		**149000**	µg/L	5	09/10/2021 17:34	181571
Chromium	NELAP	1.5		**< 1.5**	µg/L	5	09/10/2021 8:38	181571
Cobalt	NELAP	1.0		**1.3**	µg/L	5	09/10/2021 6:46	181571
Lead	NELAP	1.0		**< 1.0**	µg/L	5	09/10/2021 8:38	181571
Lithium	*	3.0	J	**1.8**	µg/L	5	09/10/2021 8:38	181571
Molybdenum	NELAP	1.5		**< 1.5**	µg/L	5	09/10/2021 8:38	181571
Selenium	NELAP	1.0		**< 1.0**	µg/L	5	09/10/2021 8:38	181571
Thallium	NELAP	2.0		**< 2.0**	µg/L	5	09/10/2021 6:46	181571

Sample result(s) for B exceed 10 times the CCB. Data is reportable per the TNI Standard.

Client: Ramboll **Work Order:** 21080599

Client Project: Kincaid Ash Pond CCR 141 **Report Date:** 17-Sep-21

Lab ID: 21080599-004 **Client Sample ID:** 141MW-8

Matrix: GROUNDWATER **Collection Date:** 09/01/2021 11:20

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.20		**< 0.20**	µg/L	1	09/08/2021 12:32	181545

Client: Ramboll **Work Order:** 21080599

Client Project: Kincaid Ash Pond CCR 141 **Report Date:** 17-Sep-21

Lab ID: 21080599-005 **Client Sample ID:** 141MW-11

Matrix: GROUNDWATER **Collection Date:** 09/01/2021 12:21

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Depth to water from measuring point	*	0		**11.60**	ft	1	09/01/2021 12:21	R298998
STANDARD METHOD 4500-H B 2001 FIELD								
pH	*	1.00		**6.74**		1	09/01/2021 12:21	R298998
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**3.6**	NTU	1	09/01/2021 12:21	R298998
STANDARD METHODS 18TH ED. 2580 B FIELD								
Oxidation-Reduction Potential	*	-300		**72**	mV	1	09/01/2021 12:21	R298998
STANDARD METHODS 2510 B FIELD								
Spec. Conductance, Field	*	0		**1030**	µS/cm	1	09/01/2021 12:21	R298998
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**17.2**	°C	1	09/01/2021 12:21	R298998
STANDARD METHODS 4500-O G FIELD								
Oxygen, Dissolved	*	0		**0.44**	mg/L	1	09/01/2021 12:21	R298998
STANDARD METHODS 2320 B (TOTAL) 1997, 2011								
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0		**422**	mg/L	1	09/02/2021 12:33	R298488
STANDARD METHODS 2320 B 1997, 2011								
Alkalinity, Carbonate (as CaCO3)	NELAP	0		**0**	mg/L	1	09/02/2021 12:33	R298488
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	20		**584**	mg/L	1	09/07/2021 16:31	R298664
SW-846 9036 (TOTAL)								
Sulfate	NELAP	50		**110**	mg/L	5	09/07/2021 19:38	R298662
SW-846 9214 (TOTAL)								
Fluoride	NELAP	0.10		**0.48**	mg/L	1	09/02/2021 13:28	R298485
SW-846 9251 (TOTAL)								
Chloride	NELAP	5		**38**	mg/L	5	09/07/2021 19:38	R298663
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Magnesium	NELAP	0.050		**52.6**	mg/L	1	09/08/2021 20:17	181572
Potassium	NELAP	0.100		**0.972**	mg/L	1	09/08/2021 20:17	181572
Sodium	NELAP	0.050		**41.9**	mg/L	1	09/08/2021 20:17	181572
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	1.0		**< 1.0**	µg/L	5	09/10/2021 6:54	181571
Arsenic	NELAP	1.0		**1.3**	µg/L	5	09/10/2021 6:54	181571
Barium	NELAP	1.0		**127**	µg/L	5	09/10/2021 6:54	181571
Beryllium	NELAP	1.0		**< 1.0**	µg/L	5	09/10/2021 8:45	181571
Boron	NELAP	25.0		**1560**	µg/L	5	09/10/2021 17:37	181571
Cadmium	NELAP	1.0		**< 1.0**	µg/L	5	09/10/2021 6:54	181571
Calcium	NELAP	125	S	**115000**	µg/L	5	09/10/2021 17:37	181571
Chromium	NELAP	1.5		**< 1.5**	µg/L	5	09/10/2021 8:45	181571
Cobalt	NELAP	1.0	J	**0.4**	µg/L	5	09/10/2021 6:54	181571
Lead	NELAP	1.0		**< 1.0**	µg/L	5	09/10/2021 8:45	181571
Lithium	*	3.0	J	**2.2**	µg/L	5	09/10/2021 8:45	181571
Molybdenum	NELAP	1.5		**2.2**	µg/L	5	09/10/2021 6:54	181571
Selenium	NELAP	1.0		**< 1.0**	µg/L	5	09/10/2021 6:54	181571
Thallium	NELAP	2.0		**< 2.0**	µg/L	5	09/10/2021 6:54	181571

Client: Ramboll **Work Order:** 21080599

Client Project: Kincaid Ash Pond CCR 141 **Report Date:** 17-Sep-21

Lab ID: 21080599-005 **Client Sample ID:** 141MW-11

Matrix: GROUNDWATER **Collection Date:** 09/01/2021 12:21

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Sample result(s) for B exceed 10 times the CCB. Data is reportable per the TNI Standard.								
Matrix spike control limits for Ca are not applicable due to high sample/spike ratio.								
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.20		**< 0.20**	µg/L	1	09/08/2021 12:34	181545

Client: Ramboll **Work Order:** 21080599

Client Project: Kincaid Ash Pond CCR 141 **Report Date:** 17-Sep-21

Lab ID: 21080599-006 **Client Sample ID:** 141MW-12

Matrix: GROUNDWATER **Collection Date:** 09/01/2021 10:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Depth to water from measuring point	*	0		**6.38**	ft	1	09/01/2021 10:40	R298998
STANDARD METHOD 4500-H B 2001 FIELD								
pH	*	1.00		**6.67**		1	09/01/2021 10:40	R298998
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**9.6**	NTU	1	09/01/2021 10:40	R298998
STANDARD METHODS 18TH ED. 2580 B FIELD								
Oxidation-Reduction Potential	*	-300		**-64**	mV	1	09/01/2021 10:40	R298998
STANDARD METHODS 2510 B FIELD								
Spec. Conductance, Field	*	0		**1460**	µS/cm	1	09/01/2021 10:40	R298998
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**15.8**	°C	1	09/01/2021 10:40	R298998
STANDARD METHODS 4500-O G FIELD								
Oxygen, Dissolved	*	0		**0.29**	mg/L	1	09/01/2021 10:40	R298998
STANDARD METHODS 2320 B (TOTAL) 1997, 2011								
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0		**517**	mg/L	1	09/02/2021 12:40	R298488
STANDARD METHODS 2320 B 1997, 2011								
Alkalinity, Carbonate (as CaCO3)	NELAP	0		**0**	mg/L	1	09/02/2021 12:40	R298488
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	20		**1050**	mg/L	1	09/07/2021 16:31	R298664
SW-846 9036 (TOTAL)								
Sulfate	NELAP	200		**332**	mg/L	20	09/07/2021 20:07	R298662
SW-846 9214 (TOTAL)								
Fluoride	NELAP	0.10		**0.22**	mg/L	1	09/02/2021 13:30	R298485
SW-846 9251 (TOTAL)								
Chloride	NELAP	1		**40**	mg/L	1	09/07/2021 19:49	R298663
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Magnesium	NELAP	0.050		**86.2**	mg/L	1	09/08/2021 20:28	181572
Potassium	NELAP	0.100		**2.14**	mg/L	1	09/08/2021 20:28	181572
Sodium	NELAP	0.050		**51.0**	mg/L	1	09/08/2021 20:28	181572
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	1.0		**< 1.0**	µg/L	5	09/10/2021 9:08	181571
Arsenic	NELAP	1.0		**< 1.0**	µg/L	5	09/10/2021 9:08	181571
Barium	NELAP	1.0		**80.2**	µg/L	5	09/10/2021 9:08	181571
Beryllium	NELAP	1.0		**< 1.0**	µg/L	5	09/10/2021 9:08	181571
Boron	NELAP	25.0		**2780**	µg/L	5	09/10/2021 17:47	181571
Cadmium	NELAP	1.0		**< 1.0**	µg/L	5	09/10/2021 9:08	181571
Calcium	NELAP	125		**197000**	µg/L	5	09/10/2021 17:47	181571
Chromium	NELAP	1.5		**< 1.5**	µg/L	5	09/10/2021 9:08	181571
Cobalt	NELAP	1.0	J	**0.2**	µg/L	5	09/10/2021 7:55	181571
Lead	NELAP	1.0		**< 1.0**	µg/L	5	09/10/2021 9:08	181571
Lithium	*	3.0		**9.6**	µg/L	5	09/10/2021 9:08	181571
Molybdenum	NELAP	1.5	J	**1.2**	µg/L	5	09/10/2021 9:08	181571
Selenium	NELAP	1.0		**< 1.0**	µg/L	5	09/10/2021 9:08	181571
Thallium	NELAP	2.0	J	**1.9**	µg/L	5	09/10/2021 7:55	181571

Sample result(s) for B exceed 10 times the CCB. Data is reportable per the TNI Standard.

Client: Ramboll **Work Order:** 21080599

Client Project: Kincaid Ash Pond CCR 141 **Report Date:** 17-Sep-21

Lab ID: 21080599-006 **Client Sample ID:** 141MW-12

Matrix: GROUNDWATER **Collection Date:** 09/01/2021 10:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.20		**< 0.20**	µg/L	1	09/08/2021 12:36	181545

Client: Ramboll **Work Order:** 21080599

Client Project: Kincaid Ash Pond CCR 141 **Report Date:** 17-Sep-21

Lab ID: 21080599-007 **Client Sample ID:** 141MW-1

Matrix: GROUNDWATER **Collection Date:** 09/01/2021 12:43

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Depth to water from measuring point	*	0		**15.57**	ft	1	09/01/2021 12:43	R298998
STANDARD METHOD 4500-H B 2001 FIELD								
pH	*	1.00		**6.46**		1	09/01/2021 12:43	R298998
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**4.4**	NTU	1	09/01/2021 12:43	R298998
STANDARD METHODS 18TH ED. 2580 B FIELD								
Oxidation-Reduction Potential	*	-300		**117**	mV	1	09/01/2021 12:43	R298998
STANDARD METHODS 2510 B FIELD								
Spec. Conductance, Field	*	0		**555**	µS/cm	1	09/01/2021 12:43	R298998
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**20.0**	°C	1	09/01/2021 12:43	R298998
STANDARD METHODS 4500-O G FIELD								
Oxygen, Dissolved	*	0		**0.58**	mg/L	1	09/01/2021 12:43	R298998
STANDARD METHODS 2320 B (TOTAL) 1997, 2011								
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0		**182**	mg/L	1	09/02/2021 12:48	R298488
STANDARD METHODS 2320 B 1997, 2011								
Alkalinity, Carbonate (as CaCO3)	NELAP	0		**0**	mg/L	1	09/02/2021 12:48	R298488
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	20		**302**	mg/L	1	09/07/2021 16:31	R298664
SW-846 9036 (TOTAL)								
Sulfate	NELAP	50		**85**	mg/L	5	09/07/2021 20:15	R298662
SW-846 9214 (TOTAL)								
Fluoride	NELAP	0.10		**0.19**	mg/L	1	09/02/2021 13:31	R298485
SW-846 9251 (TOTAL)								
Chloride	NELAP	1		**9**	mg/L	1	09/07/2021 20:10	R298663
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Magnesium	NELAP	0.050		**27.2**	mg/L	1	09/08/2021 20:32	181572
Potassium	NELAP	0.100		**0.261**	mg/L	1	09/08/2021 20:32	181572
Sodium	NELAP	0.050		**15.8**	mg/L	1	09/08/2021 20:32	181572
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	1.0		**< 1.0**	µg/L	5	09/10/2021 9:16	181571
Arsenic	NELAP	1.0		**< 1.0**	µg/L	5	09/10/2021 9:16	181571
Barium	NELAP	1.0		**46.6**	µg/L	5	09/10/2021 9:16	181571
Beryllium	NELAP	1.0		**< 1.0**	µg/L	5	09/10/2021 9:16	181571
Boron	NELAP	25.0		**301**	µg/L	5	09/10/2021 17:50	181571
Cadmium	NELAP	1.0		**< 1.0**	µg/L	5	09/10/2021 9:16	181571
Calcium	NELAP	125		**55200**	µg/L	5	09/10/2021 17:50	181571
Chromium	NELAP	1.5		**< 1.5**	µg/L	5	09/10/2021 9:16	181571
Cobalt	NELAP	1.0	J	**0.3**	µg/L	5	09/10/2021 8:04	181571
Lead	NELAP	1.0		**< 1.0**	µg/L	5	09/10/2021 9:16	181571
Lithium	*	3.0	J	**1.7**	µg/L	5	09/10/2021 9:16	181571
Molybdenum	NELAP	1.5		**< 1.5**	µg/L	5	09/10/2021 9:16	181571
Selenium	NELAP	1.0		**< 1.0**	µg/L	5	09/10/2021 9:16	181571
Thallium	NELAP	2.0		**< 2.0**	µg/L	5	09/10/2021 8:04	181571

Sample result(s) for B exceed 10 times the CCB. Data is reportable per the TNI Standard.

Client: Ramboll **Work Order:** 21080599

Client Project: Kincaid Ash Pond CCR 141 **Report Date:** 17-Sep-21

Lab ID: 21080599-007 **Client Sample ID:** 141MW-1

Matrix: GROUNDWATER **Collection Date:** 09/01/2021 12:43

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.20		**< 0.20**	µg/L	1	09/08/2021 12:39	181545

Client: Ramboll **Work Order:** 21080599

Client Project: Kincaid Ash Pond CCR 141 **Report Date:** 17-Sep-21

Lab ID: 21080599-008 **Client Sample ID:** 141MW-2

Matrix: GROUNDWATER **Collection Date:** 09/01/2021 13:14

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Depth to water from measuring point	*	0		**7.00**	ft	1	09/01/2021 13:14	R298998
STANDARD METHOD 4500-H B 2001 FIELD								
pH	*	1.00		**7.02**		1	09/01/2021 13:14	R298998
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**25**	NTU	1	09/01/2021 13:14	R298998
STANDARD METHODS 18TH ED. 2580 B FIELD								
Oxidation-Reduction Potential	*	-300		**-41**	mV	1	09/01/2021 13:14	R298998
STANDARD METHODS 2510 B FIELD								
Spec. Conductance, Field	*	0		**726**	µS/cm	1	09/01/2021 13:14	R298998
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**15.8**	°C	1	09/01/2021 13:14	R298998
STANDARD METHODS 4500-O G FIELD								
Oxygen, Dissolved	*	0		**0.37**	mg/L	1	09/01/2021 13:14	R298998
STANDARD METHODS 2320 B (TOTAL) 1997, 2011								
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0		**254**	mg/L	1	09/02/2021 12:53	R298488
STANDARD METHODS 2320 B 1997, 2011								
Alkalinity, Carbonate (as CaCO3)	NELAP	0		**0**	mg/L	1	09/02/2021 12:53	R298488
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	20		**476**	mg/L	1	09/07/2021 16:31	R298664
SW-846 9036 (TOTAL)								
Sulfate	NELAP	100		**133**	mg/L	10	09/07/2021 20:24	R298662
SW-846 9214 (TOTAL)								
Fluoride	NELAP	0.10		**0.42**	mg/L	1	09/02/2021 13:33	R298485
SW-846 9251 (TOTAL)								
Chloride	NELAP	1		**15**	mg/L	1	09/07/2021 20:18	R298663
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Magnesium	NELAP	0.050		**36.5**	mg/L	1	09/08/2021 20:36	181572
Potassium	NELAP	0.100		**1.28**	mg/L	1	09/08/2021 20:36	181572
Sodium	NELAP	0.050		**22.4**	mg/L	1	09/08/2021 20:36	181572
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	1.0		**< 1.0**	µg/L	5	09/10/2021 9:23	181571
Arsenic	NELAP	1.0		**1.4**	µg/L	5	09/10/2021 9:23	181571
Barium	NELAP	1.0		**101**	µg/L	5	09/10/2021 9:23	181571
Beryllium	NELAP	1.0		**< 1.0**	µg/L	5	09/10/2021 9:23	181571
Boron	NELAP	25.0		**128**	µg/L	5	09/10/2021 17:53	181571
Cadmium	NELAP	1.0		**< 1.0**	µg/L	5	09/10/2021 9:23	181571
Calcium	NELAP	125		**93400**	µg/L	5	09/10/2021 17:53	181571
Chromium	NELAP	1.5	J	**1.1**	µg/L	5	09/10/2021 9:23	181571
Cobalt	NELAP	1.0	J	**0.5**	µg/L	5	09/10/2021 8:12	181571
Lead	NELAP	1.0		**< 1.0**	µg/L	5	09/10/2021 9:23	181571
Lithium	*	3.0		**4.0**	µg/L	5	09/10/2021 9:23	181571
Molybdenum	NELAP	1.5		**3.4**	µg/L	5	09/10/2021 9:23	181571
Selenium	NELAP	1.0	J	**0.8**	µg/L	5	09/10/2021 9:23	181571
Thallium	NELAP	2.0		**< 2.0**	µg/L	5	09/10/2021 8:12	181571

Sample result(s) for B exceed 10 times the CCB. Data is reportable per the TNI Standard.

Client: Ramboll **Work Order:** 21080599

Client Project: Kincaid Ash Pond CCR 141 **Report Date:** 17-Sep-21

Lab ID: 21080599-008 **Client Sample ID:** 141MW-2

Matrix: GROUNDWATER **Collection Date:** 09/01/2021 13:14

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.20		**< 0.20**	µg/L	1	09/08/2021 12:41	181545

Client: Ramboll **Work Order:** 21080599

Client Project: Kincaid Ash Pond CCR 141 **Report Date:** 17-Sep-21

Lab ID: 21080599-009 **Client Sample ID:** 141MW-8 Duplicate

Matrix: GROUNDWATER **Collection Date:** 09/01/2021 11:20

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Depth to water from measuring point	*	0		**8.23**	ft	1	09/01/2021 11:20	R298998
STANDARD METHOD 4500-H B 2001 FIELD								
pH	*	1.00		**6.49**		1	09/01/2021 11:20	R298998
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**4.8**	NTU	1	09/01/2021 11:20	R298998
STANDARD METHODS 18TH ED. 2580 B FIELD								
Oxidation-Reduction Potential	*	-300		**98**	mV	1	09/01/2021 11:20	R298998
STANDARD METHODS 2510 B FIELD								
Spec. Conductance, Field	*	0		**1160**	µS/cm	1	09/01/2021 11:20	R298998
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**15.0**	°C	1	09/01/2021 11:20	R298998
STANDARD METHODS 4500-O G FIELD								
Oxygen, Dissolved	*	0		**0.29**	mg/L	1	09/01/2021 11:20	R298998
STANDARD METHODS 2320 B (TOTAL) 1997, 2011								
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0		**444**	mg/L	1	09/02/2021 12:59	R298488
STANDARD METHODS 2320 B 1997, 2011								
Alkalinity, Carbonate (as CaCO3)	NELAP	0		**0**	mg/L	1	09/02/2021 12:59	R298488
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	20		**784**	mg/L	1	09/07/2021 17:11	R298664
SW-846 9036 (TOTAL)								
Sulfate	NELAP	100		**256**	mg/L	10	09/07/2021 20:31	R298662
SW-846 9214 (TOTAL)								
Fluoride	NELAP	0.10		**0.21**	mg/L	1	09/02/2021 13:35	R298485
SW-846 9251 (TOTAL)								
Chloride	NELAP	1		**21**	mg/L	1	09/07/2021 20:26	R298663
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Magnesium	NELAP	0.050		**72.5**	mg/L	1	09/08/2021 20:39	181572
Potassium	NELAP	0.100		**0.521**	mg/L	1	09/08/2021 20:39	181572
Sodium	NELAP	0.050		**28.3**	mg/L	1	09/08/2021 20:39	181572
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	1.0		**< 1.0**	µg/L	5	09/10/2021 9:31	181571
Arsenic	NELAP	1.0		**< 1.0**	µg/L	5	09/10/2021 9:31	181571
Barium	NELAP	1.0		**27.7**	µg/L	5	09/10/2021 9:31	181571
Beryllium	NELAP	1.0		**< 1.0**	µg/L	5	09/10/2021 9:31	181571
Boron	NELAP	25.0		**1000**	µg/L	5	09/10/2021 17:56	181571
Cadmium	NELAP	1.0		**< 1.0**	µg/L	5	09/10/2021 9:31	181571
Calcium	NELAP	125		**157000**	µg/L	5	09/10/2021 17:56	181571
Chromium	NELAP	1.5		**< 1.5**	µg/L	5	09/10/2021 9:31	181571
Cobalt	NELAP	1.0		**1.2**	µg/L	5	09/10/2021 8:21	181571
Lead	NELAP	1.0		**< 1.0**	µg/L	5	09/10/2021 9:31	181571
Lithium	*	3.0	J	**2.1**	µg/L	5	09/10/2021 9:31	181571
Molybdenum	NELAP	1.5		**< 1.5**	µg/L	5	09/10/2021 9:31	181571
Selenium	NELAP	1.0		**< 1.0**	µg/L	5	09/10/2021 9:31	181571
Thallium	NELAP	2.0		**< 2.0**	µg/L	5	09/10/2021 8:21	181571

Sample result(s) for B exceed 10 times the CCB. Data is reportable per the TNI Standard.

Client: Ramboll
Work Order: 21080599
Client Project: Kincaid Ash Pond CCR 141
Report Date: 17-Sep-21
Lab ID: 21080599-009
Client Sample ID: 141MW-8 Duplicate
Matrix: GROUNDWATER
Collection Date: 09/01/2021 11:20

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.20		**< 0.20**	µg/L	1	09/08/2021 12:43	181545

Client: Ramboll **Work Order:** 21080599

Client Project: Kincaid Ash Pond CCR 141 **Report Date:** 17-Sep-21

Lab ID: 21080599-010 **Client Sample ID:** Field Blank

Matrix: GROUNDWATER **Collection Date:** 09/01/2021 11:12

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHODS 2320 B (TOTAL) 1997, 2011								
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0		**2**	mg/L	1	09/02/2021 13:05	R298488
STANDARD METHODS 2320 B 1997, 2011								
Alkalinity, Carbonate (as CaCO3)	NELAP	0		**0**	mg/L	1	09/02/2021 13:05	R298488
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	20		**< 20**	mg/L	1	09/07/2021 17:11	R298664
SW-846 9036 (TOTAL)								
Sulfate	NELAP	10		**< 10**	mg/L	1	09/07/2021 20:34	R298662
SW-846 9214 (TOTAL)								
Fluoride	NELAP	0.10	J	**0.02**	mg/L	1	09/02/2021 13:37	R298485
SW-846 9251 (TOTAL)								
Chloride	NELAP	1		**< 1**	mg/L	1	09/07/2021 20:34	R298663
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Magnesium	NELAP	0.050		**< 0.050**	mg/L	1	09/08/2021 20:43	181572
Potassium	NELAP	0.100		**< 0.100**	mg/L	1	09/08/2021 20:43	181572
Sodium	NELAP	0.050		**< 0.050**	mg/L	1	09/08/2021 20:43	181572
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	1.0		**< 1.0**	µg/L	5	09/10/2021 9:39	181571
Arsenic	NELAP	1.0		**< 1.0**	µg/L	5	09/10/2021 8:30	181571
Barium	NELAP	1.0		**< 1.0**	µg/L	5	09/10/2021 9:39	181571
Beryllium	NELAP	1.0		**< 1.0**	µg/L	5	09/10/2021 8:30	181571
Boron	NELAP	25	J	**11**	µg/L	5	09/10/2021 18:12	181571
Cadmium	NELAP	1.0		**< 1.0**	µg/L	5	09/10/2021 8:30	181571
Calcium	NELAP	125		**< 125**	µg/L	5	09/10/2021 18:12	181571
Chromium	NELAP	1.5		**< 1.5**	µg/L	5	09/10/2021 8:30	181571
Cobalt	NELAP	1.0		**< 1.0**	µg/L	5	09/10/2021 8:30	181571
Lead	NELAP	1.0		**< 1.0**	µg/L	5	09/10/2021 9:39	181571
Lithium	*	3.0		**< 3.0**	µg/L	5	09/10/2021 8:30	181571
Molybdenum	NELAP	1.5		**< 1.5**	µg/L	5	09/10/2021 8:30	181571
Selenium	NELAP	1.0		**< 1.0**	µg/L	5	09/10/2021 8:30	181571
Thallium	NELAP	2.0		**< 2.0**	µg/L	5	09/10/2021 8:30	181571
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.20		**< 0.20**	µg/L	1	09/08/2021 12:45	181545

Client: Ramboll **Work Order:** 21080599

Client Project: Kincaid Ash Pond CCR 141 **Report Date:** 17-Sep-21

Lab ID: 21080599-011 **Client Sample ID:** 141MW-3

Matrix: GROUNDWATER **Collection Date:** 09/01/2021 12:06

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Depth to water from measuring point	*	0		**9.89**	ft	1	09/01/2021 12:06	R298998

Client: Ramboll **Work Order:** 21080599

Client Project: Kincaid Ash Pond CCR 141 **Report Date:** 17-Sep-21

Lab ID: 21080599-012 **Client Sample ID:** 141MW-4

Matrix: GROUNDWATER **Collection Date:** 09/01/2021 12:04

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Depth to water from measuring point	*	0		**8.58**	ft	1	09/01/2021 12:04	R298998

Client: Ramboll **Work Order:** 21080599

Client Project: Kincaid Ash Pond CCR 141 **Report Date:** 17-Sep-21

Lab ID: 21080599-013 **Client Sample ID:** 141MW-9

Matrix: GROUNDWATER **Collection Date:** 09/01/2021 13:22

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Depth to water from measuring point	*	0		**11.76**	ft	1	09/01/2021 13:22	R298998

Client: Ramboll **Work Order:** 21080599

Client Project: Kincaid Ash Pond CCR 141 **Report Date:** 17-Sep-21

Lab ID: 21080599-014 **Client Sample ID:** 141MW-10

Matrix: GROUNDWATER **Collection Date:** 09/01/2021 13:26

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Depth to water from measuring point	*	0		**14.84**	ft	1	09/01/2021 13:26	R298998

Client: Ramboll **Work Order:** 21080599

Client Project: Kincaid Ash Pond CCR 141 **Report Date:** 17-Sep-21

Lab ID: 21080599-015 **Client Sample ID:** KI_141_AP1_Source Water

Matrix: GROUNDWATER **Collection Date:** 09/01/2021 11:41

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Depth to water from measuring point	*	0		**N/A**	ft	1	09/01/2021 11:41	R298998
STANDARD METHOD 4500-H B 2001 FIELD								
pH	*	1.00		**8.16**		1	09/01/2021 11:41	R298998
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**6.0**	NTU	1	09/01/2021 11:41	R298998
STANDARD METHODS 18TH ED. 2580 B FIELD								
Oxidation-Reduction Potential	*	-300		**-48**	mV	1	09/01/2021 11:41	R298998
STANDARD METHODS 2510 B FIELD								
Spec. Conductance, Field	*	0		**1080**	µS/cm	1	09/01/2021 11:41	R298998
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**28.4**	°C	1	09/01/2021 11:41	R298998
STANDARD METHODS 4500-O G FIELD								
Oxygen, Dissolved	*	0		**7.79**	mg/L	1	09/01/2021 11:41	R298998
STANDARD METHODS 2320 B (TOTAL) 1997, 2011								
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0		**127**	mg/L	1	09/02/2021 13:10	R298488
STANDARD METHODS 2320 B 1997, 2011								
Alkalinity, Carbonate (as CaCO3)	NELAP	0		**0**	mg/L	1	09/02/2021 13:10	R298488
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	20		**544**	mg/L	1	09/07/2021 17:11	R298664
SW-846 9036 (TOTAL)								
Sulfate	NELAP	100		**275**	mg/L	10	09/09/2021 16:30	R298761
SW-846 9214 (TOTAL)								
Fluoride	NELAP	0.10		**0.67**	mg/L	1	09/02/2021 13:39	R298485
SW-846 9251 (TOTAL)								
Chloride	NELAP	5		**33**	mg/L	5	09/07/2021 20:37	R298663
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Magnesium	NELAP	0.050		**29.4**	mg/L	1	09/09/2021 16:27	181623
Potassium	NELAP	0.100		**8.20**	mg/L	1	09/09/2021 16:27	181623
Sodium	NELAP	0.050	S	**73.2**	mg/L	1	09/09/2021 16:27	181623
Matrix spike control limits for Na are not applicable due to high sample/spike ratio.								
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	1.0		**< 1.0**	µg/L	5	09/13/2021 21:34	181625
Arsenic	NELAP	1.0		**1.7**	µg/L	5	09/13/2021 21:34	181625
Barium	NELAP	1.0		**246**	µg/L	5	09/13/2021 21:34	181625
Beryllium	NELAP	1.0		**< 1.0**	µg/L	5	09/13/2021 21:34	181625
Boron	NELAP	25.0		**1380**	µg/L	5	09/14/2021 16:36	181625
Cadmium	NELAP	1.0		**< 1.0**	µg/L	5	09/13/2021 21:34	181625
Calcium	NELAP	125	S	**70300**	µg/L	5	09/13/2021 21:34	181625
Chromium	NELAP	1.5	J	**0.9**	µg/L	5	09/13/2021 21:34	181625
Cobalt	NELAP	1.0	J	**0.2**	µg/L	5	09/13/2021 21:34	181625
Lead	NELAP	1.0		**< 1.0**	µg/L	5	09/13/2021 21:34	181625
Lithium	*	3.0		**18.9**	µg/L	5	09/13/2021 21:34	181625
Molybdenum	NELAP	1.5		**14.4**	µg/L	5	09/13/2021 21:34	181625
Selenium	NELAP	1.0		**< 1.0**	µg/L	5	09/13/2021 21:34	181625
Thallium	NELAP	2.0		**2.1**	µg/L	5	09/13/2021 21:34	181625

Client: Ramboll **Work Order:** 21080599

Client Project: Kincaid Ash Pond CCR 141 **Report Date:** 17-Sep-21

Lab ID: 21080599-015 **Client Sample ID:** KI_141_AP1_Source Water

Matrix: GROUNDWATER **Collection Date:** 09/01/2021 11:41

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Matrix spike control limits for Ca are not applicable due to high sample/spike ratio.								
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.20		**< 0.20**	µg/L	1	09/08/2021 12:48	181545

Client: Ramboll
Work Order: 21080599
Client Project: Kincaid Ash Pond CCR 141
Report Date: 17-Sep-21

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
21080599-001	141MW-5	Groundwater	3	09/01/2021 11:59
21080599-002	141MW-6	Groundwater	3	09/01/2021 10:59
21080599-003	141MW-7	Groundwater	3	09/01/2021 10:11
21080599-004	141MW-8	Groundwater	3	09/01/2021 11:20
21080599-005	141MW-11	Groundwater	3	09/01/2021 12:21
21080599-006	141MW-12	Groundwater	3	09/01/2021 10:40
21080599-007	141MW-1	Groundwater	3	09/01/2021 12:43
21080599-008	141MW-2	Groundwater	3	09/01/2021 13:14
21080599-009	141MW-8 Duplicate	Groundwater	3	09/01/2021 11:20
21080599-010	Field Blank	Groundwater	3	09/01/2021 11:12
21080599-011	141MW-3	Groundwater	1	09/01/2021 12:06
21080599-012	141MW-4	Groundwater	1	09/01/2021 12:04
21080599-013	141MW-9	Groundwater	1	09/01/2021 13:22
21080599-014	141MW-10	Groundwater	1	09/01/2021 13:26
21080599-015	KI_141_AP1_Source Water	Groundwater	3	09/01/2021 11:41

Client: Ramboll **Work Order:** 21080599

Client Project: Kincaid Ash Pond CCR 141 **Report Date:** 17-Sep-21

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
21080599-001A	141MW-5	09/01/2021 11:59	09/02/2021 7:50		
	Standard Methods 2320 B (Total) 1997, 2011				09/02/2021 11:59
	Standard Methods 2320 B 1997, 2011				09/02/2021 11:59
21080599-001B	141MW-5	09/01/2021 11:59	09/02/2021 7:50		
	Field Elevation Measurements				09/01/2021 11:59
	Standard Method 4500-H B 2001 Field				09/01/2021 11:59
	Standard Methods 2130 B Field				09/01/2021 11:59
	Standard Methods 18th Ed. 2580 B Field				09/01/2021 11:59
	Standard Methods 2510 B Field				09/01/2021 11:59
	Standard Methods 2540 C (Total) 1997, 2011				09/07/2021 16:30
	Standard Methods 2550 B Field				09/01/2021 11:59
	Standard Methods 4500-O G Field				09/01/2021 11:59
	SW-846 9036 (Total)				09/07/2021 18:37
	SW-846 9214 (Total)				09/02/2021 13:11
	SW-846 9251 (Total)				09/07/2021 18:48
21080599-001C	141MW-5	09/01/2021 11:59	09/02/2021 7:50		
	SW-846 3005A, 6010B, Metals by ICP (Total)			09/08/2021 7:29	09/08/2021 19:47
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/08/2021 7:21	09/10/2021 6:19
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/08/2021 7:21	09/10/2021 7:44
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/08/2021 7:21	09/10/2021 17:11
	SW-846 7470A (Total)			09/07/2021 11:57	09/08/2021 12:17
21080599-002A	141MW-6	09/01/2021 10:59	09/02/2021 7:50		
	Standard Methods 2320 B (Total) 1997, 2011				09/02/2021 12:14
	Standard Methods 2320 B 1997, 2011				09/02/2021 12:14
21080599-002B	141MW-6	09/01/2021 10:59	09/02/2021 7:50		
	Field Elevation Measurements				09/01/2021 10:59
	Standard Method 4500-H B 2001 Field				09/01/2021 10:59
	Standard Methods 2130 B Field				09/01/2021 10:59
	Standard Methods 18th Ed. 2580 B Field				09/01/2021 10:59
	Standard Methods 2510 B Field				09/01/2021 10:59
	Standard Methods 2540 C (Total) 1997, 2011				09/07/2021 16:30
	Standard Methods 2550 B Field				09/01/2021 10:59
	Standard Methods 4500-O G Field				09/01/2021 10:59
	SW-846 9036 (Total)				09/07/2021 19:17
	SW-846 9214 (Total)				09/02/2021 13:14
	SW-846 9251 (Total)				09/07/2021 19:12
21080599-002C	141MW-6	09/01/2021 10:59	09/02/2021 7:50		

Client: Ramboll **Work Order:** 21080599

Client Project: Kincaid Ash Pond CCR 141 **Report Date:** 17-Sep-21

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			**Prep Date/Time**	**Analysis Date/Time**
	SW-846 3005A, 6010B, Metals by ICP (Total)			09/08/2021 7:29	09/08/2021 19:51
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/08/2021 7:21	09/10/2021 6:28
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/08/2021 7:21	09/10/2021 7:52
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/08/2021 7:21	09/10/2021 17:27
	SW-846 7470A (Total)			09/07/2021 11:57	09/08/2021 12:24
21080599-003A	141MW-7	09/01/2021 10:11	09/02/2021 7:50		
	Standard Methods 2320 B (Total) 1997, 2011				09/02/2021 12:20
	Standard Methods 2320 B 1997, 2011				09/02/2021 12:20
21080599-003B	141MW-7	09/01/2021 10:11	09/02/2021 7:50		
	Field Elevation Measurements				09/01/2021 10:11
	Standard Method 4500-H B 2001 Field				09/01/2021 10:11
	Standard Methods 2130 B Field				09/01/2021 10:11
	Standard Methods 18th Ed. 2580 B Field				09/01/2021 10:11
	Standard Methods 2510 B Field				09/01/2021 10:11
	Standard Methods 2540 C (Total) 1997, 2011				09/07/2021 16:30
	Standard Methods 2550 B Field				09/01/2021 10:11
	Standard Methods 4500-O G Field				09/01/2021 10:11
	SW-846 9036 (Total)				09/09/2021 16:25
	SW-846 9214 (Total)				09/02/2021 13:16
	SW-846 9251 (Total)				09/07/2021 19:20
21080599-003C	141MW-7	09/01/2021 10:11	09/02/2021 7:50		
	SW-846 3005A, 6010B, Metals by ICP (Total)			09/08/2021 7:29	09/08/2021 19:55
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/08/2021 7:21	09/10/2021 6:37
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/08/2021 7:21	09/10/2021 8:30
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/08/2021 7:21	09/10/2021 17:31
	SW-846 7470A (Total)			09/07/2021 11:57	09/08/2021 9:40
21080599-004A	141MW-8	09/01/2021 11:20	09/02/2021 7:50		
	Standard Methods 2320 B (Total) 1997, 2011				09/02/2021 12:27
	Standard Methods 2320 B 1997, 2011				09/02/2021 12:27
21080599-004B	141MW-8	09/01/2021 11:20	09/02/2021 7:50		
	Field Elevation Measurements				09/01/2021 11:20
	Standard Method 4500-H B 2001 Field				09/01/2021 11:20
	Standard Methods 2130 B Field				09/01/2021 11:20
	Standard Methods 18th Ed. 2580 B Field				09/01/2021 11:20
	Standard Methods 2510 B Field				09/01/2021 11:20
	Standard Methods 2540 C (Total) 1997, 2011				09/07/2021 16:31
	Standard Methods 2550 B Field				09/01/2021 11:20

Client: Ramboll **Work Order:** 21080599

Client Project: Kincaid Ash Pond CCR 141 **Report Date:** 17-Sep-21

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			**Prep Date/Time**	**Analysis Date/Time**
	Standard Methods 4500-O G Field				09/01/2021 11:20
	SW-846 9036 (Total)				09/07/2021 19:32
	SW-846 9214 (Total)				09/02/2021 13:26
	SW-846 9251 (Total)				09/07/2021 19:28
21080599-004C	141MW-8	09/01/2021 11:20	09/02/2021 7:50		
	SW-846 3005A, 6010B, Metals by ICP (Total)			09/08/2021 7:29	09/08/2021 19:58
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/08/2021 7:21	09/10/2021 6:46
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/08/2021 7:21	09/10/2021 8:38
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/08/2021 7:21	09/10/2021 17:34
	SW-846 7470A (Total)			09/07/2021 11:57	09/08/2021 12:32
21080599-005A	141MW-11	09/01/2021 12:21	09/02/2021 7:50		
	Standard Methods 2320 B (Total) 1997, 2011				09/02/2021 12:33
	Standard Methods 2320 B 1997, 2011				09/02/2021 12:33
21080599-005B	141MW-11	09/01/2021 12:21	09/02/2021 7:50		
	Field Elevation Measurements				09/01/2021 12:21
	Standard Method 4500-H B 2001 Field				09/01/2021 12:21
	Standard Methods 2130 B Field				09/01/2021 12:21
	Standard Methods 18th Ed. 2580 B Field				09/01/2021 12:21
	Standard Methods 2510 B Field				09/01/2021 12:21
	Standard Methods 2540 C (Total) 1997, 2011				09/07/2021 16:31
	Standard Methods 2550 B Field				09/01/2021 12:21
	Standard Methods 4500-O G Field				09/01/2021 12:21
	SW-846 9036 (Total)				09/07/2021 19:38
	SW-846 9214 (Total)				09/02/2021 13:28
	SW-846 9251 (Total)				09/07/2021 19:38
21080599-005C	141MW-11	09/01/2021 12:21	09/02/2021 7:50		
	SW-846 3005A, 6010B, Metals by ICP (Total)			09/08/2021 7:29	09/08/2021 20:17
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/08/2021 7:21	09/10/2021 6:54
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/08/2021 7:21	09/10/2021 8:45
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/08/2021 7:21	09/10/2021 17:37
	SW-846 7470A (Total)			09/07/2021 11:57	09/08/2021 12:34
21080599-006A	141MW-12	09/01/2021 10:40	09/02/2021 7:50		
	Standard Methods 2320 B (Total) 1997, 2011				09/02/2021 12:40
	Standard Methods 2320 B 1997, 2011				09/02/2021 12:40
21080599-006B	141MW-12	09/01/2021 10:40	09/02/2021 7:50		
	Field Elevation Measurements				09/01/2021 10:40
	Standard Method 4500-H B 2001 Field				09/01/2021 10:40

Client: Ramboll **Work Order:** 21080599

Client Project: Kincaid Ash Pond CCR 141 **Report Date:** 17-Sep-21

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			**Prep Date/Time**	**Analysis Date/Time**
	Standard Methods 2130 B Field				09/01/2021 10:40
	Standard Methods 18th Ed. 2580 B Field				09/01/2021 10:40
	Standard Methods 2510 B Field				09/01/2021 10:40
	Standard Methods 2540 C (Total) 1997, 2011				09/07/2021 16:31
	Standard Methods 2550 B Field				09/01/2021 10:40
	Standard Methods 4500-O G Field				09/01/2021 10:40
	SW-846 9036 (Total)				09/07/2021 20:07
	SW-846 9214 (Total)				09/02/2021 13:30
	SW-846 9251 (Total)				09/07/2021 19:49
21080599-006C	141MW-12	09/01/2021 10:40	09/02/2021 7:50		
	SW-846 3005A, 6010B, Metals by ICP (Total)			09/08/2021 7:29	09/08/2021 20:28
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/08/2021 7:21	09/10/2021 7:55
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/08/2021 7:21	09/10/2021 9:08
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/08/2021 7:21	09/10/2021 17:47
	SW-846 7470A (Total)			09/07/2021 11:57	09/08/2021 12:36
21080599-007A	141MW-1	09/01/2021 12:43	09/02/2021 7:50		
	Standard Methods 2320 B (Total) 1997, 2011				09/02/2021 12:48
	Standard Methods 2320 B 1997, 2011				09/02/2021 12:48
21080599-007B	141MW-1	09/01/2021 12:43	09/02/2021 7:50		
	Field Elevation Measurements				09/01/2021 12:43
	Standard Method 4500-H B 2001 Field				09/01/2021 12:43
	Standard Methods 2130 B Field				09/01/2021 12:43
	Standard Methods 18th Ed. 2580 B Field				09/01/2021 12:43
	Standard Methods 2510 B Field				09/01/2021 12:43
	Standard Methods 2540 C (Total) 1997, 2011				09/07/2021 16:31
	Standard Methods 2550 B Field				09/01/2021 12:43
	Standard Methods 4500-O G Field				09/01/2021 12:43
	SW-846 9036 (Total)				09/07/2021 20:15
	SW-846 9214 (Total)				09/02/2021 13:31
	SW-846 9251 (Total)				09/07/2021 20:10
21080599-007C	141MW-1	09/01/2021 12:43	09/02/2021 7:50		
	SW-846 3005A, 6010B, Metals by ICP (Total)			09/08/2021 7:29	09/08/2021 20:32
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/08/2021 7:21	09/10/2021 8:04
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/08/2021 7:21	09/10/2021 9:16
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/08/2021 7:21	09/10/2021 17:50
	SW-846 7470A (Total)			09/07/2021 11:57	09/08/2021 12:39
21080599-008A	141MW-2	09/01/2021 13:14	09/02/2021 7:50		

Client: Ramboll **Work Order:** 21080599

Client Project: Kincaid Ash Pond CCR 141 **Report Date:** 17-Sep-21

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			**Prep Date/Time**	**Analysis Date/Time**
	Standard Methods 2320 B (Total) 1997, 2011				09/02/2021 12:53
	Standard Methods 2320 B 1997, 2011				09/02/2021 12:53
21080599-008B	141MW-2	09/01/2021 13:14	09/02/2021 7:50		
	Field Elevation Measurements				09/01/2021 13:14
	Standard Method 4500-H B 2001 Field				09/01/2021 13:14
	Standard Methods 2130 B Field				09/01/2021 13:14
	Standard Methods 18th Ed. 2580 B Field				09/01/2021 13:14
	Standard Methods 2510 B Field				09/01/2021 13:14
	Standard Methods 2540 C (Total) 1997, 2011				09/07/2021 16:31
	Standard Methods 2550 B Field				09/01/2021 13:14
	Standard Methods 4500-O G Field				09/01/2021 13:14
	SW-846 9036 (Total)				09/07/2021 20:24
	SW-846 9214 (Total)				09/02/2021 13:33
	SW-846 9251 (Total)				09/07/2021 20:18
21080599-008C	141MW-2	09/01/2021 13:14	09/02/2021 7:50		
	SW-846 3005A, 6010B, Metals by ICP (Total)			09/08/2021 7:29	09/08/2021 20:36
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/08/2021 7:21	09/10/2021 8:12
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/08/2021 7:21	09/10/2021 9:23
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/08/2021 7:21	09/10/2021 17:53
	SW-846 7470A (Total)			09/07/2021 11:57	09/08/2021 12:41
21080599-009A	141MW-8 Duplicate	09/01/2021 11:20	09/02/2021 7:50		
	Standard Methods 2320 B (Total) 1997, 2011				09/02/2021 12:59
	Standard Methods 2320 B 1997, 2011				09/02/2021 12:59
21080599-009B	141MW-8 Duplicate	09/01/2021 11:20	09/02/2021 7:50		
	Field Elevation Measurements				09/01/2021 11:20
	Standard Method 4500-H B 2001 Field				09/01/2021 11:20
	Standard Methods 2130 B Field				09/01/2021 11:20
	Standard Methods 18th Ed. 2580 B Field				09/01/2021 11:20
	Standard Methods 2510 B Field				09/01/2021 11:20
	Standard Methods 2540 C (Total) 1997, 2011				09/07/2021 17:11
	Standard Methods 2550 B Field				09/01/2021 11:20
	Standard Methods 4500-O G Field				09/01/2021 11:20
	SW-846 9036 (Total)				09/07/2021 20:31
	SW-846 9214 (Total)				09/02/2021 13:35
	SW-846 9251 (Total)				09/07/2021 20:26
21080599-009C	141MW-8 Duplicate	09/01/2021 11:20	09/02/2021 7:50		
	SW-846 3005A, 6010B, Metals by ICP (Total)			09/08/2021 7:29	09/08/2021 20:39

Client: Ramboll **Work Order:** 21080599

Client Project: Kincaid Ash Pond CCR 141 **Report Date:** 17-Sep-21

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			**Prep Date/Time**	**Analysis Date/Time**
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/08/2021 7:21	09/10/2021 8:21
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/08/2021 7:21	09/10/2021 9:31
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/08/2021 7:21	09/10/2021 17:56
	SW-846 7470A (Total)			09/07/2021 11:57	09/08/2021 12:43
21080599-010A	Field Blank	09/01/2021 11:12	09/02/2021 7:50		
	Standard Methods 2320 B (Total) 1997, 2011				09/02/2021 13:05
	Standard Methods 2320 B 1997, 2011				09/02/2021 13:05
21080599-010B	Field Blank	09/01/2021 11:12	09/02/2021 7:50		
	Standard Methods 2540 C (Total) 1997, 2011				09/07/2021 17:11
	SW-846 9036 (Total)				09/07/2021 20:34
	SW-846 9214 (Total)				09/02/2021 13:37
	SW-846 9251 (Total)				09/07/2021 20:34
21080599-010C	Field Blank	09/01/2021 11:12	09/02/2021 7:50		
	SW-846 3005A, 6010B, Metals by ICP (Total)			09/08/2021 7:29	09/08/2021 20:43
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/08/2021 7:21	09/10/2021 8:30
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/08/2021 7:21	09/10/2021 9:39
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/08/2021 7:21	09/10/2021 18:12
	SW-846 7470A (Total)			09/07/2021 11:57	09/08/2021 12:45
21080599-011A	141MW-3	09/01/2021 12:06	09/02/2021 7:50		
	Field Elevation Measurements				09/01/2021 12:06
21080599-012A	141MW-4	09/01/2021 12:04	09/02/2021 7:50		
	Field Elevation Measurements				09/01/2021 12:04
21080599-013A	141MW-9	09/01/2021 13:22	09/02/2021 7:50		
	Field Elevation Measurements				09/01/2021 13:22
21080599-014A	141MW-10	09/01/2021 13:26	09/02/2021 7:50		
	Field Elevation Measurements				09/01/2021 13:26
21080599-015A	KI_141_AP1_Source Water	09/01/2021 11:41	09/02/2021 7:50		
	Standard Methods 2320 B (Total) 1997, 2011				09/02/2021 13:10
	Standard Methods 2320 B 1997, 2011				09/02/2021 13:10
21080599-015B	KI_141_AP1_Source Water	09/01/2021 11:41	09/02/2021 7:50		
	Field Elevation Measurements				09/01/2021 11:41
	Standard Method 4500-H B 2001 Field				09/01/2021 11:41
	Standard Methods 2130 B Field				09/01/2021 11:41
	Standard Methods 18th Ed. 2580 B Field				09/01/2021 11:41
	Standard Methods 2510 B Field				09/01/2021 11:41
	Standard Methods 2540 C (Total) 1997, 2011				09/07/2021 17:11

Client: Ramboll **Work Order:** 21080599

Client Project: Kincaid Ash Pond CCR 141 **Report Date:** 17-Sep-21

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			**Prep Date/Time**	**Analysis Date/Time**
	Standard Methods 2550 B Field				09/01/2021 11:41
	Standard Methods 4500-O G Field				09/01/2021 11:41
	SW-846 9036 (Total)				09/09/2021 16:30
	SW-846 9214 (Total)				09/02/2021 13:39
	SW-846 9251 (Total)				09/07/2021 20:37
21080599-015C	KI_141_AP1_Source Water	09/01/2021 11:41	09/02/2021 7:50		
	SW-846 3005A, 6010B, Metals by ICP (Total)			09/09/2021 8:46	09/09/2021 16:27
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/09/2021 8:46	09/13/2021 21:34
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/09/2021 8:46	09/14/2021 16:36
	SW-846 7470A (Total)			09/07/2021 11:57	09/08/2021 12:48

Client: Ramboll **Work Order:** 21080599

Client Project: Kincaid Ash Pond CCR 141 **Report Date:** 17-Sep-21

STANDARD METHOD 4500-H B 2001 FIELD

Batch R298998 **SampType:** LCS Units

SampID: LCS-R298998

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.06**	7.000	0	100.9	98.57	101.4	09/01/2021

STANDARD METHODS 2510 B FIELD

Batch R298998 **SampType:** LCS Units **µS/cm**

SampID: LCS-R298998

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1320**	1409	0	94.0	90	110	09/01/2021

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R298664 **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	09/07/2021
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	09/07/2021

Batch R298664 **SampType:** LCS Units **mg/L**

SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**950**	1000	0	95.0	90	110	09/07/2021
Total Dissolved Solids		20		**942**	1000	0	94.2	90	110	09/07/2021

Batch R298664 **SampType:** DUP Units **mg/L** RPD Limit: **5**

SampID: 21080599-002BDUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**488**				498.0	2.03	09/07/2021

Batch R298664 **SampType:** DUP Units **mg/L** RPD Limit: **5**

SampID: 21080599-015BDUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**528**				544.0	2.99	09/07/2021

SW-846 9036 (TOTAL)

Batch R298662 **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	09/07/2021

Client: Ramboll **Work Order:** 21080599

Client Project: Kincaid Ash Pond CCR 141 **Report Date:** 17-Sep-21

SW-846 9036 (TOTAL)

Batch R298662 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**20**	20.00	0	97.5	90	110	09/07/2021

Batch R298662 **SampType:** MS Units **mg/L**
SampID: 21080599-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**28**	20.00	9.370	92.0	85	115	09/07/2021

Batch R298662 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 21080599-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10		**28**	20.00	9.370	94.3	27.76	1.68	09/07/2021

Batch R298662 **SampType:** MS Units **mg/L**
SampID: 21080599-005BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50		**216**	100.0	110.1	106.2	85	115	09/07/2021

Batch R298662 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 21080599-005BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		50		**211**	100.0	110.1	100.6	216.2	2.63	09/07/2021

Batch R298761 **SampType:** MBLK Units **mg/L**
SampID: MBLK/ICB

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**< 10**	6.140	0	0	-100	100	09/09/2021

Batch R298761 **SampType:** LCS Units **mg/L**
SampID: LCS/ICV

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**19**	20.00	0	94.1	90	110	09/09/2021

Client: Ramboll **Work Order:** 21080599

Client Project: Kincaid Ash Pond CCR 141 **Report Date:** 17-Sep-21

SW-846 9214 (TOTAL)

Batch R298485 **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	09/02/2021

Batch R298485 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**0.96**	1.000	0	95.5	90	110	09/02/2021

Batch R298485 **SampType:** MS Units **mg/L**
SampID: 21080599-003BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.38**	2.000	0.2610	105.8	75	125	09/02/2021

Batch R298485 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 21080599-003BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.41**	2.000	0.2610	107.6	2.378	1.42	09/02/2021

Batch R298485 **SampType:** MS Units **mg/L**
SampID: 21080599-015BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.81**	2.000	0.6720	107.0	75	125	09/02/2021

Batch R298485 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 21080599-015BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.79**	2.000	0.6720	106.1	2.811	0.61	09/02/2021

SW-846 9251 (TOTAL)

Batch R298663 **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		1		**< 1**	0.5000	0	0	-100	100	09/07/2021

Client: Ramboll **Work Order:** 21080599

Client Project: Kincaid Ash Pond CCR 141 **Report Date:** 17-Sep-21

SW-846 9251 (TOTAL)

Batch R298663 **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		1		**21**	20.00	0	102.7	90	110	09/07/2021

Batch R298663 **SampType:** MS Units **mg/L**
SampID: 21080599-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		2		**84**	40.00	46.88	93.2	85	115	09/07/2021

Batch R298663 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 21080599-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		2		**84**	40.00	46.88	91.8	84.18	0.70	09/07/2021

Batch R298663 **SampType:** MS Units **mg/L**
SampID: 21080599-005BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		5		**133**	100.0	37.53	95.5	85	115	09/07/2021

Batch R298663 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 21080599-005BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		5		**131**	100.0	37.53	93.5	133.0	1.52	09/07/2021

Batch R298762 **SampType:** MBLK Units **mg/L**
SampID: MBLK/ICB

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		1		**< 1**	0.5000	0	0	-100	100	09/09/2021

Batch R298762 **SampType:** LCS Units **mg/L**
SampID: LCS/ICV

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		1		**20**	20.00	0	102.3	90	110	09/09/2021

Client: Ramboll **Work Order:** 21080599

Client Project: Kincaid Ash Pond CCR 141 **Report Date:** 17-Sep-21

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

Batch 181572 **SampType:** MBLK Units **mg/L**

SampID: MBLK-181572

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	09/08/2021
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	09/08/2021
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	09/08/2021

Batch 181572 **SampType:** LCS Units **mg/L**

SampID: LCS-181572

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Magnesium		0.0500		**2.66**	2.500	0	106.2	85	115	09/08/2021
Potassium		0.100		**2.50**	2.500	0	99.9	85	115	09/08/2021
Sodium		0.0500		**2.33**	2.500	0	93.2	85	115	09/08/2021

Batch 181572 **SampType:** MS Units **mg/L**

SampID: 21080599-005CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Magnesium		0.050		**55.4**	2.500	52.57	115.2	75	125	09/08/2021
Potassium		0.100		**3.58**	2.500	0.9716	104.3	75	125	09/08/2021
Sodium		0.050		**44.6**	2.500	41.91	105.6	75	125	09/08/2021

Batch 181572 **SampType:** MSD Units **mg/L** RPD Limit: **20**

SampID: 21080599-005CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Magnesium		0.050		**55.2**	2.500	52.57	104.4	55.45	0.49	09/08/2021
Potassium		0.100		**3.55**	2.500	0.9716	103.2	3.579	0.76	09/08/2021
Sodium		0.050		**44.4**	2.500	41.91	97.6	44.55	0.45	09/08/2021

Batch 181623 **SampType:** MBLK Units **mg/L**

SampID: MBLK-181623

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	09/09/2021
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	09/09/2021
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	09/09/2021
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	09/09/2021
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	09/09/2021
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	09/09/2021

Client: Ramboll **Work Order:** 21080599

Client Project: Kincaid Ash Pond CCR 141 **Report Date:** 17-Sep-21

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

Batch 181623 **SampType:** LCS Units **mg/L**

SampID: LCS-181623

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Magnesium		0.0500		**2.67**	2.500	0	107.0	85	115	09/09/2021
Magnesium		0.0500		**2.55**	2.500	0	102.2	85	115	09/09/2021
Potassium		0.100		**2.50**	2.500	0	100.0	85	115	09/09/2021
Potassium		0.100		**2.60**	2.500	0	104.0	85	115	09/09/2021
Sodium		0.0500		**2.48**	2.500	0	99.4	85	115	09/09/2021
Sodium		0.0500		**2.38**	2.500	0	95.2	85	115	09/09/2021

Batch 181623 **SampType:** MS Units **mg/L**

SampID: 21080599-015CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Magnesium		0.050		**31.7**	2.500	29.35	93.2	75	125	09/09/2021
Potassium		0.100	E	**10.5**	2.500	8.198	92.5	75	125	09/09/2021
Sodium		0.050		**75.8**	2.500	73.19	105.2	75	125	09/09/2021

Batch 181623 **SampType:** MSD Units **mg/L** RPD Limit: **20**

SampID: 21080599-015CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Magnesium		0.050		**32.5**	2.500	29.35	124.8	31.68	2.46	09/09/2021
Potassium		0.100	E	**10.8**	2.500	8.198	102.1	10.51	2.26	09/09/2021
Sodium		0.050	S	**77.3**	2.500	73.19	165.6	75.82	1.97	09/09/2021

Client: Ramboll **Work Order:** 21080599

Client Project: Kincaid Ash Pond CCR 141 **Report Date:** 17-Sep-21

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

Batch 181571 **SampType:** MBLK Units µg/L

SampID: MBLK-181571

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	09/10/2021
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	09/10/2021
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	09/10/2021
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	09/10/2021
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	09/10/2021
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	09/10/2021
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	09/10/2021
Calcium		125		**< 125**	70.00	0	0	-100	100	09/10/2021
Calcium		125		**< 125**	70.00	0	0	-100	100	09/10/2021
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	09/10/2021
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	09/10/2021
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	09/10/2021
Lithium	*	3.0		**< 3.0**	1.450	0	0	-100	100	09/10/2021
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	09/10/2021
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	09/10/2021
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	09/10/2021

Batch 181571 **SampType:** LCS Units µg/L

SampID: LCS-181571

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**437**	500.0	0	87.5	80	120	09/10/2021
Arsenic		1.0		**500**	500.0	0	100.0	80	120	09/10/2021
Barium		1.0		**1910**	2000	0	95.7	80	120	09/10/2021
Beryllium		1.0		**46.9**	50.00	0	93.8	80	120	09/10/2021
Boron		25.0		**494**	500.0	0	98.7	80	120	09/10/2021
Cadmium		1.0		**50.2**	50.00	0	100.5	80	120	09/10/2021
Calcium		125		**2340**	2500	0	93.7	80	120	09/10/2021
Chromium		1.5		**187**	200.0	0	93.3	80	120	09/10/2021
Cobalt		1.0		**522**	500.0	0	104.3	80	120	09/10/2021
Lead		1.0		**448**	500.0	0	89.5	80	120	09/10/2021
Lithium	*	3.0		**479**	500.0	0	95.9	80	120	09/10/2021
Molybdenum		1.5		**449**	500.0	0	89.7	80	120	09/10/2021
Selenium		1.0		**475**	500.0	0	94.9	80	120	09/10/2021
Thallium		2.0		**240**	250.0	0	96.1	80	120	09/10/2021

Client: Ramboll **Work Order:** 21080599

Client Project: Kincaid Ash Pond CCR 141 **Report Date:** 17-Sep-21

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

Batch 181571 **SampType:** MS Units **µg/L**

SampID: 21080599-005CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**491**	500.0	0	98.1	75	125	09/10/2021
Arsenic		1.0		**523**	500.0	1.317	104.3	75	125	09/10/2021
Barium		1.0		**2090**	2000	127.4	98.0	75	125	09/10/2021
Beryllium		1.0		**48.0**	50.00	0	96.1	75	125	09/10/2021
Boron		25.0		**2050**	500.0	1556	99.5	75	125	09/10/2021
Cadmium		1.0		**48.1**	50.00	0	96.1	75	125	09/10/2021
Calcium		125		**117000**	2500	114500	79.8	75	125	09/10/2021
Chromium		1.5		**185**	200.0	0	92.5	75	125	09/10/2021
Cobalt		1.0		**495**	500.0	0.3877	98.8	75	125	09/10/2021
Lead		1.0		**519**	500.0	0	103.7	75	125	09/10/2021
Lithium	*	3.0		**481**	500.0	2.205	95.8	75	125	09/10/2021
Molybdenum		1.5		**513**	500.0	2.163	102.1	75	125	09/10/2021
Selenium		1.0		**473**	500.0	0	94.6	75	125	09/10/2021
Thallium		2.0		**241**	250.0	0	96.4	75	125	09/10/2021

Batch 181571 **SampType:** MSD Units **µg/L** RPD Limit: **20**

SampID: 21080599-005CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		1.0		**484**	500.0	0	96.9	490.6	1.27	09/10/2021
Arsenic		1.0		**518**	500.0	1.317	103.4	522.9	0.91	09/10/2021
Barium		1.0		**2020**	2000	127.4	94.8	2088	3.15	09/10/2021
Beryllium		1.0		**48.7**	50.00	0	97.4	48.03	1.41	09/10/2021
Boron		25.0		**2030**	500.0	1556	95.0	2054	1.09	09/10/2021
Cadmium		1.0		**47.7**	50.00	0	95.5	48.06	0.68	09/10/2021
Calcium		125	S	**116000**	2500	114500	74.9	116500	0.11	09/10/2021
Chromium		1.5		**184**	200.0	0	92.2	185.0	0.25	09/10/2021
Cobalt		1.0		**488**	500.0	0.3877	97.5	494.6	1.39	09/10/2021
Lead		1.0		**508**	500.0	0	101.7	518.6	2.01	09/10/2021
Lithium	*	3.0		**482**	500.0	2.205	96.0	481.3	0.16	09/10/2021
Molybdenum		1.5		**505**	500.0	2.163	100.5	512.9	1.58	09/10/2021
Selenium		1.0		**465**	500.0	0	93.0	472.9	1.66	09/10/2021
Thallium		2.0		**236**	250.0	0	94.6	241.1	1.96	09/10/2021

Client: Ramboll **Work Order:** 21080599

Client Project: Kincaid Ash Pond CCR 141 **Report Date:** 17-Sep-21

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

Batch 181625 **SampType:** MBLK Units µg/L

SampID: MBLK-181625

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	09/13/2021
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	09/13/2021
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	09/13/2021
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	09/13/2021
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	09/14/2021
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	09/13/2021
Calcium		125		**< 125**	70.00	0	0	-100	100	09/13/2021
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	09/13/2021
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	09/13/2021
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	09/13/2021
Lithium	*	3.0		**< 3.0**	1.450	0	0	-100	100	09/13/2021
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	09/13/2021
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	09/13/2021
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	09/13/2021

Batch 181625 **SampType:** LCS Units µg/L

SampID: LCS-181625

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**518**	500.0	0	103.5	80	120	09/13/2021
Arsenic		1.0		**550**	500.0	0	110.0	80	120	09/13/2021
Barium		1.0		**2030**	2000	0	101.3	80	120	09/13/2021
Beryllium		1.0		**50.9**	50.00	0	101.9	80	120	09/13/2021
Boron		25.0		**523**	500.0	0	104.6	80	120	09/14/2021
Cadmium		1.0		**52.5**	50.00	0	105.0	80	120	09/13/2021
Calcium		125		**2380**	2500	0	95.2	80	120	09/13/2021
Chromium		1.5		**205**	200.0	0	102.6	80	120	09/13/2021
Cobalt		1.0		**532**	500.0	0	106.4	80	120	09/13/2021
Lead		1.0		**510**	500.0	0	101.9	80	120	09/13/2021
Lithium	*	3.0		**528**	500.0	0	105.5	80	120	09/13/2021
Molybdenum		1.5		**521**	500.0	0	104.1	80	120	09/13/2021
Selenium		1.0		**519**	500.0	0	103.7	80	120	09/13/2021
Thallium		2.0		**237**	250.0	0	95.0	80	120	09/13/2021

Client: Ramboll **Work Order:** 21080599

Client Project: Kincaid Ash Pond CCR 141 **Report Date:** 17-Sep-21

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

Batch 181625 **SampType:** MS Units **µg/L**

SampID: 21080599-015CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**495**	500.0	0	98.9	75	125	09/13/2021
Arsenic		1.0		**528**	500.0	1.668	105.2	75	125	09/13/2021
Barium		1.0		**2150**	2000	245.7	95.1	75	125	09/13/2021
Beryllium		1.0		**48.4**	50.00	0	96.9	75	125	09/13/2021
Boron		25.0		**1940**	500.0	1376	113.3	75	125	09/14/2021
Cadmium		1.0		**49.0**	50.00	0	98.0	75	125	09/13/2021
Calcium		125	S	**63200**	2500	70310	-286.2	75	125	09/13/2021
Chromium		1.5		**195**	200.0	0.8589	97.1	75	125	09/13/2021
Cobalt		1.0		**507**	500.0	0.1577	101.4	75	125	09/13/2021
Lead		1.0		**498**	500.0	0	99.6	75	125	09/13/2021
Lithium	*	3.0		**513**	500.0	18.88	98.9	75	125	09/13/2021
Molybdenum		1.5		**522**	500.0	14.37	101.6	75	125	09/13/2021
Selenium		1.0		**476**	500.0	0	95.2	75	125	09/13/2021
Thallium		2.0		**238**	250.0	2.141	94.2	75	125	09/13/2021

Batch 181625 **SampType:** MSD Units **µg/L** RPD Limit: **20**

SampID: 21080599-015CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		1.0		**496**	500.0	0	99.2	494.5	0.33	09/13/2021
Arsenic		1.0		**534**	500.0	1.668	106.4	527.9	1.10	09/13/2021
Barium		1.0		**2140**	2000	245.7	94.7	2148	0.34	09/13/2021
Beryllium		1.0		**49.1**	50.00	0	98.2	48.43	1.36	09/13/2021
Boron		25.0		**1950**	500.0	1376	114.7	1942	0.37	09/14/2021
Cadmium		1.0		**49.5**	50.00	0	98.9	49.02	0.90	09/13/2021
Calcium		125	S	**64000**	2500	70310	-253.4	63160	1.29	09/13/2021
Chromium		1.5		**199**	200.0	0.8589	99.1	195.0	2.00	09/13/2021
Cobalt		1.0		**510**	500.0	0.1577	102.0	507.1	0.62	09/13/2021
Lead		1.0		**498**	500.0	0	99.5	497.8	0.05	09/13/2021
Lithium	*	3.0		**528**	500.0	18.88	101.8	513.3	2.79	09/13/2021
Molybdenum		1.5		**526**	500.0	14.37	102.3	522.3	0.71	09/13/2021
Selenium		1.0		**482**	500.0	0	96.3	476.1	1.18	09/13/2021
Thallium		2.0		**238**	250.0	2.141	94.5	237.7	0.30	09/13/2021

Client: Ramboll **Work Order:** 21080599

Client Project: Kincaid Ash Pond CCR 141 **Report Date:** 17-Sep-21

SW-846 7470A (TOTAL)

Batch 181545 **SampType:** MBLK Units **µg/L**

SampID: MBLK-181545

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	09/08/2021

Batch 181545 **SampType:** LCS Units **µg/L**

SampID: LCS-181545

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.71**	5.000	0	94.3	85	115	09/08/2021

Batch 181545 **SampType:** MS Units **µg/L**

SampID: 21080599-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.21**	5.000	0	84.1	75	125	09/08/2021

Batch 181545 **SampType:** MSD Units **µg/L** RPD Limit: **15**

SampID: 21080599-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**4.20**	5.000	0	84.1	4.207	0.09	09/08/2021

Receiving Check List

http://www.teklabinc.com/

Client: Ramboll
Work Order: 21080599
Client Project: Kincaid Ash Pond CCR 141
Report Date: 17-Sep-21

Carrier: Joseph Riley
Received By: PRY

Completed by: Mary E. Kemp
On: 02-Sep-21
Mary E. Kemp

Reviewed by: Elizabeth A. Hurley
On: 02-Sep-21
Elizabeth A. Hurley

Pages to follow: Chain of custody 2 Extra pages included 0

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C 2.8
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 #77492. - PRY/MKemp - 9/2/2021 9:31:48 AM

Samples were collected on 9/1/21 rather than 9/1/31. - ehurley - 9/2/2021 9:41:36 AM

CHAIN OF CUSTODY

pg. 1 of 2 Work order # 21080599

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

Client:	Ramboll
Address:	234 W. Florida St.
City / State / Zip	Milwaukee, WI 53204
Contact:	Steve Wiskes — **Phone:** (414) 837-3607
E-Mail:	steve.wiskes@ramboll.com — **Fax:**

Samples on: [X] ICE [ ] BLUE ICE [ ] NO ICE 2 & 8 °C LTG# 1

Preserved in: [ ] LAB [X] FIELD

FOR LAB USE ONLY

Lab Notes: PHV 79492, Pat 9/2/21

Are these samples known to be involved in litigation? If yes, a surcharge will apply [ ] Yes [X] No

Are these samples known to be hazardous? [ ] Yes [X] No

Are there any required reporting limits to be met on the requested analysis?. If yes, please provide limits in the comment section. [ ] Yes [X] No

Client Comments

Total Metals: 7470A Hg, ICP 6010B Mg K Na, and ICP/MS 6020A Sb As Ba Be B Ca Cd Cr Co Pb Li Mo Se Tl

All collected 9/1/2021. Pat 9/2/21

Project Name/Number	Sample Collector's Name
Kincaid Ash Pond CCR 141	J. RILEY P. RILEY

Results Requested: [X] Standard [ ] 1-2 Day (100% Surcharge) [ ] Other ____ [ ] 3 Day (50% Surcharge)

Billing Instructions:

Lab Use Only	Sample Identification	Date/Time Sampled	# and Type of Containers: UNP	HNO3	MATRIX: Groundwater	Bicarb/Carb	Chloride 9251	Field Conductivity SM 2510-B	Field DO SM 4500-O	Field ORP SM 2580-B	Field pH SM 4500-H+B	Field Temperature SM 2550	Field Turbidity SM 2130-B	Fluoride 9214	GW Elevations	Sulfate 9036	TDS SM 2540C	Total Metals
21080599-001	141MW-5	9/1/21 1154	2	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X
002	141MW-6	9/1/21 1059	2	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X
003	141MW-7	9/1/21 1011	2	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X
004	141MW-8	9/1/21 1120	2	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X
005	141MW-11	9/1/21 1221	2	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X
006	141MW-12	9/1/21 1040	2	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X
007	141MW-1	9/1/21 1243	2	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X
008	141MW-2	9/1/21 1314	2	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X
009	141MW-8 Duplicate	9/1/21 1128	2	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X
010	Field Blank	9/1/21 1112	2	1	X	X	X							X		X	X	X

Relinquished By	Date/Time	Received By	Date/Time
	9/2/21 0750		9/2/21 0750

The individual signing this agreement on behalf of the client, acknowledges that he/she has read and understands the terms and conditions of this agreement, and that he/she has the authority to sign on behalf of the client. See www.teklabinc.com for terms and conditions.

BottleOrder: 67118 F5839781A 292B2B7A5

Pat 9/2/21

CHAIN OF CUSTODY

pg. 2 of 2 Work order # 21080599

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

Client:	Ramboll
Address:	234 W. Florida St.
City / State / Zip	Milwaukee, WI 53204
Contact:	Steve Wiskes
Phone:	(414) 837-3607
E-Mail:	steve.wiskes@ramboll.com
Fax:	

Samples on: ☑ ICE ☐ BLUE ICE ☐ NO ICE 2.8 °C LTG# 1

Preserved in: ☐ LAB ☐ FIELD

FOR LAB USE ONLY

Lab Notes:

Are these samples known to be involved in litigation? If yes, a surcharge will apply ☐ Yes ☐ No

Are these samples known to be hazardous? ☐ Yes ☐ No

Are there any required reporting limits to be met on the requested analysis?. If yes, please provide limits in the comment section. ☐ Yes ☐ No

Client Comments

Total Metals: 7470A Hg, ICP 6010B Mg K Na, and ICP/MS 6020A Sb As Ba Be B Ca Cd Cr Co Pb Li Mo Se Tl

Project Name/Number	Sample Collector's Name
Kincaid Ash Pond CCR 141	

Results Requested

☐ Standard ☐ 1-2 Day (100% Surcharge) ☐ Other ____ ☐ 3 Day (50% Surcharge)

Billing Instructions

Lab Use Only	Sample Identification	Date/Time Sampled	# and Type of Containers: UNP	HNO3	MATRIX: Groundwater	Bicarb/Carb	Chloride 9251	Field Conductivity SM 2510-B	Field DO SM 4500-O	Field ORP SM 2580-B	Field pH SM 4500-H+B	Field Temperature SM 2550	Field Turbidity SM 2130-B	Fluoride 9214	GW Elevations	Sulfate 9036	TDS SM 2540C	Total Metals
21080599-011	141MW-3	9/1/21 1206	0		X										X			
012	141MW-4	9/1/21 1204	0		X										X			
013	141MW-9	9/1/21 1322	0		X										X			
014	141MW-10	9/1/21 1326	0		X										X			
015	KI_141_AP1_Source Water	9/1/21 1141	2	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Relinquished By	Date/Time	Received By	Date/Time
	9/2/21 0750		9/2/21 0750

The individual signing this agreement on behalf of the client, acknowledges that he/she has read and understands the terms and conditions of this agreement, and that he/she has the authority to sign on behalf of the client. See www.teklabinc.com for terms and conditions.

BottleOrder: 67118

F5839781A
292B2B7A5
C5

September 24, 2021

Steve Wiskes
Ramboll
234 W. Florida St.
5th Floor
Milwaukee, WI 53204
TEL: (414) 837-3614
FAX:

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

RE: Kincaid Ash Pond CCR 141 **WorkOrder:** 21080600

Dear Steve Wiskes:

TEKLAB, INC received 10 samples on 9/2/2021 7:50:00 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
Project Manager
(618)344-1004 ex 33
ehurley@teklabinc.com

Report Contents

Client: Ramboll
Work Order: 21080600
Client Project: Kincaid Ash Pond CCR 141
Report Date: 24-Sep-21

This reporting package includes the following:

Client: Ramboll **Work Order:** 21080600

Client Project: Kincaid Ash Pond CCR 141 **Report Date:** 24-Sep-21

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:** 21080600

Client Project: Kincaid Ash Pond CCR 141 **Report Date:** 24-Sep-21

Qualifiers

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

Case Narrative

http://www.teklabinc.com/

Client: Ramboll
Work Order: 21080600
Client Project: Kincaid Ash Pond CCR 141
Report Date: 24-Sep-21

Cooler Receipt Temp: 2.8 °C

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

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

Springfield

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

Kansas City

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

Collinsville Air

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

Chicago

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

Client: Ramboll **Work Order:** 21080600

Client Project: Kincaid Ash Pond CCR 141 **Report Date:** 24-Sep-21

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2022	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2022	Collinsville
Louisiana	LDEQ	05002	NELAP	6/30/2022	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2022	Collinsville
Oklahoma	ODEQ	9978	NELAP	8/31/2022	Collinsville
Arkansas	ADEQ	88-0966		3/14/2022	Collinsville
Illinois	IDPH	17584		5/31/2021	Collinsville
Kentucky	UST	0073		1/31/2022	Collinsville
Missouri	MDNR	00930		5/31/2021	Collinsville
Missouri	MDNR	930		1/31/2022	Collinsville

Client: Ramboll **Work Order:** 21080600

Client Project: Kincaid Ash Pond CCR 141 **Report Date:** 24-Sep-21

Lab ID: 21080600-001 **Client Sample ID:** 141MW-5

Matrix: GROUNDWATER **Collection Date:** 09/01/2021 11:54

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		**See Attached**	pci/L	1	09/15/2021 0:00	R299322
Radium-228	*	0		**See Attached**	pci/L	1	09/15/2021 0:00	R299322

Client: Ramboll **Work Order:** 21080600

Client Project: Kincaid Ash Pond CCR 141 **Report Date:** 24-Sep-21

Lab ID: 21080600-002 **Client Sample ID:** 141MW-6

Matrix: GROUNDWATER **Collection Date:** 09/01/2021 10:59

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		**See Attached**	pci/L	1	09/15/2021 0:00	R299322
Radium-228	*	0		**See Attached**	pci/L	1	09/15/2021 0:00	R299322

Client: Ramboll **Work Order:** 21080600

Client Project: Kincaid Ash Pond CCR 141 **Report Date:** 24-Sep-21

Lab ID: 21080600-003 **Client Sample ID:** 141MW-7

Matrix: GROUNDWATER **Collection Date:** 09/01/2021 10:11

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		**See Attached**	pci/L	1	09/15/2021 0:00	R299322
Radium-228	*	0		**See Attached**	pci/L	1	09/15/2021 0:00	R299322

Client: Ramboll **Work Order:** 21080600

Client Project: Kincaid Ash Pond CCR 141 **Report Date:** 24-Sep-21

Lab ID: 21080600-004 **Client Sample ID:** 141MW-8

Matrix: GROUNDWATER **Collection Date:** 09/01/2021 11:20

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		**See Attached**	pci/L	1	09/15/2021 0:00	R299322
Radium-228	*	0		**See Attached**	pci/L	1	09/15/2021 0:00	R299322

Client: Ramboll **Work Order:** 21080600

Client Project: Kincaid Ash Pond CCR 141 **Report Date:** 24-Sep-21

Lab ID: 21080600-005 **Client Sample ID:** 141MW-11

Matrix: GROUNDWATER **Collection Date:** 09/01/2021 13:21

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		**See Attached**	pci/L	1	09/15/2021 0:00	R299322
Radium-228	*	0		**See Attached**	pci/L	1	09/15/2021 0:00	R299322

Client: Ramboll **Work Order:** 21080600

Client Project: Kincaid Ash Pond CCR 141 **Report Date:** 24-Sep-21

Lab ID: 21080600-006 **Client Sample ID:** 141MW-12

Matrix: GROUNDWATER **Collection Date:** 09/01/2021 10:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		**See Attached**	pci/L	1	09/15/2021 0:00	R299322
Radium-228	*	0		**See Attached**	pci/L	1	09/15/2021 0:00	R299322

Client: Ramboll **Work Order:** 21080600

Client Project: Kincaid Ash Pond CCR 141 **Report Date:** 24-Sep-21

Lab ID: 21080600-007 **Client Sample ID:** 141MW-1

Matrix: GROUNDWATER **Collection Date:** 09/01/2021 12:43

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		**See Attached**	pci/L	1	09/15/2021 0:00	R299322
Radium-228	*	0		**See Attached**	pci/L	1	09/15/2021 0:00	R299322

Client: Ramboll **Work Order:** 21080600

Client Project: Kincaid Ash Pond CCR 141 **Report Date:** 24-Sep-21

Lab ID: 21080600-008 **Client Sample ID:** 141MW-2

Matrix: GROUNDWATER **Collection Date:** 09/01/2021 13:14

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		**See Attached**	pci/L	1	09/15/2021 0:00	R299322
Radium-228	*	0		**See Attached**	pci/L	1	09/15/2021 0:00	R299322

Client: Ramboll **Work Order:** 21080600

Client Project: Kincaid Ash Pond CCR 141 **Report Date:** 24-Sep-21

Lab ID: 21080600-009 **Client Sample ID:** Field Blank

Matrix: GROUNDWATER **Collection Date:** 09/01/2021 11:12

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		**See Attached**	pci/L	1	09/15/2021 0:00	R299322
Radium-228	*	0		**See Attached**	pci/L	1	09/15/2021 0:00	R299322

Client: Ramboll **Work Order:** 21080600

Client Project: Kincaid Ash Pond CCR 141 **Report Date:** 24-Sep-21

Lab ID: 21080600-010 **Client Sample ID:** KI_141_AP1_Source Water

Matrix: GROUNDWATER **Collection Date:** 09/01/2021 11:41

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		**See Attached**	pci/L	1	09/15/2021 0:00	R299322
Radium-228	*	0		**See Attached**	pci/L	1	09/15/2021 0:00	R299322

Client: Ramboll
Work Order: 21080600
Client Project: Kincaid Ash Pond CCR 141
Report Date: 24-Sep-21

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
21080600-001	141MW-5	Groundwater	1	09/01/2021 11:54
21080600-002	141MW-6	Groundwater	1	09/01/2021 10:59
21080600-003	141MW-7	Groundwater	1	09/01/2021 10:11
21080600-004	141MW-8	Groundwater	1	09/01/2021 11:20
21080600-005	141MW-11	Groundwater	1	09/01/2021 13:21
21080600-006	141MW-12	Groundwater	1	09/01/2021 10:40
21080600-007	141MW-1	Groundwater	1	09/01/2021 12:43
21080600-008	141MW-2	Groundwater	1	09/01/2021 13:14
21080600-009	Field Blank	Groundwater	1	09/01/2021 11:12
21080600-010	KI_141_AP1_Source Water	Groundwater	1	09/01/2021 11:41

Client: Ramboll **Work Order:** 21080600

Client Project: Kincaid Ash Pond CCR 141 **Report Date:** 24-Sep-21

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
21080600-001A	141MW-5	09/01/2021 11:54	09/02/2021 7:50		
	EPA 903.0/904.0, Radium 226/228				09/15/2021 0:00
21080600-002A	141MW-6	09/01/2021 10:59	09/02/2021 7:50		
	EPA 903.0/904.0, Radium 226/228				09/15/2021 0:00
21080600-003A	141MW-7	09/01/2021 10:11	09/02/2021 7:50		
	EPA 903.0/904.0, Radium 226/228				09/15/2021 0:00
21080600-004A	141MW-8	09/01/2021 11:20	09/02/2021 7:50		
	EPA 903.0/904.0, Radium 226/228				09/15/2021 0:00
21080600-005A	141MW-11	09/01/2021 13:21	09/02/2021 7:50		
	EPA 903.0/904.0, Radium 226/228				09/15/2021 0:00
21080600-006A	141MW-12	09/01/2021 10:40	09/02/2021 7:50		
	EPA 903.0/904.0, Radium 226/228				09/15/2021 0:00
21080600-007A	141MW-1	09/01/2021 12:43	09/02/2021 7:50		
	EPA 903.0/904.0, Radium 226/228				09/15/2021 0:00
21080600-008A	141MW-2	09/01/2021 13:14	09/02/2021 7:50		
	EPA 903.0/904.0, Radium 226/228				09/15/2021 0:00
21080600-009A	Field Blank	09/01/2021 11:12	09/02/2021 7:50		
	EPA 903.0/904.0, Radium 226/228				09/15/2021 0:00
21080600-010A	KI_141_AP1_Source Water	09/01/2021 11:41	09/02/2021 7:50		
	EPA 903.0/904.0, Radium 226/228				09/15/2021 0:00

Receiving Check List

http://www.teklabinc.com/

Client: Ramboll
Work Order: 21080600
Client Project: Kincaid Ash Pond CCR 141
Report Date: 24-Sep-21

Carrier: Joseph Riley
Received By: PRY

Completed by: Mary E. Kemp
On: 02-Sep-21
Mary E. Kemp

Reviewed by: Elizabeth A. Hurley
On: 02-Sep-21
Elizabeth A. Hurley

Pages to follow: Chain of custody 1 Extra pages included 21

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C 2.8
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 #77492. - PRY/MKemp - 9/2/2021 10:36:26 AM

CHAIN OF CUSTODY

pg. 1 of 1 Work order # 210801600

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

Client:	Ramboll
Address:	234 W. Florida St.
City / State / Zip	Milwaukee, WI 53204
Contact:	Steve Wiskes
Phone:	(414) 837-3607
E-Mail:	steve.wiskes@ramboll.com
Fax:	

Samples on: ☒ ICE ☐ BLUE ICE ☐ NO ICE 2.8 °C LTG# 1

Preserved in: ☐ LAB ☑ FIELD

FOR LAB USE ONLY

Lab Notes: PH✓ 77492, PM 9/2/21

Client Comments

Are these samples known to be involved in litigation? If yes, a surcharge will apply ☐ Yes ☒ No

Are these samples known to be hazardous? ☐ Yes ☒ No

Are there any required reporting limits to be met on the requested analysis?. If yes, please provide limits in the comment section. ☐ Yes ☒ No

Project Name/Number	Sample Collector's Name
Kincaid Ash Pond CCR 141	JRILEY PICKEY

Results Requested

☒ Standard ☐ 1-2 Day (100% Surcharge) ☐ Other ____ ☐ 3 Day (50% Surcharge)

Billing Instructions

Lab Use Only	Sample Identification	Date/Time Sampled	# and Type of Containers HNO3	MATRIX Groundwater	INDICATE ANALYSIS REQUESTED Sub Radium 226/228 EPA 903/904
210801600-001	141MW-5	9/1/21 1154	2	X	X
002	141MW-6	9/1/21 1059	2	X	X
003	141MW-7	9/1/21 1011	2	X	X
004	141MW-8	9/1/21 1120	2	X	X
005	141MW-11	9/1/21 1321	2	X	X
006	141MW-12	9/1/21 1040	2	X	X
007	141MW-1	9/1/21 1243	2	X	X
008	141MW-2	9/1/21 1314	2	X	X
009	Field Blank	9/1/21 1112	2	X	X
010	KI_141_AP1_Source Water	9/1/21 1141	2	X	X

Relinquished By	Date/Time	Received By	Date/Time
	9/2/21 0730		9/2/21 0750

The individual signing this agreement on behalf of the client, acknowledges that he/she has read and understands the terms and conditions of this agreement, and that he/she has the authority to sign on behalf of the client. See www.teklabinc.com for terms and conditions.

BottleOrder: 67118 F5839781A 292B2B7A5 C5

PM 9/2/21

ANALYTICAL REPORT

September 21, 2021

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

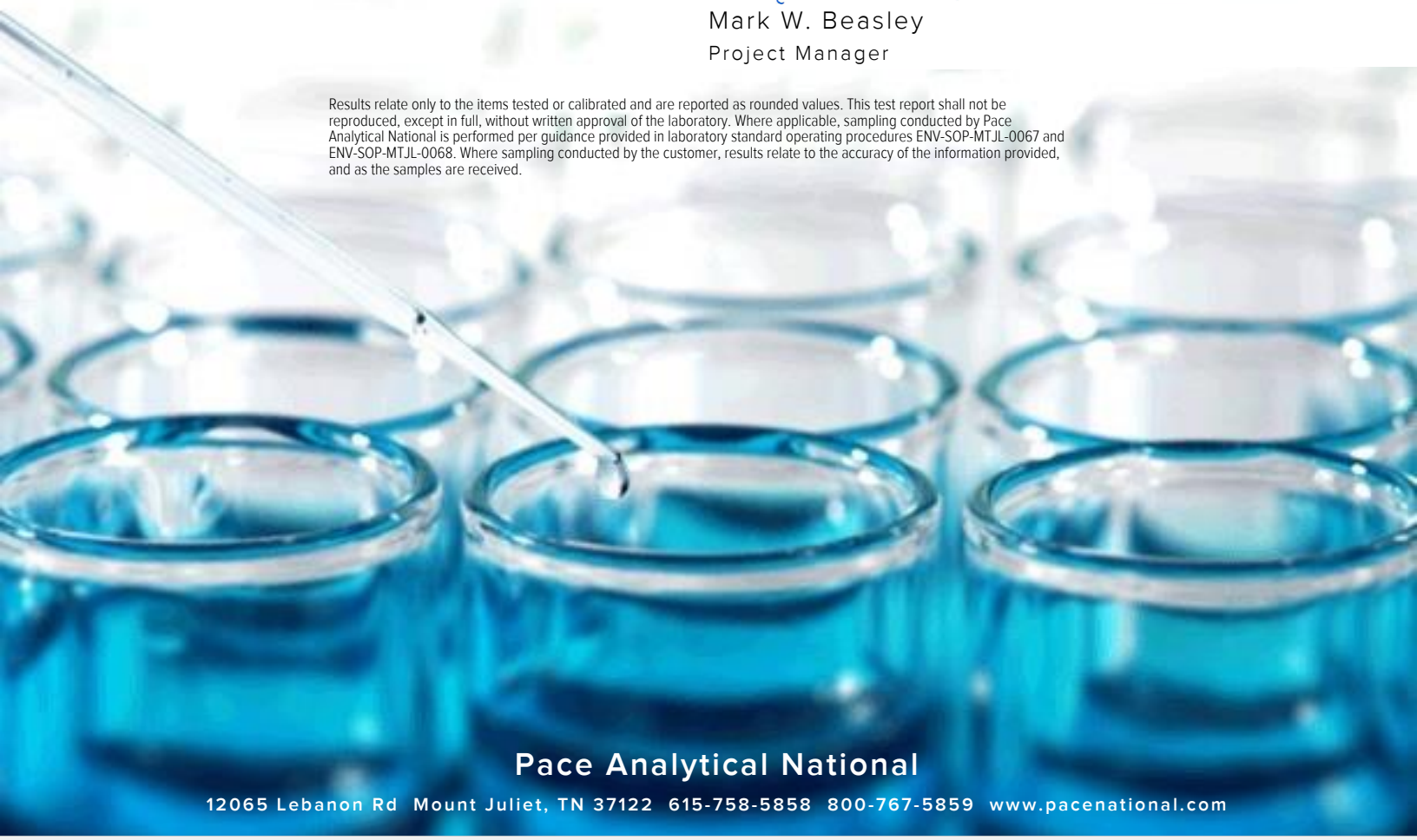
TEKLAB, Inc.

Sample Delivery Group:	L1400281
Samples Received:	09/07/2021
Project Number:	21080600
Description:	

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

Entire Report Reviewed By:

Mark W. Beasley
Project Manager



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

TABLE OF CONTENTS

21080600-001 L1400281-01 Non-Potable Water

Collected by | Collected date/time 09/01/21 11:54 | Received date/time 09/07/21 09:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method Calculation	WG1737693	1	09/14/21 09:29	09/17/21 12:45	JMR	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG1737693	1	09/14/21 09:29	09/15/21 12:32	RGT	Mt. Juliet, TN

21080600-002 L1400281-02 Non-Potable Water

Collected by | Collected date/time 09/01/21 10:59 | Received date/time 09/07/21 09:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method Calculation	WG1737693	1	09/14/21 09:29	09/17/21 12:45	JMR	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG1737693	1	09/14/21 09:29	09/15/21 12:32	RGT	Mt. Juliet, TN

21080600-003 L1400281-03 Non-Potable Water

Collected by | Collected date/time 09/01/21 10:11 | Received date/time 09/07/21 09:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method Calculation	WG1737693	1	09/14/21 09:29	09/17/21 12:45	JMR	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG1737693	1	09/14/21 09:29	09/15/21 12:33	RGT	Mt. Juliet, TN

21080600-004 L1400281-04 Non-Potable Water

Collected by | Collected date/time 09/01/21 11:20 | Received date/time 09/07/21 09:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method Calculation	WG1737693	1	09/14/21 09:29	09/17/21 12:45	JMR	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG1737693	1	09/14/21 09:29	09/15/21 12:33	RGT	Mt. Juliet, TN

21080600-005 L1400281-05 Non-Potable Water

Collected by | Collected date/time 09/01/21 13:21 | Received date/time 09/07/21 09:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method Calculation	WG1737693	1	09/14/21 09:29	09/17/21 12:45	JMR	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG1737693	1	09/14/21 09:29	09/15/21 12:33	RGT	Mt. Juliet, TN

21080600-006 L1400281-06 Non-Potable Water

Collected by | Collected date/time 09/01/21 10:40 | Received date/time 09/07/21 09:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method Calculation	WG1737693	1	09/14/21 09:29	09/17/21 12:45	JMR	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG1737693	1	09/14/21 09:29	09/15/21 12:33	RGT	Mt. Juliet, TN

21080600-007 L1400281-07 Non-Potable Water

Collected by | Collected date/time 09/01/21 12:43 | Received date/time 09/07/21 09:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method Calculation	WG1737693	1	09/14/21 09:29	09/17/21 12:45	JMR	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG1737693	1	09/14/21 09:29	09/15/21 12:33	RGT	Mt. Juliet, TN

21080600-008 L1400281-08 Non-Potable Water

Collected by	Collected date/time	Received date/time
	09/01/21 13:14	09/07/21 09:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method Calculation	WG1737693	1	09/14/21 09:29	09/17/21 12:45	JMR	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG1737693	1	09/14/21 09:29	09/15/21 12:33	RGT	Mt. Juliet, TN

21080600-009 L1400281-09 Non-Potable Water

Collected by	Collected date/time	Received date/time
	09/01/21 11:12	09/07/21 09:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method Calculation	WG1737693	1	09/14/21 09:29	09/17/21 12:45	JMR	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG1737693	1	09/14/21 09:29	09/15/21 12:36	RGT	Mt. Juliet, TN

21080600-010 L1400281-10 Non-Potable Water

Collected by	Collected date/time	Received date/time
	09/01/21 11:41	09/07/21 09:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method Calculation	WG1737693	1	09/14/21 09:29	09/17/21 12:45	JMR	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG1737693	1	09/14/21 09:29	09/15/21 12:36	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

Radiochemistry by Method 904/9320

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
RADIUM-228	-0.524	U	0.357	0.676	09/17/2021 12:45	WG1736912
(T) Barium	*94.7*			*62.0-143*	*09/17/2021 12:45*	WG1736912
(T) Yttrium	*101*			*79.0-136*	*09/17/2021 12:45*	WG1736912

Radiochemistry by Method Calculation

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
Combined Radium	0.0861	U	0.516	0.936	09/17/2021 12:45	WG1737693

Radiochemistry by Method SM7500Ra B M

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
RADIUM-226	0.0861	U	0.159	0.26	09/15/2021 12:32	WG1737693
(T) Barium-133	*97.5*			*30.0-143*	*09/15/2021 12:32*	WG1737693

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-228	1.14		0.337	0.588	09/17/2021 12:45	WG1736912
(T) Barium	*101*			*62.0-143*	*09/17/2021 12:45*	WG1736912
(T) Yttrium	*101*			*79.0-136*	*09/17/2021 12:45*	WG1736912

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	1.17		0.497	0.901	09/17/2021 12:45	WG1737693

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-226	0.0365	U	0.160	0.313	09/15/2021 12:32	WG1737693
(T) Barium-133	*92.9*			*30.0-143*	*09/15/2021 12:32*	WG1737693

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-228	1.46		0.328	0.559	09/17/2021 12:45	WG1736912
(T) Barium	*94.0*			*62.0-143*	*09/17/2021 12:45*	WG1736912
(T) Yttrium	*106*			*79.0-136*	*09/17/2021 12:45*	WG1736912

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	1.83		0.639	0.917	09/17/2021 12:45	WG1737693

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-226	0.367		0.311	0.358	09/15/2021 12:33	WG1737693
(T) Barium-133	*97.2*			*30.0-143*	*09/15/2021 12:33*	WG1737693

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-228	0.604		0.295	0.527	09/17/2021 12:45	WG1736912
(T) Barium	*102*			*62.0-143*	*09/17/2021 12:45*	WG1736912
(T) Yttrium	*105*			*79.0-136*	*09/17/2021 12:45*	WG1736912

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	0.604	J	0.358	0.786	09/17/2021 12:45	WG1737693

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-226	-0.0217	U	0.0634	0.259	09/15/2021 12:33	WG1737693
(T) Barium-133	*97.9*			*30.0-143*	*09/15/2021 12:33*	WG1737693

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-228	0.932		0.313	0.549	09/17/2021 12:45	WG1736912
(T) Barium	*99.6*			*62.0-143*	*09/17/2021 12:45*	WG1736912
(T) Yttrium	*99.0*			*79.0-136*	*09/17/2021 12:45*	WG1736912

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	1.31		0.597	0.817	09/17/2021 12:45	WG1737693

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-226	0.377		0.284	0.268	09/15/2021 12:33	WG1737693
(T) Barium-133	*95.2*			*30.0-143*	*09/15/2021 12:33*	WG1737693

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-228	1.82		0.342	0.571	09/17/2021 12:45	WG1736912
(T) Barium	*92.4*			*62.0-143*	*09/17/2021 12:45*	WG1736912
(T) Yttrium	*105*			*79.0-136*	*09/17/2021 12:45*	WG1736912

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	1.97		0.575	0.924	09/17/2021 12:45	WG1737693

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-226	0.146	J	0.233	0.353	09/15/2021 12:33	WG1737693
(T) Barium-133	*94.1*			*30.0-143*	*09/15/2021 12:33*	WG1737693

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-228	0.347	J	0.319	0.579	09/17/2021 12:45	WG1736912
(T) Barium	*102*			*62.0-143*	*09/17/2021 12:45*	WG1736912
(T) Yttrium	*109*			*79.0-136*	*09/17/2021 12:45*	WG1736912

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	0.456	J	0.573	1	09/17/2021 12:45	WG1737693

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-226	0.109	U	0.254	0.421	09/15/2021 12:33	WG1737693
(T) Barium-133	*94.6*			*30.0-143*	*09/15/2021 12:33*	WG1737693

Radiochemistry by Method 904/9320

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
RADIUM-228	0.519	J	0.313	0.562	09/17/2021 12:45	WG1736912
(T) Barium	*97.9*			*62.0-143*	*09/17/2021 12:45*	WG1736912
(T) Yttrium	*115*			*79.0-136*	*09/17/2021 12:45*	WG1736912

Radiochemistry by Method Calculation

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
Combined Radium	0.725	J	0.578	0.934	09/17/2021 12:45	WG1737693

Radiochemistry by Method SM7500Ra B M

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
RADIUM-226	0.206	J	0.265	0.372	09/15/2021 12:33	WG1737693
(T) Barium-133	*95.8*			*30.0-143*	*09/15/2021 12:33*	WG1737693

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-228	0.791		0.277	0.486	09/17/2021 12:45	WG1736912
(T) Barium	*101*			*62.0-143*	*09/17/2021 12:45*	WG1736912
(T) Yttrium	*113*			*79.0-136*	*09/17/2021 12:45*	WG1736912

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	0.791		0.324	0.702	09/17/2021 12:45	WG1737693

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-226	-0.0131	U	0.0470	0.216	09/15/2021 12:36	WG1737693
(T) Barium-133	*98.6*			*30.0-143*	*09/15/2021 12:36*	WG1737693

Radiochemistry by Method 904/9320

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
RADIUM-228	0.0920	U	0.313	0.577	09/17/2021 12:45	WG1736912
(T) Barium	*95.2*			*62.0-143*	*09/17/2021 12:45*	WG1736912
(T) Yttrium	*97.6*			*79.0-136*	*09/17/2021 12:45*	WG1736912

Radiochemistry by Method Calculation

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
Combined Radium	0.244	U	0.501	0.834	09/17/2021 12:45	WG1737693

Radiochemistry by Method SM7500Ra B M

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
RADIUM-226	0.152	J	0.188	0.257	09/15/2021 12:36	WG1737693
(T) Barium-133	*95.3*			*30.0-143*	*09/15/2021 12:36*	WG1737693

Method Blank (MB)

(MB) R3706728-1 09/17/21 12:45

Analyte	MB Result	MB Qualifier	MB MDA
	pCi/l		pCi/l
Radium-228	0.451		0.417
(T) Barium	*102*		
(T) Yttrium	*109*		

L1400281-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1400281-01 09/17/21 12:45 • (DUP) R3706728-5 09/17/21 12:45

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP RER	DUP Qualifier	DUP RPD Limits	DUP RER Limit
	pCi/l	pCi/l		%			%	
Radium-228	-0.524	0.730	1	200	1.29	U	20	3
(T) Barium	*94.7*	*95.9*						
(T) Yttrium	*101*	*104*						

Laboratory Control Sample (LCS)

(LCS) R3706728-2 09/17/21 12:45

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	pCi/l	pCi/l	%	%	
Radium-228	5.00	5.63	113	80.0-120	
(T) Barium			*101*		
(T) Yttrium			*107*		

L1400140-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1400140-02 09/17/21 12:45 • (MS) R3706728-3 09/17/21 12:45 • (MSD) R3706728-4 09/17/21 12:45

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	16.7	0.591	15.6	19.1	90.1	111	1	70.0-130			19.8		20
(T) Barium		*88.8*			*101*	*95.5*							
(T) Yttrium		*101*			*101*	*108*							

Method Blank (MB)

(MB) R3705247-1 09/15/21 12:32

Analyte	MB Result	MB Qualifier	MB MDA
	pCi/l		pCi/l
Radium-226	-0.00962	U	0.0777
(T) Barium-133	*81.8*		

L1400932-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1400932-01 09/15/21 12:36 • (DUP) R3705247-5 09/15/21 12:32

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP RER	DUP Qualifier	DUP RPD Limits	DUP RER Limit
	pCi/l	pCi/l		%			%	
Radium-226	0.257	0.413	1	46.7	0.374		20	3
(T) Barium-133	*97.8*	*91.5*						

Laboratory Control Sample (LCS)

(LCS) R3705247-2 09/15/21 12:32

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	pCi/l	pCi/l	%	%	
Radium-226	5.02	5.66	113	80.0-120	
(T) Barium-133			*80.1*		

L1400160-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1400160-01 09/15/21 12:32 • (MS) R3705247-3 09/15/21 12:32 • (MSD) R3705247-4 09/15/21 12:32

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	20.1	0.181	23.6	21.6	117	106	1	75.0-125			9.07		20
(T) Barium-133		*87.3*			*88.4*	*86.7*							

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.
U	Below Detectable Limits: Indicates that the analyte was not detected.

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 [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	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	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	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 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] 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.

B187

Pg ___ of ___

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: J Riley P Riley | QC Level: 3

Comments: **Please Issue reports and invoices via email only**
Please analyze for Radium 22/228 per methods specified for Vistra/Ramboll projects.
IL site
Batch QC is required for all analyses requested.

Project# 21080600

Contact: Elizabeth A. Hurley | Email: ehurley@teklabinc.com
Requested Due Date: 10-15 day TAT | Billing/PO: 31768
Any changes to analysis/methods must be approved by Teklab, Inc.
Phone: (618) 344-1004 ext 33

L1400281

PLEASE NOTE:

NELAP accreditation is required on the requested analytes and must be documented as such on the final report. If your laboratory does not currently hold a NELAP accreditation for the requested method and/or analytes, please contact Teklab immediately. If your laboratory loses accreditation or is suspended for any analyte/method during the life of the contract, you must contact Teklab immediately.

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228											
-01	21080600-001	9/1/21 1154	HNO3	Groundwater	☑											
-02	21080600-002	9/1/21 1059	HNO3	Groundwater	☑											
-03	21080600-003	9/1/21 1011	HNO3	Groundwater	☑											
-04	21080600-004	9/1/21 1120	HNO3	Groundwater	☑											
-05	21080600-005	9/1/21 1321	HNO3	Groundwater	☑											
-06	21080600-006	9/1/21 1040	HNO3	Groundwater	☑											
-07	21080600-007	9/1/21 1243	HNO3	Groundwater	☑											
-08	21080600-008	9/1/21 1314	HNO3	Groundwater	☑											
-09	21080600-009	9/1/21 1112	HNO3	Groundwater	☑											
-10	21080600-010	9/1/21 1141	HNO3	Groundwater	☑											
			HNO3	Groundwater	☐											

*Relinquished By	Date/Time	Received By	Date/Time
Mary Kemp	9/2/21 1600		
			9/7/21 9:45

Pace Analytical National Center for Testing & Innovation
Cooler Receipt Form

Client: TEKLABIL	L1400281	
Cooler Received/Opened On: 9/ 08 / 21	Temperature: AMB	
Received By: Gisely Quiles		
Signature:		

Receipt Check List	NP	Yes	No
COC Seal Present / Intact?	✓		
COC Signed / Accurate?		✓	
Bottles arrive intact?		✓	
Correct bottles used?		✓	
Sufficient volume sent?		✓	
If Applicable			
VOA Zero headspace?			
Preservation Correct / Checked?		✓	

March 23, 2022

Eric Bauer
Ramboll
234 W. Florida St.
5th Floor
Milwaukee, WI 53204
TEL: (414) 837-3614
FAX:

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

RE: Kincaid Q1 Groundwater **WorkOrder:** 22020734

Dear Eric Bauer:

TEKLAB, INC received 21 samples on 2/24/2022 7:50:00 AM for the analysis presented in the following report.

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

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

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

Sincerely,

Elizabeth A. Hurley

Elizabeth A. Hurley
Project Manager
(618)344-1004 ex 33
ehurley@teklabinc.com

Client: Ramboll
Work Order: 22020734
Client Project: Kincaid Q1 Groundwater
Report Date: 23-Mar-22

This reporting package includes the following:

Client: Ramboll **Work Order:** 22020734

Client Project: Kincaid Q1 Groundwater **Report Date:** 23-Mar-22

Abbr Definition

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

Client: Ramboll **Work Order:** 22020734

Client Project: Kincaid Q1 Groundwater **Report Date:** 23-Mar-22

Qualifiers

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

Case Narrative

http://www.teklabinc.com/

Client: Ramboll
Work Order: 22020734
Client Project: Kincaid Q1 Groundwater
Report Date: 23-Mar-22

Cooler Receipt Temp: 1.8 °C

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

Only Kincaid 257_141 program data is included in this report. EAH 3/23/22

Locations

Collinsville

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

Springfield

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

Kansas City

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

Collinsville Air

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

Chicago

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

Client: Ramboll **Work Order:** 22020734

Client Project: Kincaid Q1 Groundwater **Report Date:** 23-Mar-22

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2023	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2022	Collinsville
Louisiana	LDEQ	05002	NELAP	6/30/2022	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2022	Collinsville
Oklahoma	ODEQ	9978	NELAP	8/31/2022	Collinsville
Arkansas	ADEQ	88-0966		3/14/2023	Collinsville
Illinois	IDPH	17584		5/31/2023	Collinsville
Kentucky	UST	0073		1/31/2023	Collinsville
Missouri	MDNR	00930		5/31/2023	Collinsville
Missouri	MDNR	930		1/31/2025	Collinsville

Client: Ramboll **Work Order:** 22020734

Client Project: Kincaid Q1 Groundwater **Report Date:** 23-Mar-22

Lab ID: 22020734-001 **Client Sample ID:** MW-1

Matrix: GROUNDWATER **Collection Date:** 02/22/2022 11:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Depth to water from measuring point	*	0		**14.02**	ft	1	02/22/2022 11:40	R307774
STANDARD METHOD 4500-H B 2001 FIELD								
pH	*	1.00		**6.42**		1	02/22/2022 11:40	R307774
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**< 1.0**	NTU	1	02/22/2022 11:40	R307774
STANDARD METHODS 18TH ED. 2580 B FIELD								
Oxidation-Reduction Potential	*	-300		**39**	mV	1	02/22/2022 11:40	R307774
STANDARD METHODS 2510 B FIELD								
Spec. Conductance, Field	*	0		**588**	µS/cm	1	02/22/2022 11:40	R307774
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**12.5**	°C	1	02/22/2022 11:40	R307774
STANDARD METHODS 4500-O G FIELD								
Oxygen, Dissolved	*	0		**0.33**	mg/L	1	02/22/2022 11:40	R307774
STANDARD METHODS 2320 B (TOTAL) 1997, 2011								
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0		**172**	mg/L	1	02/25/2022 9:10	R307546
STANDARD METHODS 2320 B 1997, 2011								
Alkalinity, Carbonate (as CaCO3)	NELAP	0		**0**	mg/L	1	02/25/2022 9:10	R307546
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	*	20		**334**	mg/L	1	03/01/2022 9:33	R307763
SW-846 9036 (TOTAL)								
Sulfate	NELAP	50		**83**	mg/L	5	03/01/2022 15:33	R307682
SW-846 9214 (TOTAL)								
Fluoride	NELAP	0.10		**0.16**	mg/L	1	02/25/2022 10:54	R307528
SW-846 9251 (TOTAL)								
Chloride	NELAP	1		**10**	mg/L	1	02/25/2022 20:53	R307552
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Calcium	NELAP	0.100		**58.8**	mg/L	1	02/25/2022 15:44	188026
Magnesium	NELAP	0.050		**27.8**	mg/L	1	02/25/2022 15:44	188026
Potassium	NELAP	0.100		**0.277**	mg/L	1	02/25/2022 15:44	188026
Sodium	NELAP	0.050		**15.5**	mg/L	1	02/25/2022 15:44	188026
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	1.0		**< 1.0**	µg/L	5	03/06/2022 10:38	188026
Arsenic	NELAP	1.0		**< 1.0**	µg/L	5	03/06/2022 10:38	188026
Barium	NELAP	1.0		**44.3**	µg/L	5	03/07/2022 23:37	188026
Beryllium	NELAP	1.0		**< 1.0**	µg/L	5	03/08/2022 21:27	188026
Boron	NELAP	25.0		**222**	µg/L	5	03/07/2022 23:37	188026
Cadmium	NELAP	1.0		**< 1.0**	µg/L	5	03/06/2022 10:38	188026
Chromium	NELAP	1.5		**< 1.5**	µg/L	5	03/07/2022 23:37	188026
Cobalt	NELAP	1.0		**< 1.0**	µg/L	5	03/07/2022 23:37	188026
Lead	NELAP	1.0		**< 1.0**	µg/L	5	03/07/2022 23:37	188026
Lithium	*	3.0	J	**1.7**	µg/L	5	03/07/2022 23:37	188026
Molybdenum	NELAP	1.5		**< 1.5**	µg/L	5	03/07/2022 23:37	188026
Selenium	NELAP	1.0		**< 1.0**	µg/L	5	03/06/2022 10:38	188026
Thallium	NELAP	2.0	J	**1.1**	µg/L	5	03/07/2022 23:37	188026

Client: Ramboll **Work Order:** 22020734

Client Project: Kincaid Q1 Groundwater **Report Date:** 23-Mar-22

Lab ID: 22020734-001 **Client Sample ID:** MW-1

Matrix: GROUNDWATER **Collection Date:** 02/22/2022 11:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.20		**< 0.20**	µg/L	1	03/02/2022 9:55	188168

Client: Ramboll **Work Order:** 22020734

Client Project: Kincaid Q1 Groundwater **Report Date:** 23-Mar-22

Lab ID: 22020734-002 **Client Sample ID:** MW-2

Matrix: GROUNDWATER **Collection Date:** 02/22/2022 10:51

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Depth to water from measuring point	*	0		**4.11**	ft	1	02/22/2022 10:51	R307774
STANDARD METHOD 4500-H B 2001 FIELD								
pH	*	1.00		**6.98**		1	02/22/2022 10:51	R307774
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**4.7**	NTU	1	02/22/2022 10:51	R307774
STANDARD METHODS 18TH ED. 2580 B FIELD								
Oxidation-Reduction Potential	*	-300		**51**	mV	1	02/22/2022 10:51	R307774
STANDARD METHODS 2510 B FIELD								
Spec. Conductance, Field	*	0		**858**	µS/cm	1	02/22/2022 10:51	R307774
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**11.4**	°C	1	02/22/2022 10:51	R307774
STANDARD METHODS 4500-O G FIELD								
Oxygen, Dissolved	*	0		**2.42**	mg/L	1	02/22/2022 10:51	R307774
STANDARD METHODS 2320 B (TOTAL) 1997, 2011								
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0		**246**	mg/L	1	02/25/2022 9:18	R307546
STANDARD METHODS 2320 B 1997, 2011								
Alkalinity, Carbonate (as CaCO3)	NELAP	0		**0**	mg/L	1	02/25/2022 9:18	R307546
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	*	20		**508**	mg/L	1	03/01/2022 9:34	R307763
SW-846 9036 (TOTAL)								
Sulfate	NELAP	100		**148**	mg/L	10	02/25/2022 21:06	R307551
SW-846 9214 (TOTAL)								
Fluoride	NELAP	0.10		**0.48**	mg/L	1	02/25/2022 10:56	R307528
SW-846 9251 (TOTAL)								
Chloride	NELAP	1		**19**	mg/L	1	02/25/2022 21:01	R307552
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Calcium	NELAP	0.100		**97.2**	mg/L	1	02/25/2022 15:46	188026
Magnesium	NELAP	0.050		**35.2**	mg/L	1	02/25/2022 15:46	188026
Potassium	NELAP	0.100		**1.17**	mg/L	1	02/25/2022 15:46	188026
Sodium	NELAP	0.050		**25.7**	mg/L	1	02/25/2022 15:46	188026
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	1.0		**< 1.0**	µg/L	5	03/06/2022 10:47	188026
Arsenic	NELAP	1.0		**1.4**	µg/L	5	03/06/2022 10:47	188026
Barium	NELAP	1.0		**123**	µg/L	5	03/07/2022 23:43	188026
Beryllium	NELAP	1.0		**< 1.0**	µg/L	5	03/08/2022 21:33	188026
Boron	NELAP	25.0		**57.1**	µg/L	5	03/07/2022 23:43	188026
Cadmium	NELAP	1.0		**< 1.0**	µg/L	5	03/06/2022 10:47	188026
Chromium	NELAP	1.5		**< 1.5**	µg/L	5	03/07/2022 23:43	188026
Cobalt	NELAP	1.0	J	**0.2**	µg/L	5	03/07/2022 23:43	188026
Lead	NELAP	1.0		**< 1.0**	µg/L	5	03/07/2022 23:43	188026
Lithium	*	3.0		**5.2**	µg/L	5	03/07/2022 23:43	188026
Molybdenum	NELAP	1.5		**4.3**	µg/L	5	03/07/2022 23:43	188026
Selenium	NELAP	1.0		**< 1.0**	µg/L	5	03/06/2022 10:47	188026
Thallium	NELAP	2.0		**< 2.0**	µg/L	5	03/07/2022 23:43	188026

Client: Ramboll **Work Order:** 22020734

Client Project: Kincaid Q1 Groundwater **Report Date:** 23-Mar-22

Lab ID: 22020734-002 **Client Sample ID:** MW-2

Matrix: GROUNDWATER **Collection Date:** 02/22/2022 10:51

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.20		**< 0.20**	µg/L	1	03/02/2022 9:57	188168

Client: Ramboll **Work Order:** 22020734

Client Project: Kincaid Q1 Groundwater **Report Date:** 23-Mar-22

Lab ID: 22020734-005 **Client Sample ID:** MW-5

Matrix: GROUNDWATER **Collection Date:** 02/22/2022 13:56

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Depth to water from measuring point	*	0		**24.91**	ft	1	02/22/2022 13:56	R307774
STANDARD METHOD 4500-H B 2001 FIELD								
pH	*	1.00		**6.66**		1	02/22/2022 13:56	R307774
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**3.7**	NTU	1	02/22/2022 13:56	R307774
STANDARD METHODS 18TH ED. 2580 B FIELD								
Oxidation-Reduction Potential	*	-300		**5**	mV	1	02/22/2022 13:56	R307774
STANDARD METHODS 2510 B FIELD								
Spec. Conductance, Field	*	0		**1430**	µS/cm	1	02/22/2022 13:56	R307774
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**12.9**	°C	1	02/22/2022 13:56	R307774
STANDARD METHODS 4500-O G FIELD								
Oxygen, Dissolved	*	0		**0.39**	mg/L	1	02/22/2022 13:56	R307774
STANDARD METHODS 2320 B (TOTAL) 1997, 2011								
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0		**677**	mg/L	1	02/25/2022 9:34	R307546
STANDARD METHODS 2320 B 1997, 2011								
Alkalinity, Carbonate (as CaCO3)	NELAP	0		**0**	mg/L	1	02/25/2022 9:34	R307546
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	*	20		**732**	mg/L	1	03/01/2022 9:39	R307763
SW-846 9036 (TOTAL)								
Sulfate	NELAP	10		**10**	mg/L	1	02/25/2022 21:52	R307551
SW-846 9214 (TOTAL)								
Fluoride	NELAP	0.10		**0.17**	mg/L	1	02/25/2022 11:01	R307528
SW-846 9251 (TOTAL)								
Chloride	NELAP	1		**46**	mg/L	1	02/25/2022 21:52	R307552
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Calcium	NELAP	0.100		**158**	mg/L	1	02/25/2022 15:56	188026
Magnesium	NELAP	0.050		**83.0**	mg/L	1	02/25/2022 15:56	188026
Potassium	NELAP	0.100		**0.551**	mg/L	1	02/25/2022 15:56	188026
Sodium	NELAP	0.050		**23.6**	mg/L	1	02/25/2022 15:56	188026
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	1.0		**< 1.0**	µg/L	5	03/06/2022 12:40	188026
Arsenic	NELAP	1.0	J	**0.6**	µg/L	5	03/06/2022 12:40	188026
Barium	NELAP	1.0		**155**	µg/L	5	03/08/2022 0:00	188026
Beryllium	NELAP	1.0		**< 1.0**	µg/L	5	03/08/2022 21:50	188026
Boron	NELAP	25.0		**560**	µg/L	5	03/08/2022 0:00	188026
Cadmium	NELAP	1.0		**< 1.0**	µg/L	5	03/06/2022 12:40	188026
Chromium	NELAP	1.5		**< 1.5**	µg/L	5	03/08/2022 0:00	188026
Cobalt	NELAP	1.0	J	**0.7**	µg/L	5	03/08/2022 0:00	188026
Lead	NELAP	1.0		**< 1.0**	µg/L	5	03/08/2022 0:00	188026
Lithium	*	3.0		**3.1**	µg/L	5	03/08/2022 0:00	188026
Molybdenum	NELAP	1.5	J	**0.6**	µg/L	5	03/08/2022 0:00	188026
Selenium	NELAP	1.0		**< 1.0**	µg/L	5	03/08/2022 0:00	188026
Thallium	NELAP	2.0		**< 2.0**	µg/L	5	03/08/2022 0:00	188026

Client: Ramboll **Work Order:** 22020734

Client Project: Kincaid Q1 Groundwater **Report Date:** 23-Mar-22

Lab ID: 22020734-005 **Client Sample ID:** MW-5

Matrix: GROUNDWATER **Collection Date:** 02/22/2022 13:56

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.20		**< 0.20**	µg/L	1	03/02/2022 10:04	188168

Client: Ramboll **Work Order:** 22020734

Client Project: Kincaid Q1 Groundwater **Report Date:** 23-Mar-22

Lab ID: 22020734-006 **Client Sample ID:** MW-6

Matrix: GROUNDWATER **Collection Date:** 02/23/2022 12:46

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Depth to water from measuring point	*	0		**6.61**	ft	1	02/23/2022 12:46	R307774
STANDARD METHOD 4500-H B 2001 FIELD								
pH	*	1.00		**6.62**		1	02/23/2022 12:46	R307774
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**27**	NTU	1	02/23/2022 12:46	R307774
STANDARD METHODS 18TH ED. 2580 B FIELD								
Oxidation-Reduction Potential	*	-300		**129**	mV	1	02/23/2022 12:46	R307774
STANDARD METHODS 2510 B FIELD								
Spec. Conductance, Field	*	0		**866**	µS/cm	1	02/23/2022 12:46	R307774
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**10.5**	°C	1	02/23/2022 12:46	R307774
STANDARD METHODS 4500-O G FIELD								
Oxygen, Dissolved	*	0		**6.92**	mg/L	1	02/23/2022 12:46	R307774
STANDARD METHODS 2320 B (TOTAL) 1997, 2011								
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0		**258**	mg/L	1	02/25/2022 9:42	R307546
STANDARD METHODS 2320 B 1997, 2011								
Alkalinity, Carbonate (as CaCO3)	NELAP	0		**0**	mg/L	1	02/25/2022 9:42	R307546
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	*	20		**422**	mg/L	1	03/01/2022 9:46	R307763
SW-846 9036 (TOTAL)								
Sulfate	NELAP	100		**108**	mg/L	10	02/25/2022 22:05	R307551
SW-846 9214 (TOTAL)								
Fluoride	NELAP	0.10		**0.19**	mg/L	1	02/25/2022 11:03	R307528
SW-846 9251 (TOTAL)								
Chloride	NELAP	1		**2**	mg/L	1	02/25/2022 22:00	R307552
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Calcium	NELAP	0.100		**85.1**	mg/L	1	02/25/2022 15:57	188026
Magnesium	NELAP	0.050		**36.5**	mg/L	1	02/25/2022 15:57	188026
Potassium	NELAP	0.100		**0.398**	mg/L	1	02/25/2022 15:57	188026
Sodium	NELAP	0.050		**15.3**	mg/L	1	02/25/2022 15:57	188026
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	1.0		**< 1.0**	µg/L	5	03/06/2022 12:49	188026
Arsenic	NELAP	1.0		**< 1.0**	µg/L	5	03/06/2022 12:49	188026
Barium	NELAP	1.0		**39.8**	µg/L	5	03/08/2022 0:06	188026
Beryllium	NELAP	1.0		**< 1.0**	µg/L	5	03/08/2022 21:55	188026
Boron	NELAP	25.0		**710**	µg/L	5	03/08/2022 0:06	188026
Cadmium	NELAP	1.0		**< 1.0**	µg/L	5	03/06/2022 12:49	188026
Chromium	NELAP	1.5		**2.0**	µg/L	5	03/08/2022 0:06	188026
Cobalt	NELAP	1.0	J	**0.4**	µg/L	5	03/08/2022 0:06	188026
Lead	NELAP	1.0	J	**0.8**	µg/L	5	03/08/2022 0:06	188026
Lithium	*	3.0	J	**1.5**	µg/L	5	03/08/2022 0:06	188026
Molybdenum	NELAP	1.5		**< 1.5**	µg/L	5	03/08/2022 0:06	188026
Selenium	NELAP	1.0		**< 1.0**	µg/L	5	03/08/2022 0:06	188026
Thallium	NELAP	2.0		**< 2.0**	µg/L	5	03/08/2022 0:06	188026

Client: Ramboll **Work Order:** 22020734

Client Project: Kincaid Q1 Groundwater **Report Date:** 23-Mar-22

Lab ID: 22020734-006 **Client Sample ID:** MW-6

Matrix: GROUNDWATER **Collection Date:** 02/23/2022 12:46

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.20		**< 0.20**	µg/L	1	03/02/2022 10:06	188168

Client: Ramboll **Work Order:** 22020734

Client Project: Kincaid Q1 Groundwater **Report Date:** 23-Mar-22

Lab ID: 22020734-007 **Client Sample ID:** MW-7

Matrix: GROUNDWATER **Collection Date:** 02/23/2022 11:57

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Depth to water from measuring point	*	0		**5.39**	ft	1	02/23/2022 11:57	R307774
STANDARD METHOD 4500-H B 2001 FIELD								
pH	*	1.00		**7.22**		1	02/23/2022 11:57	R307774
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**17**	NTU	1	02/23/2022 11:57	R307774
STANDARD METHODS 18TH ED. 2580 B FIELD								
Oxidation-Reduction Potential	*	-300		**98**	mV	1	02/23/2022 11:57	R307774
STANDARD METHODS 2510 B FIELD								
Spec. Conductance, Field	*	0		**975**	µS/cm	1	02/23/2022 11:57	R307774
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**8.2**	°C	1	02/23/2022 11:57	R307774
STANDARD METHODS 4500-O G FIELD								
Oxygen, Dissolved	*	0		**3.11**	mg/L	1	02/23/2022 11:57	R307774
STANDARD METHODS 2320 B (TOTAL) 1997, 2011								
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0		**301**	mg/L	1	02/25/2022 10:01	R307546
STANDARD METHODS 2320 B 1997, 2011								
Alkalinity, Carbonate (as CaCO3)	NELAP	0		**0**	mg/L	1	02/25/2022 10:01	R307546
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	*	20		**440**	mg/L	1	03/01/2022 17:16	R307763
SW-846 9036 (TOTAL)								
Sulfate	NELAP	100		**134**	mg/L	10	02/25/2022 22:13	R307551
SW-846 9214 (TOTAL)								
Fluoride	NELAP	0.10		**0.23**	mg/L	1	02/25/2022 11:28	R307528
SW-846 9251 (TOTAL)								
Chloride	NELAP	1		**1**	mg/L	1	02/25/2022 22:08	R307552
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Calcium	NELAP	0.100		**105**	mg/L	1	02/25/2022 15:59	188026
Magnesium	NELAP	0.050		**42.2**	mg/L	1	02/25/2022 15:59	188026
Potassium	NELAP	0.100		**1.45**	mg/L	1	02/25/2022 15:59	188026
Sodium	NELAP	0.050		**7.96**	mg/L	1	02/25/2022 15:59	188026
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	1.0		**< 1.0**	µg/L	5	03/06/2022 12:58	188026
Arsenic	NELAP	1.0	J	**0.8**	µg/L	5	03/06/2022 12:58	188026
Barium	NELAP	1.0		**64.8**	µg/L	5	03/08/2022 0:12	188026
Beryllium	NELAP	1.0		**< 1.0**	µg/L	5	03/08/2022 22:01	188026
Boron	NELAP	25.0		**98.7**	µg/L	5	03/08/2022 0:12	188026
Cadmium	NELAP	1.0		**< 1.0**	µg/L	5	03/06/2022 12:58	188026
Chromium	NELAP	1.5		**< 1.5**	µg/L	5	03/08/2022 0:12	188026
Cobalt	NELAP	1.0		**1.6**	µg/L	5	03/08/2022 0:12	188026
Lead	NELAP	1.0		**< 1.0**	µg/L	5	03/08/2022 0:12	188026
Lithium	*	3.0	J	**2.2**	µg/L	5	03/08/2022 0:12	188026
Molybdenum	NELAP	1.5		**3.2**	µg/L	5	03/08/2022 0:12	188026
Selenium	NELAP	1.0		**< 1.0**	µg/L	5	03/08/2022 0:12	188026
Thallium	NELAP	2.0		**< 2.0**	µg/L	5	03/08/2022 0:12	188026

Client: Ramboll **Work Order:** 22020734

Client Project: Kincaid Q1 Groundwater **Report Date:** 23-Mar-22

Lab ID: 22020734-007 **Client Sample ID:** MW-7

Matrix: GROUNDWATER **Collection Date:** 02/23/2022 11:57

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.20		**< 0.20**	µg/L	1	03/02/2022 10:09	188168

Client: Ramboll **Work Order:** 22020734

Client Project: Kincaid Q1 Groundwater **Report Date:** 23-Mar-22

Lab ID: 22020734-008 **Client Sample ID:** MW-8

Matrix: GROUNDWATER **Collection Date:** 02/23/2022 10:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Depth to water from measuring point	*	0		**5.71**	ft	1	02/23/2022 10:50	R307774
STANDARD METHOD 4500-H B 2001 FIELD								
pH	*	1.00		**6.67**		1	02/23/2022 10:50	R307774
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**3.2**	NTU	1	02/23/2022 10:50	R307774
STANDARD METHODS 18TH ED. 2580 B FIELD								
Oxidation-Reduction Potential	*	-300		**129**	mV	1	02/23/2022 10:50	R307774
STANDARD METHODS 2510 B FIELD								
Spec. Conductance, Field	*	0		**1670**	µS/cm	1	02/23/2022 10:50	R307774
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**11.5**	°C	1	02/23/2022 10:50	R307774
STANDARD METHODS 4500-O G FIELD								
Oxygen, Dissolved	*	0		**2.08**	mg/L	1	02/23/2022 10:50	R307774
STANDARD METHODS 2320 B (TOTAL) 1997, 2011								
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0		**422**	mg/L	1	02/25/2022 10:07	R307546
STANDARD METHODS 2320 B 1997, 2011								
Alkalinity, Carbonate (as CaCO3)	NELAP	0		**0**	mg/L	1	02/25/2022 10:07	R307546
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	*	20		**874**	mg/L	1	03/01/2022 17:16	R307763
SW-846 9036 (TOTAL)								
Sulfate	NELAP	100		**337**	mg/L	10	02/25/2022 22:21	R307551
SW-846 9214 (TOTAL)								
Fluoride	NELAP	0.10		**0.28**	mg/L	1	02/25/2022 11:30	R307528
SW-846 9251 (TOTAL)								
Chloride	NELAP	1		**15**	mg/L	1	02/25/2022 22:16	R307552
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Calcium	NELAP	0.100		**172**	mg/L	1	02/25/2022 16:01	188026
Magnesium	NELAP	0.050		**72.2**	mg/L	1	02/25/2022 16:01	188026
Potassium	NELAP	0.100		**0.630**	mg/L	1	02/25/2022 16:01	188026
Sodium	NELAP	0.050		**31.3**	mg/L	1	02/25/2022 16:01	188026
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	1.0		**< 1.0**	µg/L	5	03/06/2022 13:06	188026
Arsenic	NELAP	1.0		**< 1.0**	µg/L	5	03/06/2022 13:06	188026
Barium	NELAP	1.0		**19.1**	µg/L	5	03/08/2022 0:48	188026
Beryllium	NELAP	1.0		**< 1.0**	µg/L	5	03/08/2022 22:06	188026
Boron	NELAP	25.0		**878**	µg/L	5	03/08/2022 0:48	188026
Cadmium	NELAP	1.0		**< 1.0**	µg/L	5	03/06/2022 13:06	188026
Chromium	NELAP	1.5		**< 1.5**	µg/L	5	03/08/2022 0:48	188026
Cobalt	NELAP	1.0	J	**0.6**	µg/L	5	03/08/2022 0:48	188026
Lead	NELAP	1.0		**< 1.0**	µg/L	5	03/08/2022 0:48	188026
Lithium	*	3.0	J	**2.5**	µg/L	5	03/08/2022 0:48	188026
Molybdenum	NELAP	1.5		**< 1.5**	µg/L	5	03/08/2022 0:48	188026
Selenium	NELAP	1.0		**< 1.0**	µg/L	5	03/08/2022 0:48	188026
Thallium	NELAP	2.0		**< 2.0**	µg/L	5	03/08/2022 0:48	188026

Client: Ramboll **Work Order:** 22020734

Client Project: Kincaid Q1 Groundwater **Report Date:** 23-Mar-22

Lab ID: 22020734-008 **Client Sample ID:** MW-8

Matrix: GROUNDWATER **Collection Date:** 02/23/2022 10:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.20		**< 0.20**	µg/L	1	03/02/2022 10:11	188168

Client: Ramboll **Work Order:** 22020734

Client Project: Kincaid Q1 Groundwater **Report Date:** 23-Mar-22

Lab ID: 22020734-011 **Client Sample ID:** MW-11

Matrix: GROUNDWATER **Collection Date:** 02/22/2022 12:11

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Depth to water from measuring point	*	0		**11.41**	ft	1	02/22/2022 12:11	R307774
STANDARD METHOD 4500-H B 2001 FIELD								
pH	*	1.00		**6.81**		1	02/22/2022 12:11	R307774
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**< 1.0**	NTU	1	02/22/2022 12:11	R307774
STANDARD METHODS 18TH ED. 2580 B FIELD								
Oxidation-Reduction Potential	*	-300		**63**	mV	1	02/22/2022 12:11	R307774
STANDARD METHODS 2510 B FIELD								
Spec. Conductance, Field	*	0		**1180**	µS/cm	1	02/22/2022 12:11	R307774
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**14.1**	°C	1	02/22/2022 12:11	R307774
STANDARD METHODS 4500-O G FIELD								
Oxygen, Dissolved	*	0		**1.40**	mg/L	1	02/22/2022 12:11	R307774
STANDARD METHODS 2320 B (TOTAL) 1997, 2011								
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0		**422**	mg/L	1	02/25/2022 10:21	R307546
STANDARD METHODS 2320 B 1997, 2011								
Alkalinity, Carbonate (as CaCO3)	NELAP	0		**0**	mg/L	1	02/25/2022 10:21	R307546
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	*	20		**638**	mg/L	1	03/01/2022 9:40	R307763
SW-846 9036 (TOTAL)								
Sulfate	NELAP	50		**119**	mg/L	5	02/25/2022 23:01	R307551
SW-846 9214 (TOTAL)								
Fluoride	NELAP	0.10		**0.50**	mg/L	1	02/25/2022 11:35	R307528
SW-846 9251 (TOTAL)								
Chloride	NELAP	1		**37**	mg/L	1	02/25/2022 22:56	R307552
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Calcium	NELAP	0.100		**127**	mg/L	1	02/25/2022 16:03	188026
Magnesium	NELAP	0.050		**54.6**	mg/L	1	02/25/2022 16:03	188026
Potassium	NELAP	0.100		**0.972**	mg/L	1	02/25/2022 16:03	188026
Sodium	NELAP	0.050		**41.0**	mg/L	1	02/25/2022 16:03	188026
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	1.0		**< 1.0**	µg/L	5	03/06/2022 13:32	188026
Arsenic	NELAP	1.0	J	**1.0**	µg/L	5	03/06/2022 13:32	188026
Barium	NELAP	1.0		**134**	µg/L	5	03/08/2022 1:06	188026
Beryllium	NELAP	1.0		**< 1.0**	µg/L	5	03/08/2022 22:45	188026
Boron	NELAP	25.0		**1670**	µg/L	5	03/08/2022 1:06	188026
Cadmium	NELAP	1.0		**< 1.0**	µg/L	5	03/06/2022 13:32	188026
Chromium	NELAP	1.5		**< 1.5**	µg/L	5	03/08/2022 1:06	188026
Cobalt	NELAP	1.0	J	**0.2**	µg/L	5	03/08/2022 1:06	188026
Lead	NELAP	1.0		**< 1.0**	µg/L	5	03/08/2022 1:06	188026
Lithium	*	3.0	J	**2.8**	µg/L	5	03/08/2022 1:06	188026
Molybdenum	NELAP	1.5		**2.3**	µg/L	5	03/08/2022 1:06	188026
Selenium	NELAP	1.0		**< 1.0**	µg/L	5	03/08/2022 1:06	188026
Thallium	NELAP	2.0		**< 2.0**	µg/L	5	03/08/2022 1:06	188026

Client: Ramboll **Work Order:** 22020734

Client Project: Kincaid Q1 Groundwater **Report Date:** 23-Mar-22

Lab ID: 22020734-011 **Client Sample ID:** MW-11

Matrix: GROUNDWATER **Collection Date:** 02/22/2022 12:11

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.20		**< 0.20**	µg/L	1	03/02/2022 10:22	188168

Client: Ramboll **Work Order:** 22020734

Client Project: Kincaid Q1 Groundwater **Report Date:** 23-Mar-22

Lab ID: 22020734-012 **Client Sample ID:** MW-12

Matrix: GROUNDWATER **Collection Date:** 02/23/2022 14:01

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Depth to water from measuring point	*	0		**5.62**	ft	1	02/23/2022 14:01	R307774
STANDARD METHOD 4500-H B 2001 FIELD								
pH	*	1.00		**6.63**		1	02/23/2022 14:01	R307774
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**23**	NTU	1	02/23/2022 14:01	R307774
STANDARD METHODS 18TH ED. 2580 B FIELD								
Oxidation-Reduction Potential	*	-300		**-40**	mV	1	02/23/2022 14:01	R307774
STANDARD METHODS 2510 B FIELD								
Spec. Conductance, Field	*	0		**2040**	µS/cm	1	02/23/2022 14:01	R307774
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**11.4**	°C	1	02/23/2022 14:01	R307774
STANDARD METHODS 4500-O G FIELD								
Oxygen, Dissolved	*	0		**0.13**	mg/L	1	02/23/2022 14:01	R307774
STANDARD METHODS 2320 B (TOTAL) 1997, 2011								
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0		**518**	mg/L	1	02/25/2022 10:32	R307546
STANDARD METHODS 2320 B 1997, 2011								
Alkalinity, Carbonate (as CaCO3)	NELAP	0		**0**	mg/L	1	02/25/2022 10:32	R307546
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	*	20		**1110**	mg/L	1	03/01/2022 17:16	R307763
SW-846 9036 (TOTAL)								
Sulfate	NELAP	100		**404**	mg/L	10	02/25/2022 23:09	R307551
SW-846 9214 (TOTAL)								
Fluoride	NELAP	0.10		**0.18**	mg/L	1	02/25/2022 11:36	R307528
SW-846 9251 (TOTAL)								
Chloride	NELAP	1		**27**	mg/L	1	02/25/2022 23:04	R307552
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Calcium	NELAP	0.100		**216**	mg/L	1	02/25/2022 16:04	188026
Magnesium	NELAP	0.050		**91.9**	mg/L	1	02/25/2022 16:04	188026
Potassium	NELAP	0.100		**2.55**	mg/L	1	02/25/2022 16:04	188026
Sodium	NELAP	0.050		**48.8**	mg/L	1	02/25/2022 16:04	188026
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	1.0		**< 1.0**	µg/L	5	03/06/2022 13:41	188026
Arsenic	NELAP	1.0		**< 1.0**	µg/L	5	03/06/2022 13:41	188026
Barium	NELAP	1.0		**77.8**	µg/L	5	03/08/2022 1:12	188026
Beryllium	NELAP	1.0		**< 1.0**	µg/L	5	03/08/2022 22:51	188026
Boron	NELAP	25.0		**3390**	µg/L	5	03/08/2022 1:12	188026
Cadmium	NELAP	1.0		**< 1.0**	µg/L	5	03/06/2022 13:41	188026
Chromium	NELAP	1.5		**< 1.5**	µg/L	5	03/08/2022 1:12	188026
Cobalt	NELAP	1.0	J	**0.2**	µg/L	5	03/08/2022 1:12	188026
Lead	NELAP	1.0		**< 1.0**	µg/L	5	03/08/2022 1:12	188026
Lithium	*	3.0		**9.5**	µg/L	5	03/08/2022 1:12	188026
Molybdenum	NELAP	1.5	J	**0.7**	µg/L	5	03/08/2022 1:12	188026
Selenium	NELAP	1.0		**< 1.0**	µg/L	5	03/08/2022 1:12	188026
Thallium	NELAP	2.0		**< 2.0**	µg/L	5	03/08/2022 1:12	188026

Client: Ramboll **Work Order:** 22020734

Client Project: Kincaid Q1 Groundwater **Report Date:** 23-Mar-22

Lab ID: 22020734-012 **Client Sample ID:** MW-12

Matrix: GROUNDWATER **Collection Date:** 02/23/2022 14:01

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.20		**< 0.20**	µg/L	1	03/02/2022 10:24	188168

Client: Ramboll **Work Order:** 22020734

Client Project: Kincaid Q1 Groundwater **Report Date:** 23-Mar-22

Lab ID: 22020734-017 **Client Sample ID:** SG-02

Matrix: GROUNDWATER **Collection Date:** 02/23/2022 13:33

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Depth to water from measuring point	*	0		**21.00**	ft	1	02/23/2022 13:30	R307774

Client: Ramboll **Work Order:** 22020734

Client Project: Kincaid Q1 Groundwater **Report Date:** 23-Mar-22

Lab ID: 22020734-018 **Client Sample ID:** XSG-01

Matrix: GROUNDWATER **Collection Date:** 02/22/2022 12:37

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Depth to water from measuring point	*	0		**3.00**	ft	1	02/22/2022 12:37	R307774

Client: Ramboll **Work Order:** 22020734

Client Project: Kincaid Q1 Groundwater **Report Date:** 23-Mar-22

Lab ID: 22020734-019 **Client Sample ID:** Duplicate MW-08

Matrix: GROUNDWATER **Collection Date:** 02/23/2022 10:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Depth to water from measuring point	*	0		**5.71**	ft	1	02/23/2022 10:50	R307774
STANDARD METHOD 4500-H B 2001 FIELD								
pH	*	1.00		**6.67**		1	02/23/2022 10:50	R307774
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**3.2**	NTU	1	02/23/2022 10:50	R307774
STANDARD METHODS 18TH ED. 2580 B FIELD								
Oxidation-Reduction Potential	*	-300		**129**	mV	1	02/23/2022 10:50	R307774
STANDARD METHODS 2510 B FIELD								
Spec. Conductance, Field	*	0		**1670**	µS/cm	1	02/23/2022 10:50	R307774
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**11.5**	°C	1	02/23/2022 10:50	R307774
STANDARD METHODS 4500-O G FIELD								
Oxygen, Dissolved	*	0		**2.08**	mg/L	1	02/23/2022 10:50	R307774
STANDARD METHODS 2320 B (TOTAL) 1997, 2011								
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0		**422**	mg/L	1	02/25/2022 11:03	R307546
STANDARD METHODS 2320 B 1997, 2011								
Alkalinity, Carbonate (as CaCO3)	NELAP	0		**0**	mg/L	1	02/25/2022 11:03	R307546
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	*	20		**862**	mg/L	1	03/01/2022 17:16	R307763
SW-846 9036 (TOTAL)								
Sulfate	NELAP	100		**309**	mg/L	10	02/26/2022 0:31	R307551
SW-846 9214 (TOTAL)								
Fluoride	NELAP	0.10		**0.27**	mg/L	1	02/25/2022 11:51	R307528
SW-846 9251 (TOTAL)								
Chloride	NELAP	1		**16**	mg/L	1	02/26/2022 0:26	R307552
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Calcium	NELAP	0.100		**170**	mg/L	1	02/25/2022 16:21	188026
Magnesium	NELAP	0.050		**71.6**	mg/L	1	02/25/2022 16:21	188026
Potassium	NELAP	0.100		**0.622**	mg/L	1	02/25/2022 16:21	188026
Sodium	NELAP	0.050		**30.7**	mg/L	1	02/25/2022 16:21	188026
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	1.0		**< 1.0**	µg/L	5	03/06/2022 15:08	188026
Arsenic	NELAP	1.0		**< 1.0**	µg/L	5	03/06/2022 15:08	188026
Barium	NELAP	1.0		**18.5**	µg/L	5	03/08/2022 2:11	188026
Beryllium	NELAP	1.0		**< 1.0**	µg/L	5	03/08/2022 23:19	188026
Boron	NELAP	25.0		**891**	µg/L	5	03/08/2022 23:19	188026
Cadmium	NELAP	1.0		**< 1.0**	µg/L	5	03/06/2022 15:08	188026
Chromium	NELAP	1.5	J	**0.7**	µg/L	5	03/08/2022 2:11	188026
Cobalt	NELAP	1.0	J	**0.6**	µg/L	5	03/08/2022 2:11	188026
Lead	NELAP	1.0		**< 1.0**	µg/L	5	03/08/2022 2:11	188026
Lithium	*	3.0	J	**2.6**	µg/L	5	03/08/2022 23:19	188026
Molybdenum	NELAP	1.5		**< 1.5**	µg/L	5	03/08/2022 2:11	188026
Selenium	NELAP	1.0		**< 1.0**	µg/L	5	03/08/2022 2:11	188026
Thallium	NELAP	2.0		**2.2**	µg/L	5	03/08/2022 2:11	188026

Client: Ramboll
Work Order: 22020734
Client Project: Kincaid Q1 Groundwater
Report Date: 23-Mar-22
Lab ID: 22020734-019
Client Sample ID: Duplicate MW-08
Matrix: GROUNDWATER
Collection Date: 02/23/2022 10:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.20		**< 0.20**	µg/L	1	03/02/2022 10:41	188168

Client: Ramboll **Work Order:** 22020734

Client Project: Kincaid Q1 Groundwater **Report Date:** 23-Mar-22

Lab ID: 22020734-020 **Client Sample ID:** Field Blank

Matrix: GROUNDWATER **Collection Date:** 02/23/2022 12:03

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHODS 2320 B (TOTAL) 1997, 2011								
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0		**1**	mg/L	1	02/25/2022 11:08	R307546
STANDARD METHODS 2320 B 1997, 2011								
Alkalinity, Carbonate (as CaCO3)	NELAP	0		**0**	mg/L	1	02/25/2022 11:08	R307546
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	*	20		**< 20**	mg/L	1	03/01/2022 17:16	R307763
SW-846 9036 (TOTAL)								
Sulfate	NELAP	10		**< 10**	mg/L	1	02/26/2022 0:37	R307551
SW-846 9214 (TOTAL)								
Fluoride	NELAP	0.10		**< 0.10**	mg/L	1	02/25/2022 11:53	R307528
SW-846 9251 (TOTAL)								
Chloride	NELAP	1		**< 1**	mg/L	1	02/26/2022 0:37	R307552
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Calcium	NELAP	0.100		**< 0.100**	mg/L	1	02/25/2022 16:23	188026
Magnesium	NELAP	0.050	J	**0.007**	mg/L	1	02/25/2022 16:23	188026
Potassium	NELAP	0.100		**< 0.100**	mg/L	1	02/25/2022 16:23	188026
Sodium	NELAP	0.050		**< 0.050**	mg/L	1	02/25/2022 16:23	188026
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	1.0		**< 1.0**	µg/L	5	03/06/2022 15:17	188026
Arsenic	NELAP	1.0		**< 1.0**	µg/L	5	03/06/2022 15:17	188026
Barium	NELAP	1.0		**< 1.0**	µg/L	5	03/08/2022 2:17	188026
Beryllium	NELAP	1.0		**< 1.0**	µg/L	5	03/08/2022 23:24	188026
Boron	NELAP	25	J	**17**	µg/L	5	03/08/2022 23:24	188026
Cadmium	NELAP	1.0		**< 1.0**	µg/L	5	03/06/2022 15:17	188026
Chromium	NELAP	1.5		**< 1.5**	µg/L	5	03/08/2022 2:17	188026
Cobalt	NELAP	1.0		**< 1.0**	µg/L	5	03/08/2022 2:17	188026
Lead	NELAP	1.0		**< 1.0**	µg/L	5	03/08/2022 2:17	188026
Lithium	*	3.0		**< 3.0**	µg/L	5	03/08/2022 23:24	188026
Molybdenum	NELAP	1.5		**< 1.5**	µg/L	5	03/08/2022 2:17	188026
Selenium	NELAP	1.0		**< 1.0**	µg/L	5	03/08/2022 2:17	188026
Thallium	NELAP	2.0		**< 2.0**	µg/L	5	03/08/2022 2:17	188026
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.20		**< 0.20**	µg/L	1	03/02/2022 10:47	188168

Client: Ramboll **Work Order:** 22020734

Client Project: Kincaid Q1 Groundwater **Report Date:** 23-Mar-22

Lab ID: 22020734-021 **Client Sample ID:** KI_141_AP1_Source Water

Matrix: GROUNDWATER **Collection Date:** 02/23/2022 14:32

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Depth to water from measuring point	*	0		**0**	ft	1	02/23/2022 14:32	R307774
STANDARD METHOD 4500-H B 2001 FIELD								
pH	*	1.00		**8.17**		1	02/23/2022 14:32	R307774
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**19**	NTU	1	02/23/2022 14:32	R307774
STANDARD METHODS 18TH ED. 2580 B FIELD								
Oxidation-Reduction Potential	*	-300		**70**	mV	1	02/23/2022 14:32	R307774
STANDARD METHODS 2510 B FIELD								
Spec. Conductance, Field	*	0		**931**	µS/cm	1	02/23/2022 14:32	R307774
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**4.2**	°C	1	02/23/2022 14:32	R307774
STANDARD METHODS 4500-O G FIELD								
Oxygen, Dissolved	*	0		**11.9**	mg/L	1	02/23/2022 14:32	R307774
STANDARD METHODS 2320 B (TOTAL) 1997, 2011								
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0		**163**	mg/L	1	02/25/2022 11:11	R307546
STANDARD METHODS 2320 B 1997, 2011								
Alkalinity, Carbonate (as CaCO3)	NELAP	0		**0**	mg/L	1	02/25/2022 11:11	R307546
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	*	20		**446**	mg/L	1	03/01/2022 17:16	R307763
SW-846 9036 (TOTAL)								
Sulfate	NELAP	100		**172**	mg/L	10	02/26/2022 0:45	R307551
SW-846 9214 (TOTAL)								
Fluoride	NELAP	0.10		**0.42**	mg/L	1	02/25/2022 11:56	R307528
SW-846 9251 (TOTAL)								
Chloride	NELAP	1		**29**	mg/L	1	02/26/2022 0:40	R307552
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Calcium	NELAP	0.100	S	**68.6**	mg/L	1	02/25/2022 16:25	188026
Magnesium	NELAP	0.050	S	**26.2**	mg/L	1	02/25/2022 16:25	188026
Potassium	NELAP	0.100		**5.35**	mg/L	1	02/25/2022 16:25	188026
Sodium	NELAP	0.050	S	**45.1**	mg/L	1	02/25/2022 16:25	188026
Matrix spike control limits for Ca, Mg, and Na are not applicable due to high sample/spike ratio.								
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	1.0		**< 1.0**	µg/L	5	03/06/2022 15:25	188026
Arsenic	NELAP	1.0		**1.3**	µg/L	5	03/06/2022 15:25	188026
Barium	NELAP	1.0		**170**	µg/L	5	03/08/2022 2:23	188026
Beryllium	NELAP	1.0		**< 1.0**	µg/L	5	03/08/2022 23:30	188026
Boron	NELAP	25.0		**696**	µg/L	5	03/08/2022 23:30	188026
Cadmium	NELAP	1.0		**< 1.0**	µg/L	5	03/06/2022 15:25	188026
Chromium	NELAP	1.5	J	**1.0**	µg/L	5	03/08/2022 2:23	188026
Cobalt	NELAP	1.0	J	**0.3**	µg/L	5	03/08/2022 2:23	188026
Lead	NELAP	1.0	J	**0.6**	µg/L	5	03/08/2022 2:23	188026
Lithium	*	3.0		**8.7**	µg/L	5	03/08/2022 23:30	188026
Molybdenum	NELAP	1.5		**9.5**	µg/L	5	03/08/2022 2:23	188026
Selenium	NELAP	1.0		**1.0**	µg/L	5	03/08/2022 2:23	188026
Thallium	NELAP	2.0		**< 2.0**	µg/L	5	03/08/2022 2:23	188026

Client: Ramboll
Work Order: 22020734
Client Project: Kincaid Q1 Groundwater
Report Date: 23-Mar-22
Lab ID: 22020734-021
Client Sample ID: KI_141_AP1_Source Water
Matrix: GROUNDWATER
Collection Date: 02/23/2022 14:32

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.20		**< 0.20**	µg/L	1	03/02/2022 10:50	188168

Client: Ramboll
Client Project: Kincaid Q1 Groundwater

Work Order: 22020734
Report Date: 23-Mar-22

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
22020734-001	MW-1	Groundwater	4	02/22/2022 11:40
22020734-002	MW-2	Groundwater	4	02/22/2022 10:51
22020734-005	MW-5	Groundwater	4	02/22/2022 13:56
22020734-006	MW-6	Groundwater	4	02/23/2022 12:46
22020734-007	MW-7	Groundwater	4	02/23/2022 11:57
22020734-008	MW-8	Groundwater	4	02/23/2022 10:50
22020734-011	MW-11	Groundwater	4	02/22/2022 12:11
22020734-012	MW-12	Groundwater	4	02/23/2022 14:01
22020734-017	SG-02	Groundwater	1	02/23/2022 13:33
22020734-018	XSG-01	Groundwater	1	02/22/2022 12:37
22020734-019	Duplicate MW-08	Groundwater	4	02/23/2022 10:50
22020734-020	Field Blank	Groundwater	4	02/23/2022 12:03
22020734-021	KI_141_AP1_Source Water	Groundwater	3	02/23/2022 14:32

Client: Ramboll **Work Order:** 22020734

Client Project: Kincaid Q1 Groundwater **Report Date:** 23-Mar-22

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
22020734-001A	MW-1	02/22/2022 11:40	02/24/2022 7:50		
	Standard Methods 2320 B (Total) 1997, 2011				02/25/2022 9:10
	Standard Methods 2320 B 1997, 2011				02/25/2022 9:10
	Standard Methods 4500-NO2 B (Total) 2000, 2011				02/24/2022 10:40
	Standard Methods 4500-NO3 F (Total) 2000, 2011				02/24/2022 10:37
22020734-001B	MW-1	02/22/2022 11:40	02/24/2022 7:50		
	Field Elevation Measurements				02/22/2022 11:40
	Standard Method 4500-H B 2001 Field				02/22/2022 11:40
	Standard Methods 2130 B Field				02/22/2022 11:40
	Standard Methods 18th Ed. 2580 B Field				02/22/2022 11:40
	Standard Methods 2510 B Field				02/22/2022 11:40
	Standard Methods 2540 C (Total) 1997, 2011				03/01/2022 9:33
	Standard Methods 2550 B Field				02/22/2022 11:40
	Standard Methods 4500-O G Field				02/22/2022 11:40
	SW-846 9036 (Total)				03/01/2022 15:33
	SW-846 9214 (Total)				02/25/2022 10:54
	SW-846 9251 (Total)				02/25/2022 20:53
22020734-001C	MW-1	02/22/2022 11:40	02/24/2022 7:50		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/24/2022 10:27	02/25/2022 15:44
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			02/24/2022 10:27	03/06/2022 10:38
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			02/24/2022 10:27	03/07/2022 23:37
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			02/24/2022 10:27	03/08/2022 21:27
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			02/24/2022 10:27	03/10/2022 9:56
	SW-846 7470A (Total)			03/01/2022 13:38	03/02/2022 9:55
22020734-001D	MW-1	02/22/2022 11:40	02/24/2022 7:50		
	SW-846 9012A (Total)			02/25/2022 11:31	02/28/2022 10:34
22020734-002A	MW-2	02/22/2022 10:51	02/24/2022 7:50		
	Standard Methods 2320 B (Total) 1997, 2011				02/25/2022 9:18
	Standard Methods 2320 B 1997, 2011				02/25/2022 9:18
	Standard Methods 4500-NO2 B (Total) 2000, 2011				02/24/2022 10:39
	Standard Methods 4500-NO3 F (Total) 2000, 2011				02/24/2022 10:39
22020734-002B	MW-2	02/22/2022 10:51	02/24/2022 7:50		
	Field Elevation Measurements				02/22/2022 10:51
	Standard Method 4500-H B 2001 Field				02/22/2022 10:51
	Standard Methods 2130 B Field				02/22/2022 10:51
	Standard Methods 18th Ed. 2580 B Field				02/22/2022 10:51
	Standard Methods 2510 B Field				02/22/2022 10:51

Client: Ramboll **Work Order:** 22020734

Client Project: Kincaid Q1 Groundwater **Report Date:** 23-Mar-22

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			**Prep Date/Time**	**Analysis Date/Time**
	Standard Methods 2540 C (Total) 1997, 2011				03/01/2022 9:34
	Standard Methods 2550 B Field				02/22/2022 10:51
	Standard Methods 4500-O G Field				02/22/2022 10:51
	SW-846 9036 (Total)				02/25/2022 21:06
	SW-846 9214 (Total)				02/25/2022 10:56
	SW-846 9251 (Total)				02/25/2022 21:01
22020734-002C	MW-2	02/22/2022 10:51	02/24/2022 7:50		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/24/2022 10:27	02/25/2022 15:46
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			02/24/2022 10:27	03/06/2022 10:47
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			02/24/2022 10:27	03/07/2022 23:43
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			02/24/2022 10:27	03/08/2022 21:33
	SW-846 7470A (Total)			03/01/2022 13:38	03/02/2022 9:57
22020734-002D	MW-2	02/22/2022 10:51	02/24/2022 7:50		
	SW-846 9012A (Total)			02/25/2022 11:31	02/28/2022 10:39
22020734-005A	MW-5	02/22/2022 13:56	02/24/2022 7:50		
	Standard Methods 2320 B (Total) 1997, 2011				02/25/2022 9:34
	Standard Methods 2320 B 1997, 2011				02/25/2022 9:34
	Standard Methods 4500-NO2 B (Total) 2000, 2011				02/24/2022 10:41
	Standard Methods 4500-NO3 F (Total) 2000, 2011				02/24/2022 10:52
22020734-005B	MW-5	02/22/2022 13:56	02/24/2022 7:50		
	Field Elevation Measurements				02/22/2022 13:56
	Standard Method 4500-H B 2001 Field				02/22/2022 13:56
	Standard Methods 2130 B Field				02/22/2022 13:56
	Standard Methods 18th Ed. 2580 B Field				02/22/2022 13:56
	Standard Methods 2510 B Field				02/22/2022 13:56
	Standard Methods 2540 C (Total) 1997, 2011				03/01/2022 9:39
	Standard Methods 2550 B Field				02/22/2022 13:56
	Standard Methods 4500-O G Field				02/22/2022 13:56
	SW-846 9036 (Total)				02/25/2022 21:52
	SW-846 9214 (Total)				02/25/2022 11:01
	SW-846 9251 (Total)				02/25/2022 21:52
22020734-005C	MW-5	02/22/2022 13:56	02/24/2022 7:50		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/24/2022 10:27	02/25/2022 15:56
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			02/24/2022 10:27	03/06/2022 12:40
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			02/24/2022 10:27	03/08/2022 0:00
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			02/24/2022 10:27	03/08/2022 21:50
	SW-846 7470A (Total)			03/01/2022 13:38	03/02/2022 10:04

Client: Ramboll **Work Order:** 22020734

Client Project: Kincaid Q1 Groundwater **Report Date:** 23-Mar-22

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
22020734-005D	MW-5	02/22/2022 13:56	02/24/2022 7:50		
	SW-846 9012A (Total)			02/25/2022 11:31	02/28/2022 10:52
22020734-006A	MW-6	02/23/2022 12:46	02/24/2022 7:50		
	Standard Methods 2320 B (Total) 1997, 2011				02/25/2022 9:42
	Standard Methods 2320 B 1997, 2011				02/25/2022 9:42
	Standard Methods 4500-NO2 B (Total) 2000, 2011				02/24/2022 11:30
	Standard Methods 4500-NO3 F (Total) 2000, 2011				02/24/2022 10:55
22020734-006B	MW-6	02/23/2022 12:46	02/24/2022 7:50		
	Field Elevation Measurements				02/23/2022 12:46
	Standard Method 4500-H B 2001 Field				02/23/2022 12:46
	Standard Methods 2130 B Field				02/23/2022 12:46
	Standard Methods 18th Ed. 2580 B Field				02/23/2022 12:46
	Standard Methods 2510 B Field				02/23/2022 12:46
	Standard Methods 2540 C (Total) 1997, 2011				03/01/2022 9:46
	Standard Methods 2550 B Field				02/23/2022 12:46
	Standard Methods 4500-O G Field				02/23/2022 12:46
	SW-846 9036 (Total)				02/25/2022 22:05
	SW-846 9214 (Total)				02/25/2022 11:03
	SW-846 9251 (Total)				02/25/2022 22:00
22020734-006C	MW-6	02/23/2022 12:46	02/24/2022 7:50		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/24/2022 10:27	02/25/2022 15:57
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			02/24/2022 10:27	03/06/2022 12:49
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			02/24/2022 10:27	03/08/2022 0:06
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			02/24/2022 10:27	03/08/2022 21:55
	SW-846 7470A (Total)			03/01/2022 13:38	03/02/2022 10:06
22020734-006D	MW-6	02/23/2022 12:46	02/24/2022 7:50		
	SW-846 9012A (Total)			02/25/2022 11:31	02/28/2022 9:38
22020734-007A	MW-7	02/23/2022 11:57	02/24/2022 7:50		
	Standard Methods 2320 B (Total) 1997, 2011				02/25/2022 10:01
	Standard Methods 2320 B 1997, 2011				02/25/2022 10:01
	Standard Methods 4500-NO2 B (Total) 2000, 2011				02/24/2022 11:19
	Standard Methods 4500-NO3 F (Total) 2000, 2011				02/24/2022 11:10
22020734-007B	MW-7	02/23/2022 11:57	02/24/2022 7:50		
	Field Elevation Measurements				02/23/2022 11:57
	Standard Method 4500-H B 2001 Field				02/23/2022 11:57
	Standard Methods 2130 B Field				02/23/2022 11:57
	Standard Methods 18th Ed. 2580 B Field				02/23/2022 11:57

Client: Ramboll **Work Order:** 22020734

Client Project: Kincaid Q1 Groundwater **Report Date:** 23-Mar-22

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			**Prep Date/Time**	**Analysis Date/Time**
	Standard Methods 2510 B Field				02/23/2022 11:57
	Standard Methods 2540 C (Total) 1997, 2011				03/01/2022 17:16
	Standard Methods 2550 B Field				02/23/2022 11:57
	Standard Methods 4500-O G Field				02/23/2022 11:57
	SW-846 9036 (Total)				02/25/2022 22:13
	SW-846 9214 (Total)				02/25/2022 11:28
	SW-846 9251 (Total)				02/25/2022 22:08
22020734-007C	MW-7	02/23/2022 11:57	02/24/2022 7:50		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/24/2022 10:27	02/25/2022 15:59
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			02/24/2022 10:27	03/06/2022 12:58
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			02/24/2022 10:27	03/08/2022 0:12
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			02/24/2022 10:27	03/08/2022 22:01
	SW-846 7470A (Total)			03/01/2022 13:38	03/02/2022 10:09
22020734-007D	MW-7	02/23/2022 11:57	02/24/2022 7:50		
	SW-846 9012A (Total)			02/25/2022 11:31	02/28/2022 11:18
22020734-008A	MW-8	02/23/2022 10:50	02/24/2022 7:50		
	Standard Methods 2320 B (Total) 1997, 2011				02/25/2022 10:07
	Standard Methods 2320 B 1997, 2011				02/25/2022 10:07
	Standard Methods 4500-NO2 B (Total) 2000, 2011				02/24/2022 11:31
	Standard Methods 4500-NO3 F (Total) 2000, 2011				02/24/2022 11:12
22020734-008B	MW-8	02/23/2022 10:50	02/24/2022 7:50		
	Field Elevation Measurements				02/23/2022 10:50
	Standard Method 4500-H B 2001 Field				02/23/2022 10:50
	Standard Methods 2130 B Field				02/23/2022 10:50
	Standard Methods 18th Ed. 2580 B Field				02/23/2022 10:50
	Standard Methods 2510 B Field				02/23/2022 10:50
	Standard Methods 2540 C (Total) 1997, 2011				03/01/2022 17:16
	Standard Methods 2550 B Field				02/23/2022 10:50
	Standard Methods 4500-O G Field				02/23/2022 10:50
	SW-846 9036 (Total)				02/25/2022 22:21
	SW-846 9214 (Total)				02/25/2022 11:30
	SW-846 9251 (Total)				02/25/2022 22:16
22020734-008C	MW-8	02/23/2022 10:50	02/24/2022 7:50		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/24/2022 10:27	02/25/2022 16:01
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			02/24/2022 10:27	03/06/2022 13:06
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			02/24/2022 10:27	03/08/2022 0:48
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			02/24/2022 10:27	03/08/2022 22:06

Client: Ramboll **Work Order:** 22020734

Client Project: Kincaid Q1 Groundwater **Report Date:** 23-Mar-22

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			**Prep Date/Time**	**Analysis Date/Time**
	SW-846 7470A (Total)			03/01/2022 13:38	03/02/2022 10:11
22020734-008D	MW-8	02/23/2022 10:50	02/24/2022 7:50		
	SW-846 9012A (Total)			02/25/2022 11:31	02/28/2022 11:22
22020734-011A	MW-11	02/22/2022 12:11	02/24/2022 7:50		
	Standard Methods 2320 B (Total) 1997, 2011				02/25/2022 10:21
	Standard Methods 2320 B 1997, 2011				02/25/2022 10:21
	Standard Methods 4500-NO2 B (Total) 2000, 2011				02/24/2022 10:42
	Standard Methods 4500-NO3 F (Total) 2000, 2011				02/24/2022 11:19
22020734-011B	MW-11	02/22/2022 12:11	02/24/2022 7:50		
	Field Elevation Measurements				02/22/2022 12:11
	Standard Method 4500-H B 2001 Field				02/22/2022 12:11
	Standard Methods 2130 B Field				02/22/2022 12:11
	Standard Methods 18th Ed. 2580 B Field				02/22/2022 12:11
	Standard Methods 2510 B Field				02/22/2022 12:11
	Standard Methods 2540 C (Total) 1997, 2011				03/01/2022 9:40
	Standard Methods 2550 B Field				02/22/2022 12:11
	Standard Methods 4500-O G Field				02/22/2022 12:11
	SW-846 9036 (Total)				02/25/2022 23:01
	SW-846 9214 (Total)				02/25/2022 11:35
	SW-846 9251 (Total)				02/25/2022 22:56
22020734-011C	MW-11	02/22/2022 12:11	02/24/2022 7:50		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/24/2022 10:27	02/25/2022 16:03
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			02/24/2022 10:27	03/06/2022 13:32
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			02/24/2022 10:27	03/08/2022 1:06
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			02/24/2022 10:27	03/08/2022 22:45
	SW-846 7470A (Total)			03/01/2022 13:38	03/02/2022 10:22
22020734-011D	MW-11	02/22/2022 12:11	02/24/2022 7:50		
	SW-846 9012A (Total)			02/25/2022 11:31	02/28/2022 10:13
22020734-012A	MW-12	02/23/2022 14:01	02/24/2022 7:50		
	Standard Methods 2320 B (Total) 1997, 2011				02/25/2022 10:32
	Standard Methods 2320 B 1997, 2011				02/25/2022 10:32
	Standard Methods 4500-NO2 B (Total) 2000, 2011				02/24/2022 11:33
	Standard Methods 4500-NO3 F (Total) 2000, 2011				02/24/2022 11:28
22020734-012B	MW-12	02/23/2022 14:01	02/24/2022 7:50		
	Field Elevation Measurements				02/23/2022 14:01
	Standard Method 4500-H B 2001 Field				02/23/2022 14:01
	Standard Methods 2130 B Field				02/23/2022 14:01

Client: Ramboll **Work Order:** 22020734

Client Project: Kincaid Q1 Groundwater **Report Date:** 23-Mar-22

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			**Prep Date/Time**	**Analysis Date/Time**
	Standard Methods 18th Ed. 2580 B Field				02/23/2022 14:01
	Standard Methods 2510 B Field				02/23/2022 14:01
	Standard Methods 2540 C (Total) 1997, 2011				03/01/2022 17:16
	Standard Methods 2550 B Field				02/23/2022 14:01
	Standard Methods 4500-O G Field				02/23/2022 14:01
	SW-846 9036 (Total)				02/25/2022 23:09
	SW-846 9214 (Total)				02/25/2022 11:36
	SW-846 9251 (Total)				02/25/2022 23:04
22020734-012C	MW-12	02/23/2022 14:01	02/24/2022 7:50		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/24/2022 10:27	02/25/2022 16:04
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			02/24/2022 10:27	03/06/2022 13:41
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			02/24/2022 10:27	03/08/2022 1:12
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			02/24/2022 10:27	03/08/2022 22:51
	SW-846 7470A (Total)			03/01/2022 13:38	03/02/2022 10:24
22020734-012D	MW-12	02/23/2022 14:01	02/24/2022 7:50		
	SW-846 9012A (Total)			02/25/2022 11:31	02/28/2022 11:35
22020734-017A	SG-02	02/23/2022 13:33	02/24/2022 7:50		
	Field Elevation Measurements				02/23/2022 13:30
22020734-018A	XSG-01	02/22/2022 12:37	02/24/2022 7:50		
	Field Elevation Measurements				02/22/2022 12:37
22020734-019A	Duplicate MW-08	02/23/2022 10:50	02/24/2022 7:50		
	Standard Methods 2320 B (Total) 1997, 2011				02/25/2022 11:03
	Standard Methods 2320 B 1997, 2011				02/25/2022 11:03
	Standard Methods 4500-NO2 B (Total) 2000, 2011				02/24/2022 11:21
	Standard Methods 4500-NO3 F (Total) 2000, 2011				02/24/2022 11:30
22020734-019B	Duplicate MW-08	02/23/2022 10:50	02/24/2022 7:50		
	Field Elevation Measurements				02/23/2022 10:50
	Standard Method 4500-H B 2001 Field				02/23/2022 10:50
	Standard Methods 2130 B Field				02/23/2022 10:50
	Standard Methods 18th Ed. 2580 B Field				02/23/2022 10:50
	Standard Methods 2510 B Field				02/23/2022 10:50
	Standard Methods 2540 C (Total) 1997, 2011				03/01/2022 17:16
	Standard Methods 2550 B Field				02/23/2022 10:50
	Standard Methods 4500-O G Field				02/23/2022 10:50
	SW-846 9036 (Total)				02/26/2022 0:31
	SW-846 9214 (Total)				02/25/2022 11:51
	SW-846 9251 (Total)				02/26/2022 0:26

Client: Ramboll **Work Order:** 22020734

Client Project: Kincaid Q1 Groundwater **Report Date:** 23-Mar-22

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
22020734-019C	Duplicate MW-08	02/23/2022 10:50	02/24/2022 7:50		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/24/2022 10:27	02/25/2022 16:21
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			02/24/2022 10:27	03/06/2022 15:08
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			02/24/2022 10:27	03/08/2022 2:11
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			02/24/2022 10:27	03/08/2022 23:19
	SW-846 7470A (Total)			03/01/2022 13:38	03/02/2022 10:41
22020734-019D	Duplicate MW-08	02/23/2022 10:50	02/24/2022 7:50		
	SW-846 9012A (Total)			02/25/2022 11:31	02/28/2022 11:40
22020734-020A	Field Blank	02/23/2022 12:03	02/24/2022 7:50		
	Standard Methods 2320 B (Total) 1997, 2011				02/25/2022 11:08
	Standard Methods 2320 B 1997, 2011				02/25/2022 11:08
	Standard Methods 4500-NO2 B (Total) 2000, 2011				02/24/2022 11:33
	Standard Methods 4500-NO3 F (Total) 2000, 2011				02/24/2022 11:32
22020734-020B	Field Blank	02/23/2022 12:03	02/24/2022 7:50		
	Standard Methods 2540 C (Total) 1997, 2011				03/01/2022 17:16
	SW-846 9036 (Total)				02/26/2022 0:37
	SW-846 9214 (Total)				02/25/2022 11:53
	SW-846 9251 (Total)				02/26/2022 0:37
22020734-020C	Field Blank	02/23/2022 12:03	02/24/2022 7:50		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/24/2022 10:27	02/25/2022 16:23
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			02/24/2022 10:27	03/06/2022 15:17
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			02/24/2022 10:27	03/08/2022 2:17
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			02/24/2022 10:27	03/08/2022 23:24
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			03/20/2022 13:12	03/21/2022 14:02
	SW-846 7470A (Total)			03/01/2022 13:38	03/02/2022 10:47
22020734-020D	Field Blank	02/23/2022 12:03	02/24/2022 7:50		
	SW-846 9012A (Total)			02/25/2022 11:31	02/28/2022 11:44
22020734-021A	KI_141_AP1_Source Water	02/23/2022 14:32	02/24/2022 7:50		
	Standard Methods 2320 B (Total) 1997, 2011				02/25/2022 11:11
	Standard Methods 2320 B 1997, 2011				02/25/2022 11:11
22020734-021B	KI_141_AP1_Source Water	02/23/2022 14:32	02/24/2022 7:50		
	Field Elevation Measurements				02/23/2022 14:32
	Standard Method 4500-H B 2001 Field				02/23/2022 14:32
	Standard Methods 2130 B Field				02/23/2022 14:32
	Standard Methods 18th Ed. 2580 B Field				02/23/2022 14:32
	Standard Methods 2510 B Field				02/23/2022 14:32
	Standard Methods 2540 C (Total) 1997, 2011				03/01/2022 17:16

Client: Ramboll **Work Order:** 22020734

Client Project: Kincaid Q1 Groundwater **Report Date:** 23-Mar-22

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			**Prep Date/Time**	**Analysis Date/Time**
	Standard Methods 2550 B Field				02/23/2022 14:32
	Standard Methods 4500-O G Field				02/23/2022 14:32
	SW-846 9036 (Total)				02/26/2022 0:45
	SW-846 9214 (Total)				02/25/2022 11:56
	SW-846 9251 (Total)				02/26/2022 0:40
22020734-021C	KI_141_AP1_Source Water	02/23/2022 14:32	02/24/2022 7:50		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/24/2022 10:27	02/25/2022 16:25
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			02/24/2022 10:27	03/06/2022 15:25
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			02/24/2022 10:27	03/08/2022 2:23
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			02/24/2022 10:27	03/08/2022 23:30
	SW-846 7470A (Total)			03/01/2022 13:38	03/02/2022 10:50

Client: Ramboll **Work Order:** 22020734

Client Project: Kincaid Q1 Groundwater **Report Date:** 23-Mar-22

STANDARD METHOD 4500-H B 2001 FIELD

Batch R307774 **SampType:** LCS Units

SampID: LCS-R307774

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.02**	7.000	0	100.3	98.57	101.4	02/22/2022
pH	*	1.00		**7.09**	7.000	0	101.3	98.57	101.4	02/23/2022

STANDARD METHODS 2510 B FIELD

Batch R307774 **SampType:** LCS Units **µS/cm**

SampID: LCS-R307774

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1470**	1409	0	104.4	90	110	02/23/2022
Spec. Conductance, Field	*	0		**1430**	1409	0	101.4	90	110	02/22/2022

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R307763 **SampType:** MBLK Units **mg/L**

SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids	*	20		**< 20**	16.00	0	0	-100	100	03/01/2022
Total Dissolved Solids	*	20		**< 20**	16.00	0	0	-100	100	03/01/2022

Batch R307763 **SampType:** LCS Units **mg/L**

SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids	*	20		**930**	1000	0	93.0	90	110	03/01/2022
Total Dissolved Solids	*	20		**964**	1000	0	96.4	90	110	03/01/2022

Batch R307763 **SampType:** DUP Units **mg/L** RPD Limit: **5**

SampID: 22020734-011BDUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids	*	20		**628**				638.0	1.58	03/01/2022

Batch R307763 **SampType:** DUP Units **mg/L** RPD Limit: **5**

SampID: 22020734-016BDUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids	*	20	R	**350**				368.0	5.01	03/01/2022

Client: Ramboll **Work Order:** 22020734

Client Project: Kincaid Q1 Groundwater **Report Date:** 23-Mar-22

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R307763 **SampType:** DUP Units **mg/L** RPD Limit: **5**

SampID: 22020734-021BDUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids	*	20		**428**				446.0	4.12	03/01/2022

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

Batch R307473 **SampType:** MBLK Units **mg/L**

SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**< 0.05**	0.0250	0	0	-100	100	02/24/2022
Nitrogen, Nitrite (as N)		0.05		**< 0.05**	0.0250	0	0	-100	100	02/24/2022

Batch R307473 **SampType:** LCS Units **mg/L**

SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.25		**1.36**	1.460	0	93.5	90	110	02/24/2022
Nitrogen, Nitrite (as N)		0.25		**1.46**	1.460	0	100.3	90	110	02/24/2022

Batch R307473 **SampType:** MS Units **mg/L**

SampID: 22020734-007AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.48**	0.5000	0	96.4	85	115	02/24/2022

Batch R307473 **SampType:** MSD Units **mg/L** RPD Limit: **10**

SampID: 22020734-007AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.48**	0.5000	0	96.6	0.4820	0.21	02/24/2022

Batch R307473 **SampType:** MS Units **mg/L**

SampID: 22020734-019AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.48**	0.5000	0	95.6	85	115	02/24/2022

Batch R307473 **SampType:** MSD Units **mg/L** RPD Limit: **10**

SampID: 22020734-019AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.48**	0.5000	0	95.8	0.4780	0.21	02/24/2022

Client: Ramboll **Work Order:** 22020734

Client Project: Kincaid Q1 Groundwater **Report Date:** 23-Mar-22

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

Batch R307485 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**< 0.050**	0.0090	0	0	-100	100	02/24/2022

Batch R307485 **SampType:** LCS Units **mg/L**
SampID: ICV, LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.511**	0.5000	0	102.2	90	110	02/24/2022

Batch R307485 **SampType:** MS Units **mg/L**
SampID: 22020734-003AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.244**	0.2500	0	97.6	85	115	02/24/2022

Batch R307485 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 22020734-003AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.252**	0.2500	0	100.8	0.2440	3.23	02/24/2022

Batch R307485 **SampType:** MS Units **mg/L**
SampID: 22020734-011AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.302**	0.2500	0.05500	98.8	85	115	02/24/2022

Batch R307485 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 22020734-011AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.307**	0.2500	0.05500	100.8	0.3020	1.64	02/24/2022

SW-846 9012A (TOTAL)

Batch 188052 **SampType:** MBLK Units **mg/L**
SampID: MBLK 220225 TCN1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**< 0.005**	0.0015	0	0	-100	100	02/28/2022

Client: Ramboll **Work Order:** 22020734

Client Project: Kincaid Q1 Groundwater **Report Date:** 23-Mar-22

SW-846 9012A (TOTAL)

Batch 188052 **SampType:** LCS Units **mg/L**
SampID: LCS 220225 TCN1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.025**	0.0250	0	101.6	90	110	02/28/2022

Batch 188052 **SampType:** MS Units **mg/L**
SampID: 22020734-006DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.026**	0.0250	0	103.7	75	125	02/28/2022

Batch 188052 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 22020734-006DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.027**	0.0250	0	106.4	0.02592	2.55	02/28/2022

Batch 188052 **SampType:** MS Units **mg/L**
SampID: 22020734-011DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.027**	0.0250	0	107.0	75	125	02/28/2022

Batch 188052 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 22020734-011DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.028**	0.0250	0	110.2	0.02675	2.93	02/28/2022

SW-846 9036 (TOTAL)

Batch R307551 **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	02/25/2022

Batch R307551 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**20**	20.00	0	100.0	90	110	02/25/2022

Client: Ramboll **Work Order:** 22020734

Client Project: Kincaid Q1 Groundwater **Report Date:** 23-Mar-22

SW-846 9036 (TOTAL)

Batch R307551 **SampType:** MS Units **mg/L**
SampID: 22020734-003BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		100		**325**	200.0	129.5	97.6	85	115	02/25/2022

Batch R307551 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 22020734-003BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		100		**316**	200.0	129.5	93.3	324.7	2.66	02/25/2022

Batch R307682 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**< 10**	6.140	0	0	-100	100	03/01/2022

Batch R307682 **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	03/01/2022

Batch R307682 **SampType:** MS Units **mg/L**
SampID: 22020734-016BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50		**182**	100.0	75.14	106.9	85	115	03/01/2022

Batch R307682 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 22020734-016BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		50		**187**	100.0	75.14	111.9	182.0	2.74	03/01/2022

SW-846 9214 (TOTAL)

Batch R307528 **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	02/25/2022

Client: Ramboll **Work Order:** 22020734

Client Project: Kincaid Q1 Groundwater **Report Date:** 23-Mar-22

SW-846 9214 (TOTAL)

Batch R307528 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**1.02**	1.000	0	102.4	90	110	02/25/2022

Batch R307528 **SampType:** MS Units **mg/L**
SampID: 22020734-006BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.24**	2.000	0.1920	102.4	75	125	02/25/2022

Batch R307528 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 22020734-006BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.17**	2.000	0.1920	98.7	2.239	3.31	02/25/2022

Batch R307528 **SampType:** MS Units **mg/L**
SampID: 22020734-014BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.37**	2.000	0.3080	103.3	75	125	02/25/2022

Batch R307528 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 22020734-014BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.32**	2.000	0.3080	100.8	2.374	2.17	02/25/2022

Batch R307528 **SampType:** MS Units **mg/L**
SampID: 22020734-021BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.45**	2.000	0.4250	101.4	75	125	02/25/2022

Batch R307528 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 22020734-021BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.49**	2.000	0.4250	103.0	2.454	1.30	02/25/2022

Client: Ramboll **Work Order:** 22020734

Client Project: Kincaid Q1 Groundwater **Report Date:** 23-Mar-22

SW-846 9251 (TOTAL)

Batch R307552 **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		1		**< 1**	0.5000	0	0	-100	100	02/25/2022

Batch R307552 **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		1		**20**	20.00	0	100.4	90	110	02/25/2022

Batch R307552 **SampType:** MS Units **mg/L**
SampID: 22020734-003BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		1	E	**51**	20.00	31.94	95.8	85	115	02/25/2022

Batch R307552 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 22020734-003BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		1	E	**51**	20.00	31.94	95.6	51.11	0.12	02/25/2022

Batch R307552 **SampType:** MS Units **mg/L**
SampID: 22020734-016BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		1		**30**	20.00	10.23	100.0	85	115	02/25/2022

Batch R307552 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 22020734-016BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		1		**30**	20.00	10.23	101.2	30.23	0.76	02/25/2022

Batch R307683 **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		1		**< 1**	0.5000	0	0	-100	100	03/01/2022

Batch R307683 **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		1		**20**	20.00	0	101.6	90	110	03/01/2022

Client: Ramboll **Work Order:** 22020734

Client Project: Kincaid Q1 Groundwater **Report Date:** 23-Mar-22

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

Batch 188026 **SampType:** MBLK Units **mg/L**

SampID: MBLK-188026

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	02/25/2022
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	02/25/2022
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	02/25/2022
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	02/28/2022

Batch 188026 **SampType:** LCS Units **mg/L**

SampID: LCS-188026

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.50**	2.500	0	100.2	85	115	02/25/2022
Magnesium		0.0500		**2.58**	2.500	0	103.1	85	115	02/25/2022
Potassium		0.100		**2.54**	2.500	0	101.6	85	115	02/25/2022
Sodium		0.0500		**2.53**	2.500	0	101.1	85	115	02/25/2022

Batch 188026 **SampType:** MS Units **mg/L**

SampID: 22020734-021CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**72.6**	2.500	68.58	159.2	75	125	02/25/2022
Magnesium		0.050		**29.3**	2.500	26.24	123.4	75	125	02/25/2022
Potassium		0.100		**7.89**	2.500	5.354	101.3	75	125	02/25/2022
Sodium		0.050	S	**48.8**	2.500	45.14	146.8	75	125	02/25/2022

Batch 188026 **SampType:** MSD Units **mg/L** RPD Limit: **20**

SampID: 22020734-021CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**73.7**	2.500	68.58	205.2	72.56	1.57	02/25/2022
Magnesium		0.050	S	**29.7**	2.500	26.24	137.6	29.33	1.21	02/25/2022
Potassium		0.100		**7.92**	2.500	5.354	102.7	7.887	0.43	02/25/2022
Sodium		0.050	S	**49.2**	2.500	45.14	164.4	48.81	0.90	02/25/2022

Client: Ramboll **Work Order:** 22020734

Client Project: Kincaid Q1 Groundwater **Report Date:** 23-Mar-22

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

Batch 188026 **SampType:** MBLK Units **µg/L**

SampID: MBLK-188026

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**< 1.0**	0.4500	0	0	-100	100	03/06/2022
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	03/06/2022
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	03/06/2022
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	03/06/2022
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	03/07/2022
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	03/06/2022
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	03/06/2022
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	03/06/2022
Copper		1.0		**< 1.0**	0.2980	0	0	-100	100	03/07/2022
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	03/07/2022
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	03/06/2022
Lithium	*	3.0		**< 3.0**	1.450	0	0	-100	100	03/06/2022
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	03/06/2022
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	03/06/2022
Nickel		1.0		**< 1.0**	0.4300	0	0	-100	100	03/06/2022
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	03/06/2022
Silver		1.0		**< 1.0**	0.1110	0	0	-100	100	03/06/2022
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	03/06/2022
Vanadium		5.0		**< 5.0**	5.000	0	0	-100	100	03/06/2022
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	03/06/2022

Client: Ramboll **Work Order:** 22020734

Client Project: Kincaid Q1 Groundwater **Report Date:** 23-Mar-22

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

Batch 188026 **SampType:** LCS Units **µg/L**

SampID: LCS-188026

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**504**	500.0	0	100.7	80	120	03/06/2022
Arsenic		1.0		**518**	500.0	0	103.6	80	120	03/06/2022
Barium		1.0		**2180**	2000	0	109.2	80	120	03/07/2022
Beryllium		1.0		**51.3**	50.00	0	102.6	80	120	03/08/2022
Boron		25.0		**511**	500.0	0	102.1	80	120	03/07/2022
Cadmium		1.0		**51.3**	50.00	0	102.7	80	120	03/06/2022
Chromium		1.5		**214**	200.0	0	106.9	80	120	03/07/2022
Cobalt		1.0		**554**	500.0	0	110.7	80	120	03/07/2022
Copper		1.0		**287**	250.0	0	114.6	80	120	03/07/2022
Iron		25.0		**2140**	2000	0	106.8	80	120	03/07/2022
Lead		1.0		**535**	500.0	0	107.0	80	120	03/07/2022
Lithium	*	3.0		**559**	500.0	0	111.8	80	120	03/07/2022
Manganese		2.0		**534**	500.0	0	106.8	80	120	03/07/2022
Molybdenum		1.5		**549**	500.0	0	109.8	80	120	03/07/2022
Nickel		1.0		**563**	500.0	0	112.6	80	120	03/07/2022
Selenium		1.0		**478**	500.0	0	95.5	80	120	03/06/2022
Silver		1.0		**59.3**	50.00	0	118.6	80	120	03/07/2022
Thallium		2.0		**257**	250.0	0	103.0	80	120	03/07/2022
Vanadium		5.0		**542**	500.0	0	108.3	80	120	03/07/2022
Zinc		15.0		**510**	500.0	0	102.0	80	120	03/07/2022

Client: Ramboll **Work Order:** 22020734

Client Project: Kincaid Q1 Groundwater **Report Date:** 23-Mar-22

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

Batch 188026 **SampType:** MS Units **µg/L**

SampID: 22020734-021CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**530**	500.0	0	106.1	75	125	03/06/2022
Arsenic		1.0		**542**	500.0	1.345	108.1	75	125	03/06/2022
Barium		1.0		**2350**	2000	169.8	108.9	75	125	03/08/2022
Beryllium		1.0		**56.0**	50.00	0	111.9	75	125	03/08/2022
Boron		25.0		**1280**	500.0	695.7	116.3	75	125	03/08/2022
Cadmium		1.0		**51.3**	50.00	0	102.6	75	125	03/06/2022
Chromium		1.5		**211**	200.0	1.001	105.0	75	125	03/08/2022
Cobalt		1.0		**526**	500.0	0.2735	105.2	75	125	03/08/2022
Lead		1.0		**536**	500.0	0.6095	107.1	75	125	03/08/2022
Lithium	*	3.0		**593**	500.0	8.737	116.8	75	125	03/08/2022
Molybdenum		1.5		**562**	500.0	9.495	110.5	75	125	03/08/2022
Selenium		1.0		**506**	500.0	1.028	100.9	75	125	03/08/2022
Thallium		2.0		**259**	250.0	0	103.6	75	125	03/08/2022

Batch 188026 **SampType:** MSD Units **µg/L** RPD Limit: **20**

SampID: 22020734-021CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		1.0		**530**	500.0	0	106.0	530.4	0.05	03/06/2022
Arsenic		1.0		**537**	500.0	1.345	107.2	542.0	0.83	03/06/2022
Barium		1.0		**2380**	2000	169.8	110.3	2348	1.15	03/08/2022
Beryllium		1.0		**53.1**	50.00	0	106.1	55.96	5.30	03/09/2022
Boron		25.0		**1280**	500.0	695.7	116.0	1277	0.15	03/09/2022
Cadmium		1.0		**51.3**	50.00	0	102.6	51.28	0.00	03/06/2022
Chromium		1.5		**206**	200.0	1.001	102.5	210.9	2.33	03/08/2022
Cobalt		1.0		**521**	500.0	0.2735	104.1	526.0	0.97	03/08/2022
Lead		1.0		**526**	500.0	0.6095	105.1	536.2	1.90	03/08/2022
Lithium	*	3.0		**590**	500.0	8.737	116.2	592.6	0.45	03/09/2022
Molybdenum		1.5		**546**	500.0	9.495	107.3	561.9	2.86	03/08/2022
Selenium		1.0		**497**	500.0	1.028	99.2	505.6	1.76	03/08/2022
Thallium		2.0		**260**	250.0	0	104.0	259.0	0.37	03/08/2022

Batch 188652 **SampType:** LCS Units **µg/L**

SampID: LCS-188652

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		1.0		**490**	500.0	0	98.1	80	120	03/18/2022
Iron		25.0		**1860**	2000	0	92.8	80	120	03/18/2022

Client: Ramboll **Work Order:** 22020734

Client Project: Kincaid Q1 Groundwater **Report Date:** 23-Mar-22

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

Batch 188756 **SampType:** MBLK Units **µg/L**
SampID: MBLK-188756

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	03/21/2022

Batch 188756 **SampType:** LCS Units **µg/L**
SampID: LCS-188756

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Iron		25.0		**1930**	2000	0	96.5	80	120	03/21/2022

Batch 188756 **SampType:** DUP Units **µg/L** RPD Limit: **20**
SampID: 22020734-020CDUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Iron		25.0		**< 25.0**				0	0.00	03/21/2022

SW-846 7470A (TOTAL)

Batch 188084 **SampType:** MBLK Units **µg/L**
SampID: MBLK-188084

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	02/28/2022

Batch 188168 **SampType:** MBLK Units **µg/L**
SampID: MBLK-188168

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**< 0.20**	0.0550	0	0	-100	100	03/02/2022

Batch 188168 **SampType:** LCS Units **µg/L**
SampID: LCS-188168

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.88**	5.000	0	97.7	85	115	03/02/2022

Batch 188168 **SampType:** LCS Units **µg/L**
SampID: LCSD-188168

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.97**	5.000	0	99.3	85	115	03/02/2022

Client: Ramboll **Work Order:** 22020734

Client Project: Kincaid Q1 Groundwater **Report Date:** 23-Mar-22

SW-846 7470A (TOTAL)

Batch 188168 **SampType:** MS Units **µg/L**

SampID: 22020734-012CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.63**	5.000	0	92.6	75	125	03/02/2022

Batch 188168 **SampType:** MSD Units **µg/L** RPD Limit: **15**

SampID: 22020734-012CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**4.64**	5.000	0	92.9	4.630	0.30	03/02/2022

Receiving Check List

http://www.teklabinc.com/

Client: Ramboll
Work Order: 22020734
Client Project: Kincaid Q1 Groundwater
Report Date: 23-Mar-22

Carrier: Adam Bridges
Received By: PRY

Completed by: Mary E. Kemp
On: 24-Feb-22
Mary E. Kemp

Reviewed by: Elizabeth A. Hurley
On: 24-Feb-22
Elizabeth A. Hurley

Pages to follow: Chain of custody 2 Extra pages included 0

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C 1.8
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 #78011/75645. - MKemp - 2/24/2022 9:39:03 AM

Additional nitric acid (80456) was needed in MW-4 and MW-5 upon arrival at the laboratory. Additional sodium hydroxide (78408) was need in all samples for cyanide analysis except MW-7, MW-9, and Field Blank upon arrival at the laboratory. - MKemp - 2/24/2022 9:39:05 AM

MW-7 was split and preserved with nitric acid (80456) upon arrival at the laboratory. - MKemp - 2/24/2022 9:39:07 AM

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CHAIN OF CUSTODY

Pg 1 of 2 Workorder # 22020734

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

Client: Ramboll/Vistra
Address: 234 W. Florida St.
City/State/Zip: Milwaukee, WI 53204
Contact: Eric Bauer Phone: (414) 837-3607
Email: eric.bauer@ramboll.com Fax:

Samples on: [X] ICE [ ] BLUE ICE [ ] NO ICE 1.8 °C LTG# 1

Preserved in: [X] LAB [ ] FIELD

FOR LAB USE ONLY

LAB NOTES: 78011/75645, additional HNO3 (SC456) to mw-4, mw-5 and additional NaOH (78405) to all except mw-7, mw-8 and FB MEK 2/24/22
mw-7 split & preserved w/ HNO3 (SC456) MEK 2/24/22

Client Comments: SG-02 we need to get from T. Arnold at site.

Are these samples known to be involved in litigation? If yes, a surcharge will apply: [ ] Yes [X] No
Are these samples known to be hazardous? [ ] Yes [X] No
Are there any required reporting limits to be met on the requested analysis?. If yes, please provide limits in the comment section: [ ] Yes [X] No

2 project reports will be generated.
CCR metals: Sb As Ba B Be Cd Ca Cr Co Pb Li Mg Hg Mo K Se Na Tl
IEPA metals includes Cu Mg Ni Ag V Zn but no Ca Li Mg Mo K Na
Per Eric Bauer (Ramboll), report total Fe not Ferric Fe. 4pm shipper

PROJECT NAME/NUMBER: Kincaid Q1 Groundwater

SAMPLE COLLECTOR'S NAME: J. RILEY A. RIDGES

RESULTS REQUESTED
[ ] Standard [ ] 1-2 Day (100% Surcharge)
[ ] Other _____ [ ] 3 Day (50% Surcharge)

BILLING INSTRUCTIONS: Vistra PO#

Lab Use Only	Sample ID	Date/Time Sampled	Matrix	# and Type of Containers: UNP	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	TSP	Other	INDICATE ANALYSIS REQUESTED: Field Tests	Cl, F, SO4	TDS	Bicarb/Carb	Total Metals	Total Cyanide	Ferric Iron	Nitrate
22020734-001	MW-01	02/22/22 1140	Groundwater	2	1	1	1	1					✓	✓	✓	✓	✓	✓	✓	✓
002	MW-02	02/22/22 1051	Groundwater	2	1	1	1	1					✓	✓	✓	✓	✓	✓	✓	✓
003	MW-03	02/22/22 1254	Groundwater	2	1	1	1	1					✓	✓	✓	✓	✓	✓	✓	✓
004	MW-04	02/22/22 1330	Groundwater	2	1	1	1	1					✓	✓	✓	✓	✓	✓	✓	✓
005	MW-05	02/22/22 1556	Groundwater	2	1	1	1	1					✓	✓	✓	✓	✓	✓	✓	✓
006	MW-06	02/23/22 1246	Groundwater	2	1	1	1	1					✓	✓	✓	✓	✓	✓	✓	✓
007	MW-07	02/23/22 1157	Groundwater	2	1	1	1	1					✓	✓	✓	✓	✓	✓	✓	✓
008	MW-08	02/23/22 1050	Groundwater	2	1	1	1	1					✓	✓	✓	✓	✓	✓	✓	✓
009	MW-09	02/23/22 0946	Groundwater	2	1	1	1	1					✓	✓	✓	✓	✓	✓	✓	✓
010	MW-10	02/23/22 1020	Groundwater	2	1	1	1	1					✓	✓	✓	✓	✓	✓	✓	✓
011	MW-11	02/23/22 1211	Groundwater	2	1	1	1	1					✓	✓	✓	✓	✓	✓	✓	✓

Relinquished By	Date/Time	Received By	Date/Time
	2-25-22 0750		2/24/22 0750

*The individual signing this agreement on behalf of the client, acknowledges that he/she has read and understands the terms and conditions of this agreement, and that he/she has the authority to sign on behalf of the client. See www.teklabinc.com for terms and conditions

CoC Rev C Aug 2020

2/24/22

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CHAIN OF CUSTODY

Pg 1 of 1 Workorder # 22020734

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

Client: Ramboll/Vistra
Address: 234 W. Florida St.
City/State/Zip: Milwaukee, WI 53204
Contact: Eric Bauer Phone: (414) 837-3607
Email: eric.bauer@ramboll.com Fax:

Samples on: [V] ICE [ ] BLUE ICE [ ] NO ICE 1.8 °C LTG# 1
Preserved in: [ ] LAB [ ] FIELD FOR LAB USE ONLY
LAB NOTES:

Are these samples known to be involved in litigation? If yes, a surcharge will apply: [ ] Yes [✓] No
Are these samples known to be hazardous? [ ] Yes [✓] No
Are there any required reporting limits to be met on the requested analysis?. If yes, please provide limits in the comment section: [ ] Yes [✓] No

Client Comments:
2 project reports will be generated.
CCR metals: Sb As Ba B Be Cd Ca Cr Co Pb Li Mg Hg Mo K Se Na Tl
IEPA metals includes Cu Mg Ni Ag V Zn but no Ca Li Mg Mo K Na

PROJECT NAME/NUMBER: Kincaid Q1 Groundwater
SAMPLE COLLECTOR'S NAME: D. RILEY A. BRIDGES

RESULTS REQUESTED: [ ] Standard [ ] 1-2 Day (100% Surcharge) [ ] Other [ ] 3 Day (50% Surcharge)
BILLING INSTRUCTIONS: Vistra PO#

Lab Use Only	Sample ID	Date/Time Sampled	Matrix	# and Type of Containers: UNP	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	TSP	Other	INDICATE ANALYSIS REQUESTED: Field Tests	Cl, F-, SO4	TDS	Bicarb/Carb	Total Metals	Total Cyanide	Ferric Iron	Nitrate	Depth to Water	GW elevation
22020734-012	MW-12	02/23/22 0940	Groundwater	2	1	1	1	1					✓	✓	✓	✓	✓	✓	✓	✓		
013	XPW01	02/23/22 1116	Groundwater	2	1								✓	✓	✓	✓	✓					
014	XPW02	02/22/22 1600	Groundwater	2	1								✓	✓	✓	✓	✓					
015	XPW03	02/22/22 1526	Groundwater	2	1								✓	✓	✓	✓	✓					
016	XPW04	02/23/22 1438	Groundwater	2	1								✓	✓	✓	✓	✓					
017	SG-02 LAKE	02/23/22 1333	Groundwater	0																	✓	✓
018	XSG-01	02/23/22 1237	Groundwater	0																	✓	✓
019	DUPLICATE MW-08	02/23/22 1050	Groundwater	2	1	1	1	1					✓	✓	✓	✓	✓	✓	✓	✓		
020	FIELD BLANK	02/23/22 1203	Groundwater	2	1	1	1	1					✓	✓	✓	✓	✓	✓	✓	✓		
021	KI_141_API_Source Water	02/23/22 1432	Groundwater	2	1								✓	✓	✓	✓	✓					
			Groundwater																			

Relinquished By	Date/Time	Received By	Date/Time
	2-24-22 0750		2/24/22 0750

*The individual signing this agreement on behalf of the client, acknowledges that he/she has read and understands the terms and conditions of this agreement, and that he/she has the authority to sign on behalf of the client. See www.teklabinc.com for terms and conditions

CoC Rev C Aug 2020

PM 2/24/22

April 01, 2022

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: Kincaid Q1 Groundwater **WorkOrder:** 22020736

Dear Eric Bauer:

TEKLAB, INC received 18 samples on 2/24/2022 7:50:00 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
Project Manager
(618)344-1004 ex 33
ehurley@teklabinc.com

Report Contents

http://www.teklabinc.com/

Client: Ramboll
Work Order: 22020736
Client Project: Kincaid Q1 Groundwater
Report Date: 01-Apr-22

This reporting package includes the following:

Client: Ramboll **Work Order:** 22020736

Client Project: Kincaid Q1 Groundwater **Report Date:** 01-Apr-22

Abbr Definition

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

Client: Ramboll **Work Order:** 22020736

Client Project: Kincaid Q1 Groundwater **Report Date:** 01-Apr-22

Qualifiers

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

Case Narrative

http://www.teklabinc.com/

Client: Ramboll
Work Order: 22020736
Client Project: Kincaid Q1 Groundwater
Report Date: 01-Apr-22

Cooler Receipt Temp: 1.8 °C

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

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

Kincaid 257_141 program data is included in this report. EAH 3/23/22

This report was revised on April 1, 2022 per Eric Bauer's request. The reason for the revision is to corrected transcription errors in the collection dates for 22020736-017 and 22020736-018 within the subcontracting report. Please replace report dated March 23, 2022 with this report. EAH 4/1/22

Locations

Collinsville

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

Springfield

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

Kansas City

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

Collinsville Air

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

Chicago

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

Client: Ramboll **Work Order:** 22020736

Client Project: Kincaid Q1 Groundwater **Report Date:** 01-Apr-22

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2023	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2022	Collinsville
Louisiana	LDEQ	05002	NELAP	6/30/2022	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2022	Collinsville
Oklahoma	ODEQ	9978	NELAP	8/31/2022	Collinsville
Arkansas	ADEQ	88-0966		3/14/2023	Collinsville
Illinois	IDPH	17584		5/31/2023	Collinsville
Kentucky	UST	0073		1/31/2023	Collinsville
Missouri	MDNR	00930		5/31/2023	Collinsville
Missouri	MDNR	930		1/31/2025	Collinsville

Client: Ramboll **Work Order:** 22020736

Client Project: Kincaid Q1 Groundwater **Report Date:** 01-Apr-22

Lab ID: 22020736-001 **Client Sample ID:** MW-1

Matrix: GROUNDWATER **Collection Date:** 02/22/2022 11:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		**See Attached**	pci/L	1	03/08/2022 0:00	R308307
Radium-228	*	0		**See Attached**	pci/L	1	03/08/2022 0:00	R308307

Client: Ramboll **Work Order:** 22020736

Client Project: Kincaid Q1 Groundwater **Report Date:** 01-Apr-22

Lab ID: 22020736-002 **Client Sample ID:** MW-2

Matrix: GROUNDWATER **Collection Date:** 02/22/2022 10:51

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		**See Attached**	pci/L	1	03/08/2022 0:00	R308307
Radium-228	*	0		**See Attached**	pci/L	1	03/08/2022 0:00	R308307

Client: Ramboll **Work Order:** 22020736

Client Project: Kincaid Q1 Groundwater **Report Date:** 01-Apr-22

Lab ID: 22020736-005 **Client Sample ID:** MW-5

Matrix: GROUNDWATER **Collection Date:** 02/22/2022 13:56

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		**See Attached**	pci/L	1	03/08/2022 0:00	R308307
Radium-228	*	0		**See Attached**	pci/L	1	03/08/2022 0:00	R308307

Client: Ramboll **Work Order:** 22020736

Client Project: Kincaid Q1 Groundwater **Report Date:** 01-Apr-22

Lab ID: 22020736-006 **Client Sample ID:** MW-6

Matrix: GROUNDWATER **Collection Date:** 02/23/2022 12:46

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		**See Attached**	pci/L	1	03/08/2022 0:00	R308307
Radium-228	*	0		**See Attached**	pci/L	1	03/08/2022 0:00	R308307

Client: Ramboll **Work Order:** 22020736

Client Project: Kincaid Q1 Groundwater **Report Date:** 01-Apr-22

Lab ID: 22020736-007 **Client Sample ID:** MW-7

Matrix: GROUNDWATER **Collection Date:** 02/23/2022 11:57

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		**See Attached**	pci/L	1	03/08/2022 0:00	R308307
Radium-228	*	0		**See Attached**	pci/L	1	03/08/2022 0:00	R308307

Client: Ramboll **Work Order:** 22020736

Client Project: Kincaid Q1 Groundwater **Report Date:** 01-Apr-22

Lab ID: 22020736-008 **Client Sample ID:** MW-8

Matrix: GROUNDWATER **Collection Date:** 02/23/2022 10:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		**See Attached**	pci/L	1	03/08/2022 0:00	R308307
Radium-228	*	0		**See Attached**	pci/L	1	03/08/2022 0:00	R308307

Client: Ramboll **Work Order:** 22020736

Client Project: Kincaid Q1 Groundwater **Report Date:** 01-Apr-22

Lab ID: 22020736-011 **Client Sample ID:** MW-11

Matrix: GROUNDWATER **Collection Date:** 02/22/2022 12:11

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		**See Attached**	pci/L	1	03/08/2022 0:00	R308307
Radium-228	*	0		**See Attached**	pci/L	1	03/08/2022 0:00	R308307

Client: Ramboll **Work Order:** 22020736

Client Project: Kincaid Q1 Groundwater **Report Date:** 01-Apr-22

Lab ID: 22020736-012 **Client Sample ID:** MW-12

Matrix: GROUNDWATER **Collection Date:** 02/23/2022 14:01

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		**See Attached**	pci/L	1	03/08/2022 0:00	R308307
Radium-228	*	0		**See Attached**	pci/L	1	03/08/2022 0:00	R308307

Client: Ramboll **Work Order:** 22020736

Client Project: Kincaid Q1 Groundwater **Report Date:** 01-Apr-22

Lab ID: 22020736-013 **Client Sample ID:** XPW01

Matrix: GROUNDWATER **Collection Date:** 02/23/2022 9:16

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		**See Attached**	pci/L	1	03/08/2022 0:00	R308307
Radium-228	*	0		**See Attached**	pci/L	1	03/08/2022 0:00	R308307

Client: Ramboll **Work Order:** 22020736

Client Project: Kincaid Q1 Groundwater **Report Date:** 01-Apr-22

Lab ID: 22020736-014 **Client Sample ID:** XPW02

Matrix: GROUNDWATER **Collection Date:** 02/22/2022 16:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		**See Attached**	pci/L	1	03/08/2022 0:00	R308307
Radium-228	*	0		**See Attached**	pci/L	1	03/08/2022 0:00	R308307

Client: Ramboll **Work Order:** 22020736

Client Project: Kincaid Q1 Groundwater **Report Date:** 01-Apr-22

Lab ID: 22020736-015 **Client Sample ID:** XPW03

Matrix: GROUNDWATER **Collection Date:** 02/22/2022 15:26

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		**See Attached**	pci/L	1	03/08/2022 0:00	R308307
Radium-228	*	0		**See Attached**	pci/L	1	03/08/2022 0:00	R308307

Client: Ramboll **Work Order:** 22020736

Client Project: Kincaid Q1 Groundwater **Report Date:** 01-Apr-22

Lab ID: 22020736-016 **Client Sample ID:** XPW04

Matrix: GROUNDWATER **Collection Date:** 02/22/2022 14:38

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		**See Attached**	pci/L	1	03/08/2022 0:00	R308307
Radium-228	*	0		**See Attached**	pci/L	1	03/08/2022 0:00	R308307

Client: Ramboll **Work Order:** 22020736

Client Project: Kincaid Q1 Groundwater **Report Date:** 01-Apr-22

Lab ID: 22020736-017 **Client Sample ID:** Field Blank

Matrix: AQUEOUS **Collection Date:** 02/23/2022 12:03

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		**See Attached**	pci/L	1	03/08/2022 0:00	R308307
Radium-228	*	0		**See Attached**	pci/L	1	03/08/2022 0:00	R308307

Client: Ramboll **Work Order:** 22020736

Client Project: Kincaid Q1 Groundwater **Report Date:** 01-Apr-22

Lab ID: 22020736-018 **Client Sample ID:** KI_141_AP1_Source Water

Matrix: GROUNDWATER **Collection Date:** 02/23/2022 14:32

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		**See Attached**	pci/L	1	03/08/2022 0:00	R308307
Radium-228	*	0		**See Attached**	pci/L	1	03/08/2022 0:00	R308307

Client: Ramboll
Work Order: 22020736
Client Project: Kincaid Q1 Groundwater
Report Date: 01-Apr-22

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
22020736-001	MW-1	Groundwater	1	02/22/2022 11:40
22020736-002	MW-2	Groundwater	1	02/22/2022 10:51
22020736-005	MW-5	Groundwater	1	02/22/2022 13:56
22020736-006	MW-6	Groundwater	1	02/23/2022 12:46
22020736-007	MW-7	Groundwater	1	02/23/2022 11:57
22020736-008	MW-8	Groundwater	1	02/23/2022 10:50
22020736-011	MW-11	Groundwater	1	02/22/2022 12:11
22020736-012	MW-12	Groundwater	1	02/23/2022 14:01
22020736-013	XPW01	Groundwater	1	02/23/2022 9:16
22020736-014	XPW02	Groundwater	1	02/22/2022 16:00
22020736-015	XPW03	Groundwater	1	02/22/2022 15:26
22020736-016	XPW04	Groundwater	1	02/22/2022 14:38
22020736-017	Field Blank	Aqueous	1	02/23/2022 12:03
22020736-018	KI_141_AP1_Source Water	Groundwater	1	02/23/2022 14:32

Client: Ramboll **Work Order:** 22020736

Client Project: Kincaid Q1 Groundwater **Report Date:** 01-Apr-22

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
22020736-001A	MW-1	02/22/2022 11:40	02/24/2022 7:50		
	EPA 903.0/904.0, Radium 226/228				03/08/2022 0:00
22020736-002A	MW-2	02/22/2022 10:51	02/24/2022 7:50		
	EPA 903.0/904.0, Radium 226/228				03/08/2022 0:00
22020736-005A	MW-5	02/22/2022 13:56	02/24/2022 7:50		
	EPA 903.0/904.0, Radium 226/228				03/08/2022 0:00
22020736-006A	MW-6	02/23/2022 12:46	02/24/2022 7:50		
	EPA 903.0/904.0, Radium 226/228				03/08/2022 0:00
22020736-007A	MW-7	02/23/2022 11:57	02/24/2022 7:50		
	EPA 903.0/904.0, Radium 226/228				03/08/2022 0:00
22020736-008A	MW-8	02/23/2022 10:50	02/24/2022 7:50		
	EPA 903.0/904.0, Radium 226/228				03/08/2022 0:00
22020736-011A	MW-11	02/22/2022 12:11	02/24/2022 7:50		
	EPA 903.0/904.0, Radium 226/228				03/08/2022 0:00
22020736-012A	MW-12	02/23/2022 14:01	02/24/2022 7:50		
	EPA 903.0/904.0, Radium 226/228				03/08/2022 0:00
22020736-013A	XPW01	02/23/2022 9:16	02/24/2022 7:50		
	EPA 903.0/904.0, Radium 226/228				03/08/2022 0:00
22020736-014A	XPW02	02/22/2022 16:00	02/24/2022 7:50		
	EPA 903.0/904.0, Radium 226/228				03/08/2022 0:00
22020736-015A	XPW03	02/22/2022 15:26	02/24/2022 7:50		
	EPA 903.0/904.0, Radium 226/228				03/08/2022 0:00
22020736-016A	XPW04	02/22/2022 14:38	02/24/2022 7:50		
	EPA 903.0/904.0, Radium 226/228				03/08/2022 0:00
22020736-017A	Field Blank	02/23/2022 12:03	02/24/2022 7:50		
	EPA 903.0/904.0, Radium 226/228				03/08/2022 0:00
22020736-018A	KI_141_AP1_Source Water	02/23/2022 14:32	02/24/2022 7:50		
	EPA 903.0/904.0, Radium 226/228				03/08/2022 0:00

Receiving Check List

Teklab, Inc. Environmental Laboratory

http://www.teklabinc.com/

Client: Ramboll
Work Order: 22020736
Client Project: Kincaid Q1 Groundwater
Report Date: 01-Apr-22

Carrier: Adam Bridges
Received By: MEK

Completed by: Mary E. Kemp
On: 24-Feb-22
Mary E. Kemp

Reviewed by: Elizabeth A. Hurley
On: 24-Feb-22
Elizabeth A. Hurley

Pages to follow: Chain of custody 2 Extra pages included 31

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C 1.8
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 #78011. - MKemp - 2/24/2022 9:57:06 AM

Additional nitric acid (80456) was needed in MW4, MW5, and MW12 upon arrival at the laboratory. - MKemp - 2/24/2022 9:57:13 AM

PRINT PDF

CHAIN OF CUSTODY

Pg 1 of 2 Workorder # 22020736

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

Client: Ramboll/Vistra
Address: 234 W. Florida St.
City/State/Zip: Milwaukee, WI 53204
Contact: Eric Bauer Phone: (414) 837-3607
Email: eric.bauer@ramboll.com Fax:

Samples on: [X] ICE [ ] BLUE ICE [ ] NO ICE 1.8 °C LTG# 1
Preserved in: [/] LAB [ ] FIELD FOR LAB USE ONLY
LAB NOTES: 7801, additional HNO3(8045G) to mw4, mw5 & mw12 MEK 2/24/22

Client Comments:
2 project reports will be generated.

Are these samples known to be involved in litigation? If yes, a surcharge will apply: [ ] Yes [✔] No
Are these samples known to be hazardous? [ ] Yes [✔] No
Are there any required reporting limits to be met on the requested analysis?. If yes, please provide limits in the comment section: [ ] Yes [✔] No

PROJECT NAME/NUMBER: Kincaid Q1 Groundwater
SAMPLE COLLECTOR'S NAME: J. RILEY A. BRIDGES

RESULTS REQUESTED
[ ] Standard [ ] 1-2 Day (100% Surcharge)
[ ] Other _____ [ ] 3 Day (50% Surcharge)

BILLING INSTRUCTIONS
Vistra PO#

Lab Use Only	Sample ID	Date/Time Sampled	Matrix	# and Type of Containers: UNP	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	TSP	Other	INDICATE ANALYSIS REQUESTED: Radium 226	Radium 228
22020736-001	MW-01	02/22/22 1140	Groundwater		2								✔	✔
002	MW-02	02/22/22 1051	Groundwater		2								✔	✔
003	MW-03	02/22/22 1254	Groundwater		2								✔	✔
004	MW-04	02/22/22 1330	Groundwater		2								✔	✔
005	MW-05	02/22/22 1356	Groundwater		2								✔	✔
006	MW-06	02/23/22 1046	Groundwater		2								✔	✔
007	MW-07	02/23/22 1157	Groundwater		2								✔	✔
008	MW-08	02/23/22 1050	Groundwater		2								✔	✔
009	MW-09	02/23/22 0946	Groundwater		2								✔	✔
010	MW-10	02/23/22 1020	Groundwater		2								✔	✔
011	MW-11	02/22/22 1211	Groundwater		2								✔	✔

Relinquished By	Date/Time	Received By	Date/Time
	2-24-22 0750	Mary Kemp	2/24/22 0750

*The individual signing this agreement on behalf of the client, acknowledges that he/she has read and understands the terms and conditions of this agreement, and that he/she has the authority to sign on behalf of the client. See www.teklabinc.com for terms and conditions

CoC Rev C Aug 2020

PRY/MH 2/24/22

PRINT PDF

CHAIN OF CUSTODY

Pg 2 of 2 Workorder # 22020736

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

Client: Ramboll/Vistra
Address: 234 W. Florida St.
City/State/Zip: Milwaukee, WI 53204
Contact: Eric Bauer Phone: (414) 837-3607
Email: eric.bauer@ramboll.com Fax:

Samples on: ☑ ICE ☐ BLUE ICE ☐ NO ICE 1.8 °C LTG# 1
Preserved in: ☐ LAB ☐ FIELD FOR LAB USE ONLY
LAB NOTES:

Client Comments:
2 project reports will be generated.

Are these samples known to be involved in litigation? If yes, a surcharge will apply: ☐ Yes ☑ No
Are these samples known to be hazardous? ☐ Yes ☑ No
Are there any required reporting limits to be met on the requested analysis?. If yes, please provide limits in the comment section: ☐ Yes ☑ No

PROJECT NAME/NUMBER: Kincaid Q1 Groundwater
SAMPLE COLLECTOR'S NAME: RILEY A. BRIDGES

RESULTS REQUESTED
☐ Standard ☐ 1-2 Day (100% Surcharge)
☐ Other ☐ 3 Day (50% Surcharge)

BILLING INSTRUCTIONS
Vistra PO#

Lab Use Only	Sample ID	Date/Time Sampled	Matrix	# and Type of Containers: UNP	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	TSP	Other	INDICATE ANALYSIS REQUESTED: Radium 226	Radium 228
22020736-012	MW-12	02/23/22 1401	Groundwater		2								✓	✓
013	XPW01	02/23/22 0916	Groundwater		2								✓	✓
014	XPW02	02/22/22 1600	Groundwater		2								✓	✓
015	XPW03	02/22/22 1526	Groundwater		2								✓	✓
016	XPW04	02/22/22 1438	Groundwater		2								✓	✓
017	Field Blank	02/23/22 1202	Aqueous		2								✓	✓
018	KI_141_AP1_Source Water	02/23/22 1432	Groundwater		2								✓	✓
			Groundwater											
			Groundwater											
			Groundwater											
			Groundwater											

Relinquished By	Date/Time	Received By	Date/Time
[signature]	2-25-22 0750	Mary Kemp	2/24/22 0750

*The individual signing this agreement on behalf of the client, acknowledges that he/she has read and understands the terms and conditions of this agreement, and that he/she has the authority to sign on behalf of the client. See www.teklabinc.com for terms and conditions

ANALYTICAL REPORT

March 31, 2022

Revised Report

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

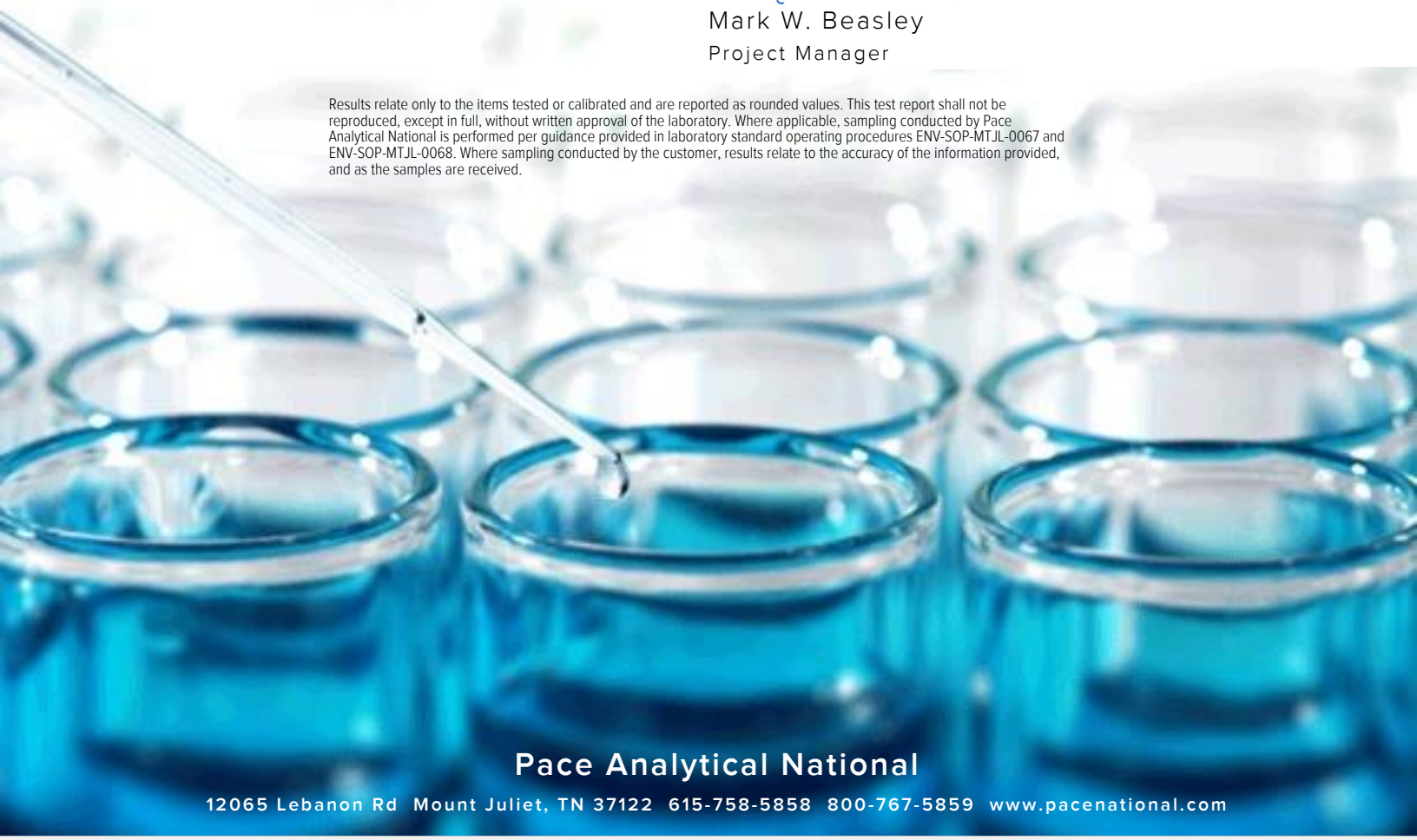
TEKLAB, Inc.

Sample Delivery Group:	L1466006
Samples Received:	02/28/2022
Project Number:	22020736
Description:	

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

Entire Report Reviewed By:

Mark W. Beasley
Project Manager



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

TABLE OF CONTENTS

22020736-001A L1466006-01 Non-Potable Water

Collected by	Collected date/time	Received date/time
	02/22/22 11:40	02/28/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG1825982	1	03/03/22 15:07	03/08/22 12:10	JMR	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG1828445	1	03/08/22 13:00	03/09/22 12:32	RGT	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG1828445	1	03/08/22 13:00	03/09/22 12:32	RGT	Mt. Juliet, TN

22020736-002A L1466006-02 Non-Potable Water

Collected by	Collected date/time	Received date/time
	02/22/22 10:51	02/28/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG1825982	1	03/03/22 15:07	03/08/22 12:10	JMR	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG1828445	1	03/08/22 13:00	03/09/22 12:32	RGT	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG1828445	1	03/08/22 13:00	03/09/22 12:32	RGT	Mt. Juliet, TN

22020736-003A L1466006-03 Non-Potable Water

Collected by	Collected date/time	Received date/time
	02/22/22 12:54	02/28/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG1825982	1	03/03/22 15:07	03/08/22 12:10	JMR	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG1828445	1	03/08/22 13:00	03/09/22 12:32	RGT	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG1828445	1	03/08/22 13:00	03/09/22 12:32	RGT	Mt. Juliet, TN

22020736-004A L1466006-04 Non-Potable Water

Collected by	Collected date/time	Received date/time
	02/22/22 13:30	02/28/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG1825982	1	03/03/22 15:07	03/08/22 12:10	JMR	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG1828445	1	03/08/22 13:00	03/09/22 12:32	RGT	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG1828445	1	03/08/22 13:00	03/09/22 12:32	RGT	Mt. Juliet, TN

22020736-005A L1466006-05 Non-Potable Water

Collected by	Collected date/time	Received date/time
	02/22/22 13:56	02/28/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG1825982	1	03/03/22 15:07	03/08/22 12:10	JMR	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG1828445	1	03/08/22 13:00	03/09/22 12:32	RGT	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG1828445	1	03/08/22 13:00	03/09/22 12:32	RGT	Mt. Juliet, TN

22020736-006A L1466006-06 Non-Potable Water

Collected by	Collected date/time	Received date/time
	02/23/22 12:46	02/28/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG1825982	1	03/03/22 15:07	03/08/22 12:10	JMR	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG1828445	1	03/08/22 13:00	03/09/22 12:32	RGT	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG1828445	1	03/08/22 13:00	03/09/22 12:32	RGT	Mt. Juliet, TN

22020736-007A L1466006-07 Non-Potable Water

Collected by	Collected date/time	Received date/time
	02/23/22 11:57	02/28/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG1825982	1	03/03/22 15:07	03/08/22 12:10	JMR	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG1828445	1	03/08/22 13:00	03/09/22 12:32	RGT	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG1828445	1	03/08/22 13:00	03/09/22 12:32	RGT	Mt. Juliet, TN

22020736-008A L1466006-08 Non-Potable Water

Collected by	Collected date/time	Received date/time
	02/23/22 10:50	02/28/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG1825982	1	03/03/22 15:07	03/08/22 12:10	JMR	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG1828445	1	03/08/22 13:00	03/09/22 12:32	RGT	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG1828445	1	03/08/22 13:00	03/09/22 12:32	RGT	Mt. Juliet, TN

22020736-009A L1466006-09 Non-Potable Water

Collected by	Collected date/time	Received date/time
	02/23/22 09:46	02/28/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG1825982	1	03/03/22 15:07	03/08/22 12:10	JMR	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG1828445	1	03/08/22 13:00	03/09/22 12:32	RGT	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG1828445	1	03/08/22 13:00	03/09/22 12:32	RGT	Mt. Juliet, TN

22020736-010A L1466006-10 Non-Potable Water

Collected by	Collected date/time	Received date/time
	02/23/22 10:20	02/28/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG1825982	1	03/03/22 15:07	03/08/22 12:10	JMR	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG1828445	1	03/08/22 13:00	03/09/22 12:32	RGT	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG1828445	1	03/08/22 13:00	03/09/22 12:32	RGT	Mt. Juliet, TN

22020736-011A L1466006-11 Non-Potable Water

Collected by	Collected date/time	Received date/time
	02/22/22 12:11	02/28/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG1825982	1	03/03/22 15:07	03/08/22 12:10	JMR	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG1828445	1	03/08/22 13:00	03/09/22 12:32	RGT	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG1828445	1	03/08/22 13:00	03/09/22 12:32	RGT	Mt. Juliet, TN

22020736-012A L1466006-12 Non-Potable Water

Collected by	Collected date/time	Received date/time
	02/23/22 14:01	02/28/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG1825982	1	03/03/22 15:07	03/08/22 12:10	JMR	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG1828445	1	03/08/22 13:00	03/09/22 12:32	RGT	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG1828445	1	03/08/22 13:00	03/09/22 12:32	RGT	Mt. Juliet, TN

22020736-013A L1466006-13 Non-Potable Water

Collected by | Collected date/time 02/23/22 09:16 | Received date/time 02/28/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG1825982	1	03/03/22 15:07	03/08/22 12:10	JMR	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG1828445	1	03/08/22 13:00	03/09/22 12:32	RGT	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG1828445	1	03/08/22 13:00	03/09/22 12:32	RGT	Mt. Juliet, TN

22020736-014A L1466006-14 Non-Potable Water

Collected by | Collected date/time 02/22/22 16:00 | Received date/time 02/28/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG1825982	1	03/03/22 15:07	03/08/22 16:15	JMR	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG1828445	1	03/08/22 13:00	03/09/22 12:32	RGT	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG1828445	1	03/08/22 13:00	03/09/22 12:32	RGT	Mt. Juliet, TN

22020736-015A L1466006-15 Non-Potable Water

Collected by | Collected date/time 02/22/22 15:26 | Received date/time 02/28/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG1825982	1	03/03/22 15:07	03/08/22 16:15	JMR	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG1828445	1	03/08/22 13:00	03/09/22 12:32	RGT	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG1828445	1	03/08/22 13:00	03/09/22 12:32	RGT	Mt. Juliet, TN

22020736-016A L1466006-16 Non-Potable Water

Collected by | Collected date/time 02/22/22 14:38 | Received date/time 02/28/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG1825982	1	03/03/22 15:07	03/08/22 16:15	JMR	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG1828445	1	03/08/22 13:00	03/09/22 12:32	RGT	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG1828445	1	03/08/22 13:00	03/09/22 12:32	RGT	Mt. Juliet, TN

22020736-017A L1466006-17 Non-Potable Water

Collected by | Collected date/time 02/23/22 12:03 | Received date/time 02/28/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG1825982	1	03/03/22 15:07	03/08/22 16:15	JMR	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG1828445	1	03/08/22 13:00	03/09/22 12:32	RGT	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG1828445	1	03/08/22 13:00	03/09/22 12:32	RGT	Mt. Juliet, TN

22020736-018A L1466006-18 Non-Potable Water

Collected by | Collected date/time 02/23/22 14:32 | Received date/time 02/28/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG1825982	1	03/03/22 15:07	03/08/22 16:15	JMR	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG1828445	1	03/08/22 13:00	03/09/22 12:32	RGT	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG1828445	1	03/08/22 13:00	03/09/22 12:32	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

Report Revision History

Level II Report - Version 1: 03/10/22 15:49

Project Narrative

Corrected sample dates

Radiochemistry by Method 904/9320

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
RADIUM-228	0.215	U	0.309	0.569	03/08/2022 12:10	WG1825982
(T) Barium	*89.5*			*62.0-143*	*03/08/2022 12:10*	WG1825982
(T) Yttrium	*99.6*			*79.0-136*	*03/08/2022 12:10*	WG1825982

Radiochemistry by Method Calculation

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
Combined Radium	0.264	U	0.356	0.663	03/09/2022 12:32	WG1828445

Radiochemistry by Method SM7500Ra B M

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
RADIUM-226	0.0490	U	0.177	0.341	03/09/2022 12:32	WG1828445
(T) Barium-133	*94.5*			*30.0-143*	*03/09/2022 12:32*	WG1828445

Radiochemistry by Method 904/9320

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
RADIUM-228	-0.462	U	0.293	0.563	03/08/2022 12:10	WG1825982
(T) Barium	*91.4*			*62.0-143*	*03/08/2022 12:10*	WG1825982
(T) Yttrium	*110*			*79.0-136*	*03/08/2022 12:10*	WG1825982

Radiochemistry by Method Calculation

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
Combined Radium	0.176	U	0.370	0.647	03/09/2022 12:32	WG1828445

Radiochemistry by Method SM7500Ra B M

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
RADIUM-226	0.176	J	0.226	0.318	03/09/2022 12:32	WG1828445
(T) Barium-133	*92.0*			*30.0-143*	*03/09/2022 12:32*	WG1828445

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-228	0.595		0.307	0.551	03/08/2022 12:10	WG1825982
(T) Barium	*94.8*			*62.0-143*	*03/08/2022 12:10*	WG1825982
(T) Yttrium	*99.6*			*79.0-136*	*03/08/2022 12:10*	WG1825982

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	0.741		0.369	0.626	03/09/2022 12:32	WG1828445

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-226	0.145	J	0.204	0.298	03/09/2022 12:32	WG1828445
(T) Barium-133	*95.1*			*30.0-143*	*03/09/2022 12:32*	WG1828445

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-228	-0.325	U	0.293	0.556	03/08/2022 12:10	WG1825982
(T) Barium	*97.6*			*62.0-143*	*03/08/2022 12:10*	WG1825982
(T) Yttrium	*102*			*79.0-136*	*03/08/2022 12:10*	WG1825982

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	0.258	J	0.365	0.602	03/09/2022 12:32	WG1828445

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-226	0.258		0.218	0.231	03/09/2022 12:32	WG1828445
(T) Barium-133	*101*			*30.0-143*	*03/09/2022 12:32*	WG1828445

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-228	0.968		0.365	0.645	03/08/2022 12:10	WG1825982
(T) Barium	*96.0*			*62.0-143*	*03/08/2022 12:10*	WG1825982
(T) Yttrium	*98.7*			*79.0-136*	*03/08/2022 12:10*	WG1825982

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	0.968		0.370	0.690	03/09/2022 12:32	WG1828445

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-226	-0.0205	U	0.0599	0.245	03/09/2022 12:32	WG1828445
(T) Barium-133	*97.9*			*30.0-143*	*03/09/2022 12:32*	WG1828445

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-228	1.85		0.370	0.617	03/08/2022 12:10	WG1825982
(T) Barium	*87.7*			*62.0-143*	*03/08/2022 12:10*	WG1825982
(T) Yttrium	*102*			*79.0-136*	*03/08/2022 12:10*	WG1825982

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	1.89		0.392	0.663	03/09/2022 12:32	WG1828445

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-226	0.0422	U	0.128	0.243	03/09/2022 12:32	WG1828445
(T) Barium-133	*95.2*			*30.0-143*	*03/09/2022 12:32*	WG1828445

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-228	1.48		0.317	0.537	03/08/2022 12:10	WG1825982
(T) Barium	*92.8*			*62.0-143*	*03/08/2022 12:10*	WG1825982
(T) Yttrium	*103*			*79.0-136*	*03/08/2022 12:10*	WG1825982

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	2.13		0.450	0.571	03/09/2022 12:32	WG1828445

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-226	0.654		0.319	0.193	03/09/2022 12:32	WG1828445
(T) Barium-133	*102*			*30.0-143*	*03/09/2022 12:32*	WG1828445

Radiochemistry by Method 904/9320

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
RADIUM-228	0.201	U	0.309	0.570	03/08/2022 12:10	WG1825982
(T) Barium	*85.5*			*62.0-143*	*03/08/2022 12:10*	WG1825982
(T) Yttrium	*98.3*			*79.0-136*	*03/08/2022 12:10*	WG1825982

Radiochemistry by Method Calculation

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
Combined Radium	0.308	J	0.350	0.624	03/09/2022 12:32	WG1828445

Radiochemistry by Method SM7500Ra B M

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
RADIUM-226	0.106	J	0.165	0.254	03/09/2022 12:32	WG1828445
(T) Barium-133	*108*			*30.0-143*	*03/09/2022 12:32*	WG1828445

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-228	0.539	J	0.334	0.605	03/08/2022 12:10	WG1825982
(T) Barium	*92.4*			*62.0-143*	*03/08/2022 12:10*	WG1825982
(T) Yttrium	*92.7*			*79.0-136*	*03/08/2022 12:10*	WG1825982

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	0.622	J	0.363	0.645	03/09/2022 12:32	WG1828445

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-226	0.0835	U	0.141	0.225	03/09/2022 12:32	WG1828445
(T) Barium-133	*98.5*			*30.0-143*	*03/09/2022 12:32*	WG1828445

Radiochemistry by Method 904/9320

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
RADIUM-228	-0.0861	U	0.325	0.610	03/08/2022 12:10	WG1825982
(T) Barium	*89.4*			*62.0-143*	*03/08/2022 12:10*	WG1825982
(T) Yttrium	*96.4*			*79.0-136*	*03/08/2022 12:10*	WG1825982

Radiochemistry by Method Calculation

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
Combined Radium	0.0332	U	0.335	0.634	03/09/2022 12:32	WG1828445

Radiochemistry by Method SM7500Ra B M

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
RADIUM-226	0.0332	U	0.0822	0.171	03/09/2022 12:32	WG1828445
(T) Barium-133	*97.6*			*30.0-143*	*03/09/2022 12:32*	WG1828445

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-228	0.656		0.317	0.568	03/08/2022 12:10	WG1825982
(T) Barium	*91.7*			*62.0-143*	*03/08/2022 12:10*	WG1825982
(T) Yttrium	*99.7*			*79.0-136*	*03/08/2022 12:10*	WG1825982

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	0.795		0.361	0.615	03/09/2022 12:32	WG1828445

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-226	0.140	J	0.173	0.236	03/09/2022 12:32	WG1828445
(T) Barium-133	*101*			*30.0-143*	*03/09/2022 12:32*	WG1828445

Radiochemistry by Method 904/9320

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
RADIUM-228	0.336	J	0.329	0.605	03/08/2022 12:10	WG1825982
(T) Barium	*95.3*			*62.0-143*	*03/08/2022 12:10*	WG1825982
(T) Yttrium	*102*			*79.0-136*	*03/08/2022 12:10*	WG1825982

Radiochemistry by Method Calculation

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
Combined Radium	0.480	J	0.374	0.652	03/09/2022 12:32	WG1828445

Radiochemistry by Method SM7500Ra B M

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
RADIUM-226	0.144	J	0.178	0.243	03/09/2022 12:32	WG1828445
(T) Barium-133	*102*			*30.0-143*	*03/09/2022 12:32*	WG1828445

Radiochemistry by Method 904/9320

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
RADIUM-228	0.391	J	0.334	0.608	03/08/2022 12:10	WG1825982
(T) Barium	*87.8*			*62.0-143*	*03/08/2022 12:10*	WG1825982
(T) Yttrium	*103*			*79.0-136*	*03/08/2022 12:10*	WG1825982

Radiochemistry by Method Calculation

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
Combined Radium	0.436	J	0.373	0.687	03/09/2022 12:32	WG1828445

Radiochemistry by Method SM7500Ra B M

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
RADIUM-226	0.0459	U	0.166	0.320	03/09/2022 12:32	WG1828445
(T) Barium-133	*99.0*			*30.0-143*	*03/09/2022 12:32*	WG1828445

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-228	0.777		0.304	0.578	03/08/2022 16:15	WG1825982
(T) Barium	*91.6*			*62.0-143*	*03/08/2022 16:15*	WG1825982
(T) Yttrium	*98.3*			*79.0-136*	*03/08/2022 16:15*	WG1825982

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	0.979		0.377	0.646	03/09/2022 12:32	WG1828445

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-226	0.202	J	0.223	0.288	03/09/2022 12:32	WG1828445
(T) Barium-133	*102*			*30.0-143*	*03/09/2022 12:32*	WG1828445

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-228	0.462	J	0.311	0.606	03/08/2022 16:15	WG1825982
(T) Barium	*97.7*			*62.0-143*	*03/08/2022 16:15*	WG1825982
(T) Yttrium	*97.4*			*79.0-136*	*03/08/2022 16:15*	WG1825982

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	0.575	J	0.351	0.651	03/09/2022 12:32	WG1828445

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-226	0.113	J	0.162	0.239	03/09/2022 12:32	WG1828445
(T) Barium-133	*97.4*			*30.0-143*	*03/09/2022 12:32*	WG1828445

Radiochemistry by Method 904/9320

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
RADIUM-228	0.361	J	0.309	0.603	03/08/2022 16:15	WG1825982
(T) Barium	*92.3*			*62.0-143*	*03/08/2022 16:15*	WG1825982
(T) Yttrium	*95.9*			*79.0-136*	*03/08/2022 16:15*	WG1825982

Radiochemistry by Method Calculation

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
Combined Radium	0.667		0.398	0.662	03/09/2022 12:32	WG1828445

Radiochemistry by Method SM7500Ra B M

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
RADIUM-226	0.305		0.251	0.273	03/09/2022 12:32	WG1828445
(T) Barium-133	*93.2*			*30.0-143*	*03/09/2022 12:32*	WG1828445

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-228	0.933		0.283	0.530	03/08/2022 16:15	WG1825982
(T) Barium	*92.4*			*62.0-143*	*03/08/2022 16:15*	WG1825982
(T) Yttrium	*101*			*79.0-136*	*03/08/2022 16:15*	WG1825982

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	0.965		0.294	0.555	03/09/2022 12:32	WG1828445

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-226	0.0321	U	0.0792	0.165	03/09/2022 12:32	WG1828445
(T) Barium-133	*97.6*			*30.0-143*	*03/09/2022 12:32*	WG1828445

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-228	0.717		0.287	0.546	03/08/2022 16:15	WG1825982
(T) Barium	*89.8*			*62.0-143*	*03/08/2022 16:15*	WG1825982
(T) Yttrium	*111*			*79.0-136*	*03/08/2022 16:15*	WG1825982

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	0.884		0.340	0.590	03/09/2022 12:32	WG1828445

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-226	0.167	J	0.183	0.223	03/09/2022 12:32	WG1828445
(T) Barium-133	*90.0*			*30.0-143*	*03/09/2022 12:32*	WG1828445

QUALITY CONTROL SUMMARY

L1466006-01,02,03,04,05,06,07,08,09,10,11,12,13,14,15,16,17,18

Method Blank (MB)

(MB) R3768348-1 03/08/22 12:10

Analyte	MB Result pCi/l	MB Qualifier	MB Uncertainty + / - pCi/l	MB MDA pCi/l
Radium-228	0.227	J	0.210	0.385
(T) Barium	*104*		*104*	
(T) Yttrium	*106*		*106*	

L1466006-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1466006-01 03/08/22 12:10 • (DUP) R3768348-5 03/08/22 12:10

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	0.215	0.309	0.569	0.556	0.629	0.569	1	88.3	0.486	J	20	3
(T) Barium	*89.5*			*86.0*	*86.0*							
(T) Yttrium	*99.6*			*99.7*	*99.7*							

Laboratory Control Sample (LCS)

(LCS) R3768348-2 03/08/22 12:10

Analyte	Spike Amount pCi/l	LCS Result pCi/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Radium-228	5.00	4.99	99.8	80.0-120	
(T) Barium			*105*		
(T) Yttrium			*97.2*		

L1463967-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1463967-10 03/08/22 12:10 • (MS) R3768348-3 03/08/22 12:10 • (MSD) R3768348-4 03/08/22 12:10

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	-0.511	12.1	11.6	121	116	1	70.0-130			3.88		20
(T) Barium		*100*			*96.2*	*90.6*							
(T) Yttrium		*105*			*105*	*98.0*							

Method Blank (MB)

(MB) R3768468-1 03/09/22 12:32

Analyte	MB Result pCi/l	MB Qualifier	MB Uncertainty + / -	MB MDA pCi/l
Radium-226	0.00847	U	0.0209	0.0435
(T) Barium-133	*101*		*101*	

L1466006-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1466006-01 03/09/22 12:32 • (DUP) R3768468-5 03/09/22 12:32

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	0.0490	0.177	0.341	0.0459	0.165	0.341	1	6.55	0.0129	U	20	3
(T) Barium-133	*94.5*			*89.0*	*89.0*							

Laboratory Control Sample (LCS)

(LCS) R3768468-2 03/09/22 12:32

Analyte	Spike Amount pCi/l	LCS Result pCi/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Radium-226	5.02	5.30	106	80.0-120	
(T) Barium-133			*89.4*		

L1466006-17 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1466006-17 03/09/22 12:32 • (MS) R3768468-3 03/09/22 12:32 • (MSD) R3768468-4 03/09/22 12:32

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	20.1	0.0321	20.9	19.5	104	96.9	1	75.0-125			6.64		20
(T) Barium-133		*97.6*			*94.4*	*100*							

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.
U	Below Detectable Limits: Indicates that the analyte was not detected.

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 [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	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 [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	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 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] 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.

A062

Pg ___ of ___

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: Joseph Riley/Adam Bridges | QC Level: 3

Comments: **Please Issue reports and invoices via email only**
Please analyze for Radium 226/228 per methods specified for Vistra/Ramboll projects.
Samples collected from an IL site.
Batch QC is required for all analyses requested. EDD requested..

Project# 22020736

Contact: Elizabeth Hurley | Email: ehurley@TekLabInc.com
Requested Due Date: Standard TAT | Billing/PO: 32497 | Phone: (618) 344-1004 ext 33

L1462006

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												
-01	22020736-001A	2/22/22 1140	HNO3	Groundwater	☑												
-02	22020736-002A	2/22/22 1051	HNO3	Groundwater	☑												
-03	22020736-003A	2/22/22 1254	HNO3	Groundwater	☑												
-04	22020736-004A	2/22/22 1330	HNO3	Groundwater	☑												
-05	22020736-005A	2/22/22 1356	HNO3	Groundwater	☑												
-06	22020736-006A	2/23/22 1246	HNO3	Groundwater	☑												
-07	22020736-007A	2/23/22 1157	HNO3	Groundwater	☑												
-08	22020736-008A	2/23/22 1050	HNO3	Groundwater	☑												
-09	22020736-009A	2/23/22 0946	HNO3	Groundwater	☑												
-10	22020736-010A	2/23/22 1020	HNO3	Groundwater	☑												
-11	22020736-011A	2/22/22 1211	HNO3	Groundwater	☑												

*Relinquished By	Date/Time	Received By	Date/Time
Mary Kemp	2/24/22 1600	M. Simmons	2/28/22 0930

AMB

Pg ___ of ___

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: Joseph Riley/Adam Bridges
QC Level: 3

Comments: **Please Issue reports and invoices via email only**
Please analyze for Radium 226/228 per methods specified for Vistra/Ramboll projects.
Samples collected from an IL site.
Batch QC is required for all analyses requested. EDD requested..

Project# 22020736

Contact: Elizabeth Hurley
Requested Due Date: Standard TAT
Email: ehurley@TekLabInc.com
Billing/PO: 32497
Phone: (618) 344-1004 ext 33

L1416006

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											
-12	22020736-012A	2/23/22 1401	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
-13	22020736-013A	2/23/22 0916	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
-14	22020736-014A	2/22/22 1600	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
-15	22020736-015A	2/22/22 1526	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
-16	22020736-016A	2/22/22 1438	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
-17	22020736-017A	2/23/22 1203	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
-18	22020736-018A	2/23/22 ~~1431~~ 1432	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
			HNO3	Groundwater	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
			HNO3	Groundwater	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
			HNO3	Groundwater	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
			HNO3	Groundwater	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

Sample Receipt Checklist

COC Seal Present/Intact: __Y__N
COC Signed/Accurate: __Y__N
Bottles arrive intact: __Y__N
Correct bottles used: __Y__N
Sufficient volume sent: __Y__N
RAD Screen <0.5 mR/hr: __Y__N

If Applicable
VOA Zero Headspace: __Y__N
Pres.Correct/Check: __Y__N

*Relinquished By	Date/Time	Received By	Date/Time
Mary Kuyo	2/24/22 1600	M. Sat	2/28/22 0930

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

SubCocRevA
3/2/2016

L1466006

Tracking Numbers	Temperature
5300 5202 1333	Amb
5300 5202 1322	Amb

October 17, 2022

Eric Bauer
Ramboll
234 W. Florida St.
5th Floor
Milwaukee, WI 53204
TEL: (414) 837-3614
FAX:

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

RE: Kincaid Q3 2022 **WorkOrder:** 22080111

Dear Eric Bauer:

TEKLAB, INC received 16 samples on 9/2/2022 9:00:00 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

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

Report Contents

Client: Ramboll
Work Order: 22080111
Client Project: Kincaid Q3 2022
Report Date: 17-Oct-22

This reporting package includes the following:

Client: Ramboll **Work Order:** 22080111

Client Project: Kincaid Q3 2022 **Report Date:** 17-Oct-22

Abbr Definition

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

Client: Ramboll **Work Order:** 22080111

Client Project: Kincaid Q3 2022 **Report Date:** 17-Oct-22

Qualifiers

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

Client: Ramboll
Work Order: 22080111
Client Project: Kincaid Q3 2022
Report Date: 17-Oct-22

Cooler Receipt Temp: 4.4 °C

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

This report was revised on October 13, 2022 per Eeric Bauer's request. The reason for the revision is to correct the collection time for MW-3. Please replace report dated September 22, 2022 with this report. EAH 10/13/22

KIN_257_141 is included in this program-specific report. EAH 10/17/22

Locations

Collinsville

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

Springfield

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

Kansas City

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

Collinsville Air

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

Chicago

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

Client: Ramboll **Work Order:** 22080111

Client Project: Kincaid Q3 2022 **Report Date:** 17-Oct-22

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

Client: Ramboll **Work Order:** 22080111

Client Project: Kincaid Q3 2022 **Report Date:** 17-Oct-22

Lab ID: 22080111-001 **Client Sample ID:** MW-1

Matrix: GROUNDWATER **Collection Date:** 09/01/2022 10:54

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Depth to water from measuring point	*	0		**15.62**	ft	1	09/01/2022 10:54	R317971
STANDARD METHOD 4500-H B 2001 FIELD								
pH	*	1.00		**6.31**		1	09/01/2022 10:54	R317971
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**< 1.0**	NTU	1	09/01/2022 10:54	R317971
STANDARD METHODS 18TH ED. 2580 B FIELD								
Oxidation-Reduction Potential	*	-300		**182**	mV	1	09/01/2022 10:54	R317971
STANDARD METHODS 2510 B FIELD								
Spec. Conductance, Field	*	0		**686**	µS/cm	1	09/01/2022 10:54	R317971
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**16.4**	°C	1	09/01/2022 10:54	R317971
STANDARD METHODS 4500-O G FIELD								
Oxygen, Dissolved	*	0		**0.35**	mg/L	1	09/01/2022 10:54	R317971
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	20		**328**	mg/L	1	09/07/2022 13:48	R316784
SW-846 9036 (TOTAL)								
Sulfate	NELAP	50		**91**	mg/L	5	09/08/2022 10:18	R316793
SW-846 9214 (TOTAL)								
Fluoride	NELAP	0.10		**0.20**	mg/L	1	09/12/2022 14:15	R317927
SW-846 9251 (TOTAL)								
Chloride	NELAP	4		**12**	mg/L	1	09/08/2022 10:13	R316797
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Calcium	NELAP	0.100		**56.3**	mg/L	1	09/06/2022 17:47	196278
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	1.0		**< 1.0**	µg/L	5	09/07/2022 21:43	196278
Arsenic	NELAP	1.0		**< 1.0**	µg/L	5	09/08/2022 9:33	196278
Barium	NELAP	1.0		**51.7**	µg/L	5	09/07/2022 21:43	196278
Beryllium	NELAP	1.0		**< 1.0**	µg/L	5	09/07/2022 21:43	196278
Boron	NELAP	25.0		**295**	µg/L	5	09/13/2022 13:55	196278
Chromium	NELAP	1.5		**< 1.5**	µg/L	5	09/07/2022 21:43	196278
Cobalt	NELAP	1.0		**< 1.0**	µg/L	5	09/08/2022 9:33	196278
Lead	NELAP	1.0		**< 1.0**	µg/L	5	09/08/2022 9:33	196278
Lithium	*	3.0	J	**2.2**	µg/L	5	09/07/2022 21:43	196278
Molybdenum	NELAP	1.5		**< 1.5**	µg/L	5	09/07/2022 21:43	196278
Selenium	NELAP	1.0		**< 1.0**	µg/L	5	09/07/2022 21:43	196278
Thallium	NELAP	2.0		**< 2.0**	µg/L	5	09/07/2022 21:43	196278

Client: Ramboll **Work Order:** 22080111

Client Project: Kincaid Q3 2022 **Report Date:** 17-Oct-22

Lab ID: 22080111-002 **Client Sample ID:** MW-2

Matrix: GROUNDWATER **Collection Date:** 09/01/2022 10:18

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Depth to water from measuring point	*	0		**7.63**	ft	1	09/01/2022 10:18	R317971
STANDARD METHOD 4500-H B 2001 FIELD								
pH	*	1.00		**6.97**		1	09/01/2022 10:18	R317971
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**35**	NTU	1	09/01/2022 10:18	R317971
STANDARD METHODS 18TH ED. 2580 B FIELD								
Oxidation-Reduction Potential	*	-300		**169**	mV	1	09/01/2022 10:18	R317971
STANDARD METHODS 2510 B FIELD								
Spec. Conductance, Field	*	0		**1020**	µS/cm	1	09/01/2022 10:18	R317971
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**16.3**	°C	1	09/01/2022 10:18	R317971
STANDARD METHODS 4500-O G FIELD								
Oxygen, Dissolved	*	0		**1.26**	mg/L	1	09/01/2022 10:18	R317971
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	20		**496**	mg/L	1	09/07/2022 13:48	R316784
SW-846 9036 (TOTAL)								
Sulfate	NELAP	50		**161**	mg/L	5	09/08/2022 10:42	R316793
SW-846 9214 (TOTAL)								
Fluoride	NELAP	0.10		**0.49**	mg/L	1	09/12/2022 14:17	R317927
SW-846 9251 (TOTAL)								
Chloride	NELAP	4		**19**	mg/L	1	09/08/2022 10:37	R316797
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Calcium	NELAP	0.100		**97.7**	mg/L	1	09/06/2022 17:51	196278
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	1.0		**< 1.0**	µg/L	5	09/07/2022 21:49	196278
Arsenic	NELAP	1.0		**1.8**	µg/L	5	09/07/2022 21:49	196278
Barium	NELAP	1.0		**141**	µg/L	5	09/07/2022 21:49	196278
Beryllium	NELAP	1.0		**< 1.0**	µg/L	5	09/07/2022 21:49	196278
Boron	NELAP	25.0		**73.5**	µg/L	5	09/13/2022 14:00	196278
Chromium	NELAP	1.5		**2.1**	µg/L	5	09/07/2022 21:49	196278
Cobalt	NELAP	1.0	J	**0.3**	µg/L	5	09/08/2022 9:39	196278
Lead	NELAP	1.0		**1.0**	µg/L	5	09/07/2022 21:49	196278
Lithium	*	3.0		**6.7**	µg/L	5	09/07/2022 21:49	196278
Molybdenum	NELAP	1.5		**5.6**	µg/L	5	09/07/2022 21:49	196278
Selenium	NELAP	1.0		**< 1.0**	µg/L	5	09/07/2022 21:49	196278
Thallium	NELAP	2.0		**< 2.0**	µg/L	5	09/07/2022 21:49	196278

Client: Ramboll **Work Order:** 22080111

Client Project: Kincaid Q3 2022 **Report Date:** 17-Oct-22

Lab ID: 22080111-005 **Client Sample ID:** MW-5

Matrix: GROUNDWATER **Collection Date:** 09/01/2022 12:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Depth to water from measuring point	*	0		**27.24**	ft	1	09/01/2022 12:40	R317971
STANDARD METHOD 4500-H B 2001 FIELD								
pH	*	1.00		**6.54**		1	09/01/2022 12:40	R317971
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**< 1.0**	NTU	1	09/01/2022 12:40	R317971
STANDARD METHODS 18TH ED. 2580 B FIELD								
Oxidation-Reduction Potential	*	-300		**94**	mV	1	09/01/2022 12:40	R317971
STANDARD METHODS 2510 B FIELD								
Spec. Conductance, Field	*	0		**1620**	µS/cm	1	09/01/2022 12:40	R317971
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**16.9**	°C	1	09/01/2022 12:40	R317971
STANDARD METHODS 4500-O G FIELD								
Oxygen, Dissolved	*	0		**1.15**	mg/L	1	09/01/2022 12:40	R317971
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	20		**742**	mg/L	1	09/07/2022 13:49	R316784
SW-846 9036 (TOTAL)								
Sulfate	NELAP	10		**13**	mg/L	1	09/08/2022 11:29	R316793
SW-846 9214 (TOTAL)								
Fluoride	NELAP	0.10		**0.19**	mg/L	1	09/12/2022 14:22	R317927
SW-846 9251 (TOTAL)								
Chloride	NELAP	4		**45**	mg/L	1	09/08/2022 11:30	R316797
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Calcium	NELAP	0.100	S	**147**	mg/L	1	09/06/2022 18:10	196278
Matrix spike control limits for Ca are not applicable due to high sample/spike ratio.								
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	1.0		**< 1.0**	µg/L	5	09/08/2022 10:17	196278
Arsenic	NELAP	1.0	J	**0.9**	µg/L	5	09/08/2022 10:17	196278
Barium	NELAP	1.0		**137**	µg/L	5	09/08/2022 10:17	196278
Beryllium	NELAP	1.0		**< 1.0**	µg/L	5	09/08/2022 10:17	196278
Boron	NELAP	25.0		**601**	µg/L	5	09/14/2022 20:50	196278
Chromium	NELAP	1.5		**< 1.5**	µg/L	5	09/08/2022 10:17	196278
Cobalt	NELAP	1.0	J	**0.6**	µg/L	5	09/08/2022 10:17	196278
Lead	NELAP	1.0		**< 1.0**	µg/L	5	09/08/2022 10:17	196278
Lithium	*	3.0	J	**2.5**	µg/L	5	09/08/2022 10:17	196278
Molybdenum	NELAP	1.5	J	**0.9**	µg/L	5	09/09/2022 23:02	196278
Selenium	NELAP	1.0		**< 1.0**	µg/L	5	09/08/2022 10:17	196278
Thallium	NELAP	2.0		**< 2.0**	µg/L	5	09/08/2022 10:17	196278

Client: Ramboll **Work Order:** 22080111

Client Project: Kincaid Q3 2022 **Report Date:** 17-Oct-22

Lab ID: 22080111-006 **Client Sample ID:** MW-6

Matrix: GROUNDWATER **Collection Date:** 09/01/2022 13:03

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Depth to water from measuring point	*	0		**10.49**	ft	1	09/01/2022 13:03	R317971
STANDARD METHOD 4500-H B 2001 FIELD								
pH	*	1.00		**6.36**		1	09/01/2022 13:03	R317971
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**< 1.0**	NTU	1	09/01/2022 13:03	R317971
STANDARD METHODS 18TH ED. 2580 B FIELD								
Oxidation-Reduction Potential	*	-300		**128**	mV	1	09/01/2022 13:03	R317971
STANDARD METHODS 2510 B FIELD								
Spec. Conductance, Field	*	0		**1070**	µS/cm	1	09/01/2022 13:03	R317971
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**15.9**	°C	1	09/01/2022 13:03	R317971
STANDARD METHODS 4500-O G FIELD								
Oxygen, Dissolved	*	0		**2.09**	mg/L	1	09/01/2022 13:03	R317971
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	20		**542**	mg/L	1	09/07/2022 14:02	R316784
SW-846 9036 (TOTAL)								
Sulfate	NELAP	50		**144**	mg/L	5	09/08/2022 11:43	R316793
SW-846 9214 (TOTAL)								
Fluoride	NELAP	0.10		**0.21**	mg/L	1	09/12/2022 14:25	R317927
SW-846 9251 (TOTAL)								
Chloride	NELAP	4	J	**3**	mg/L	1	09/08/2022 11:38	R316797
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Calcium	NELAP	0.100		**111**	mg/L	1	09/06/2022 18:21	196278
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	1.0		**< 1.0**	µg/L	5	09/08/2022 9:52	196278
Arsenic	NELAP	1.0		**< 1.0**	µg/L	5	09/08/2022 9:52	196278
Barium	NELAP	1.0		**45.3**	µg/L	5	09/08/2022 9:52	196278
Beryllium	NELAP	1.0		**< 1.0**	µg/L	5	09/08/2022 9:52	196278
Boron	NELAP	25.0		**1620**	µg/L	5	09/13/2022 14:14	196278
Chromium	NELAP	1.5	J	**1.3**	µg/L	5	09/08/2022 9:52	196278
Cobalt	NELAP	1.0	J	**0.1**	µg/L	5	09/08/2022 9:52	196278
Lead	NELAP	1.0		**< 1.0**	µg/L	5	09/08/2022 9:52	196278
Lithium	*	3.0		**< 3.0**	µg/L	5	09/08/2022 9:52	196278
Molybdenum	NELAP	1.5		**< 1.5**	µg/L	5	09/09/2022 22:24	196278
Selenium	NELAP	1.0		**< 1.0**	µg/L	5	09/08/2022 9:52	196278
Thallium	NELAP	2.0		**< 2.0**	µg/L	5	09/08/2022 9:52	196278

Client: Ramboll **Work Order:** 22080111

Client Project: Kincaid Q3 2022 **Report Date:** 17-Oct-22

Lab ID: 22080111-007 **Client Sample ID:** MW-7

Matrix: GROUNDWATER **Collection Date:** 09/01/2022 14:04

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Depth to water from measuring point	*	0		**10.37**	ft	1	09/01/2022 14:04	R317971
STANDARD METHOD 4500-H B 2001 FIELD								
pH	*	1.00		**6.80**		1	09/01/2022 14:04	R317971
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**< 1.0**	NTU	1	09/01/2022 14:04	R317971
STANDARD METHODS 18TH ED. 2580 B FIELD								
Oxidation-Reduction Potential	*	-300		**69**	mV	1	09/01/2022 14:04	R317971
STANDARD METHODS 2510 B FIELD								
Spec. Conductance, Field	*	0		**1150**	µS/cm	1	09/01/2022 14:04	R317971
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**17.0**	°C	1	09/01/2022 14:04	R317971
STANDARD METHODS 4500-O G FIELD								
Oxygen, Dissolved	*	0		**0.39**	mg/L	1	09/01/2022 14:04	R317971
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	20		**564**	mg/L	1	09/07/2022 14:02	R316784
SW-846 9036 (TOTAL)								
Sulfate	NELAP	50		**147**	mg/L	5	09/08/2022 11:52	R316793
SW-846 9214 (TOTAL)								
Fluoride	NELAP	0.10		**0.30**	mg/L	1	09/12/2022 14:27	R317927
SW-846 9251 (TOTAL)								
Chloride	NELAP	4	J	**2**	mg/L	1	09/08/2022 11:46	R316797
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Calcium	NELAP	0.100		**120**	mg/L	1	09/06/2022 18:24	196278
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	1.0		**< 1.0**	µg/L	5	09/08/2022 9:58	196278
Arsenic	NELAP	1.0	J	**0.9**	µg/L	5	09/08/2022 9:58	196278
Barium	NELAP	1.0		**47.5**	µg/L	5	09/08/2022 9:58	196278
Beryllium	NELAP	1.0		**< 1.0**	µg/L	5	09/08/2022 9:58	196278
Boron	NELAP	25.0		**441**	µg/L	5	09/13/2022 14:18	196278
Chromium	NELAP	1.5		**< 1.5**	µg/L	5	09/08/2022 9:58	196278
Cobalt	NELAP	1.0	J	**0.8**	µg/L	5	09/08/2022 9:58	196278
Lead	NELAP	1.0		**< 1.0**	µg/L	5	09/08/2022 9:58	196278
Lithium	*	3.0		**3.5**	µg/L	5	09/08/2022 9:58	196278
Molybdenum	NELAP	1.5		**2.1**	µg/L	5	09/09/2022 22:30	196278
Selenium	NELAP	1.0		**< 1.0**	µg/L	5	09/08/2022 9:58	196278
Thallium	NELAP	2.0		**< 2.0**	µg/L	5	09/08/2022 9:58	196278

Client: Ramboll **Work Order:** 22080111

Client Project: Kincaid Q3 2022 **Report Date:** 17-Oct-22

Lab ID: 22080111-008 **Client Sample ID:** MW-8

Matrix: GROUNDWATER **Collection Date:** 09/01/2022 14:28

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Depth to water from measuring point	*	0		**9.69**	ft	1	09/01/2022 14:28	R317971
STANDARD METHOD 4500-H B 2001 FIELD								
pH	*	1.00		**6.49**		1	09/01/2022 14:28	R317971
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**< 1.0**	NTU	1	09/01/2022 14:28	R317971
STANDARD METHODS 18TH ED. 2580 B FIELD								
Oxidation-Reduction Potential	*	-300		**124**	mV	1	09/01/2022 14:28	R317971
STANDARD METHODS 2510 B FIELD								
Spec. Conductance, Field	*	0		**1620**	µS/cm	1	09/01/2022 14:28	R317971
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**15.8**	°C	1	09/01/2022 14:28	R317971
STANDARD METHODS 4500-O G FIELD								
Oxygen, Dissolved	*	0		**0.64**	mg/L	1	09/01/2022 14:28	R317971
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	20		**836**	mg/L	1	09/07/2022 14:03	R316784
SW-846 9036 (TOTAL)								
Sulfate	NELAP	100		**247**	mg/L	10	09/08/2022 11:58	R316793
SW-846 9214 (TOTAL)								
Fluoride	NELAP	0.10		**0.22**	mg/L	1	09/12/2022 14:29	R317927
SW-846 9251 (TOTAL)								
Chloride	NELAP	4		**21**	mg/L	1	09/08/2022 11:54	R316797
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Calcium	NELAP	0.100		**156**	mg/L	1	09/06/2022 18:28	196278
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	1.0		**< 1.0**	µg/L	5	09/08/2022 10:04	196278
Arsenic	NELAP	1.0		**< 1.0**	µg/L	5	09/08/2022 10:04	196278
Barium	NELAP	1.0		**28.3**	µg/L	5	09/08/2022 10:04	196278
Beryllium	NELAP	1.0		**< 1.0**	µg/L	5	09/08/2022 10:04	196278
Boron	NELAP	25.0		**1110**	µg/L	5	09/13/2022 14:42	196278
Chromium	NELAP	1.5		**< 1.5**	µg/L	5	09/08/2022 10:04	196278
Cobalt	NELAP	1.0		**1.1**	µg/L	5	09/08/2022 10:04	196278
Lead	NELAP	1.0		**< 1.0**	µg/L	5	09/08/2022 10:04	196278
Lithium	*	3.0	J	**2.1**	µg/L	5	09/08/2022 10:04	196278
Molybdenum	NELAP	1.5		**< 1.5**	µg/L	5	09/09/2022 22:36	196278
Selenium	NELAP	1.0		**< 1.0**	µg/L	5	09/08/2022 10:04	196278
Thallium	NELAP	2.0		**< 2.0**	µg/L	5	09/08/2022 10:04	196278

Client: Ramboll **Work Order:** 22080111

Client Project: Kincaid Q3 2022 **Report Date:** 17-Oct-22

Lab ID: 22080111-011 **Client Sample ID:** MW-11

Matrix: GROUNDWATER **Collection Date:** 09/01/2022 11:18

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Depth to water from measuring point	*	0		**11.71**	ft	1	09/01/2022 11:18	R317971
STANDARD METHOD 4500-H B 2001 FIELD								
pH	*	1.00		**6.65**		1	09/01/2022 11:18	R317971
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**< 1.0**	NTU	1	09/01/2022 11:18	R317971
STANDARD METHODS 18TH ED. 2580 B FIELD								
Oxidation-Reduction Potential	*	-300		**12**	mV	1	09/01/2022 11:18	R317971
STANDARD METHODS 2510 B FIELD								
Spec. Conductance, Field	*	0		**1390**	µS/cm	1	09/01/2022 11:18	R317971
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**17.8**	°C	1	09/01/2022 11:18	R317971
STANDARD METHODS 4500-O G FIELD								
Oxygen, Dissolved	*	0		**0.79**	mg/L	1	09/01/2022 11:18	R317971
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	50		**665**	mg/L	2.5	09/07/2022 14:04	R316784
SW-846 9036 (TOTAL)								
Sulfate	NELAP	50		**123**	mg/L	5	09/08/2022 12:56	R316793
SW-846 9214 (TOTAL)								
Fluoride	NELAP	0.10		**0.49**	mg/L	1	09/12/2022 14:44	R317927
SW-846 9251 (TOTAL)								
Chloride	NELAP	4		**34**	mg/L	1	09/08/2022 12:50	R316797
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Calcium	NELAP	0.100		**126**	mg/L	1	09/06/2022 18:32	196278
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	1.0		**< 1.0**	µg/L	5	09/08/2022 11:01	196278
Arsenic	NELAP	1.0		**10.8**	µg/L	5	09/08/2022 11:01	196278
Barium	NELAP	1.0		**172**	µg/L	5	09/08/2022 11:01	196278
Beryllium	NELAP	1.0		**< 1.0**	µg/L	5	09/08/2022 11:01	196278
Boron	NELAP	25.0		**1890**	µg/L	5	09/13/2022 14:55	196278
Chromium	NELAP	1.5		**< 1.5**	µg/L	5	09/08/2022 11:01	196278
Cobalt	NELAP	1.0		**1.3**	µg/L	5	09/08/2022 11:01	196278
Lead	NELAP	1.0		**< 1.0**	µg/L	5	09/08/2022 11:01	196278
Lithium	*	3.0		**3.3**	µg/L	5	09/08/2022 11:01	196278
Molybdenum	NELAP	1.5		**2.0**	µg/L	5	09/09/2022 22:49	196278
Selenium	NELAP	1.0		**< 1.0**	µg/L	5	09/08/2022 11:01	196278
Thallium	NELAP	2.0		**< 2.0**	µg/L	5	09/08/2022 11:01	196278

Client: Ramboll **Work Order:** 22080111

Client Project: Kincaid Q3 2022 **Report Date:** 17-Oct-22

Lab ID: 22080111-012 **Client Sample ID:** MW-12

Matrix: GROUNDWATER **Collection Date:** 09/01/2022 13:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Depth to water from measuring point	*	0		**6.80**	ft	1	09/01/2022 13:40	R317971
STANDARD METHOD 4500-H B 2001 FIELD								
pH	*	1.00		**6.55**		1	09/01/2022 13:40	R317971
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**5.1**	NTU	1	09/01/2022 13:40	R317971
STANDARD METHODS 18TH ED. 2580 B FIELD								
Oxidation-Reduction Potential	*	-300		**76**	mV	1	09/01/2022 13:40	R317971
STANDARD METHODS 2510 B FIELD								
Spec. Conductance, Field	*	0		**2130**	µS/cm	1	09/01/2022 13:40	R317971
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**15.8**	°C	1	09/01/2022 13:40	R317971
STANDARD METHODS 4500-O G FIELD								
Oxygen, Dissolved	*	0		**0.14**	mg/L	1	09/01/2022 13:40	R317971
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	50		**1100**	mg/L	2.5	09/07/2022 14:05	R316784
SW-846 9036 (TOTAL)								
Sulfate	NELAP	100		**426**	mg/L	10	09/08/2022 13:03	R316793
SW-846 9214 (TOTAL)								
Fluoride	NELAP	0.10		**0.19**	mg/L	1	09/12/2022 14:46	R317927
SW-846 9251 (TOTAL)								
Chloride	NELAP	4		**31**	mg/L	1	09/08/2022 12:58	R316797
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Calcium	NELAP	0.100		**206**	mg/L	1	09/06/2022 18:36	196278
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	1.0		**< 1.0**	µg/L	5	09/08/2022 11:07	196278
Arsenic	NELAP	1.0	J	**0.4**	µg/L	5	09/08/2022 11:07	196278
Barium	NELAP	1.0		**86.2**	µg/L	5	09/08/2022 11:07	196278
Beryllium	NELAP	1.0		**< 1.0**	µg/L	5	09/08/2022 11:07	196278
Boron	NELAP	25.0		**4060**	µg/L	5	09/13/2022 15:00	196278
Chromium	NELAP	1.5		**< 1.5**	µg/L	5	09/08/2022 11:07	196278
Cobalt	NELAP	1.0	J	**0.2**	µg/L	5	09/08/2022 11:07	196278
Lead	NELAP	1.0		**< 1.0**	µg/L	5	09/08/2022 11:07	196278
Lithium	*	3.0		**8.5**	µg/L	5	09/08/2022 11:07	196278
Molybdenum	NELAP	1.5	J	**0.7**	µg/L	5	09/09/2022 22:55	196278
Selenium	NELAP	1.0		**< 1.0**	µg/L	5	09/08/2022 11:07	196278
Thallium	NELAP	2.0		**< 2.0**	µg/L	5	09/08/2022 11:07	196278

Client: Ramboll **Work Order:** 22080111

Client Project: Kincaid Q3 2022 **Report Date:** 17-Oct-22

Lab ID: 22080111-013 **Client Sample ID:** SG-02

Matrix: GROUNDWATER **Collection Date:** 09/01/2022 11:35

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Depth to water from measuring point	*	0		**18.00**	ft	1	09/01/2022 11:35	R317971

Client: Ramboll **Work Order:** 22080111

Client Project: Kincaid Q3 2022 **Report Date:** 17-Oct-22

Lab ID: 22080111-014 **Client Sample ID:** XSG-01

Matrix: GROUNDWATER **Collection Date:** 09/01/2022 0:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Depth to water from measuring point	*	0		**18.00**	ft	1	09/01/2022 0:00	R317971

Client: Ramboll **Work Order:** 22080111

Client Project: Kincaid Q3 2022 **Report Date:** 17-Oct-22

Lab ID: 22080111-015 **Client Sample ID:** MW-8 Duplicate

Matrix: GROUNDWATER **Collection Date:** 09/01/2022 14:28

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Depth to water from measuring point	*	0		**9.69**	ft	1	09/01/2022 14:28	R317971
STANDARD METHOD 4500-H B 2001 FIELD								
pH	*	1.00		**6.49**		1	09/01/2022 14:28	R317971
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**< 1.0**	NTU	1	09/01/2022 14:28	R317971
STANDARD METHODS 18TH ED. 2580 B FIELD								
Oxidation-Reduction Potential	*	-300		**124**	mV	1	09/01/2022 14:28	R317971
STANDARD METHODS 2510 B FIELD								
Spec. Conductance, Field	*	0		**1620**	µS/cm	1	09/01/2022 14:28	R317971
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**15.8**	°C	1	09/01/2022 14:28	R317971
STANDARD METHODS 4500-O G FIELD								
Oxygen, Dissolved	*	0		**0.64**	mg/L	1	09/01/2022 14:28	R317971
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	20		**832**	mg/L	1	09/07/2022 14:05	R316784
SW-846 9036 (TOTAL)								
Sulfate	NELAP	100		**245**	mg/L	10	09/08/2022 13:26	R316793
SW-846 9214 (TOTAL)								
Fluoride	NELAP	0.10		**0.22**	mg/L	1	09/12/2022 14:48	R317927
SW-846 9251 (TOTAL)								
Chloride	NELAP	4		**21**	mg/L	1	09/08/2022 13:22	R316797
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Calcium	NELAP	0.100		**156**	mg/L	1	09/06/2022 18:39	196278
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	1.0		**< 1.0**	µg/L	5	09/20/2022 17:51	196278
Arsenic	NELAP	1.0		**< 1.0**	µg/L	5	09/20/2022 17:51	196278
Barium	NELAP	1.0		**27.3**	µg/L	5	09/20/2022 17:51	196278
Beryllium	NELAP	1.0		**< 1.0**	µg/L	5	09/20/2022 17:51	196278
Boron	NELAP	25.0		**1190**	µg/L	5	09/13/2022 15:05	196278
Chromium	NELAP	1.5		**< 1.5**	µg/L	5	09/13/2022 15:05	196278
Cobalt	NELAP	1.0		**1.0**	µg/L	5	09/20/2022 17:51	196278
Lead	NELAP	1.0		**< 1.0**	µg/L	5	09/20/2022 17:51	196278
Lithium	*	3.0	J	**2.1**	µg/L	5	09/20/2022 17:51	196278
Molybdenum	NELAP	1.5		**< 1.5**	µg/L	5	09/20/2022 17:51	196278
Selenium	NELAP	1.0		**< 1.0**	µg/L	5	09/20/2022 17:51	196278
Thallium	NELAP	2.0		**< 2.0**	µg/L	5	09/20/2022 17:51	196278

Client: Ramboll
Work Order: 22080111
Client Project: Kincaid Q3 2022
Report Date: 17-Oct-22
Lab ID: 22080111-016
Client Sample ID: Field Blank
Matrix: GROUNDWATER
Collection Date: 09/01/2022 15:31

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	20		**< 20**	mg/L	1	09/07/2022 14:05	R316784
SW-846 9036 (TOTAL)								
Sulfate	NELAP	10		**< 10**	mg/L	1	09/08/2022 13:32	R316793
SW-846 9214 (TOTAL)								
Fluoride	NELAP	0.10		**< 0.10**	mg/L	1	09/12/2022 14:50	R317927
SW-846 9251 (TOTAL)								
Chloride	NELAP	4		**< 4**	mg/L	1	09/08/2022 13:32	R316797
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Calcium	NELAP	0.100		**< 0.100**	mg/L	1	09/06/2022 18:58	196278
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	1.0		**< 1.0**	µg/L	5	09/20/2022 17:57	196278
Arsenic	NELAP	1.0		**< 1.0**	µg/L	5	09/20/2022 17:57	196278
Barium	NELAP	1.0		**< 1.0**	µg/L	5	09/20/2022 17:57	196278
Beryllium	NELAP	1.0		**< 1.0**	µg/L	5	09/20/2022 17:57	196278
Boron	NELAP	25	J	**9.5**	µg/L	5	09/13/2022 15:09	196278
Chromium	NELAP	1.5		**< 1.5**	µg/L	5	09/13/2022 15:09	196278
Cobalt	NELAP	1.0		**< 1.0**	µg/L	5	09/20/2022 17:57	196278
Lead	NELAP	1.0		**< 1.0**	µg/L	5	09/20/2022 17:57	196278
Lithium	*	3.0		**< 3.0**	µg/L	5	09/20/2022 17:57	196278
Molybdenum	NELAP	1.5		**< 1.5**	µg/L	5	09/20/2022 17:57	196278
Selenium	NELAP	1.0		**< 1.0**	µg/L	5	09/20/2022 17:57	196278
Thallium	NELAP	2.0		**< 2.0**	µg/L	5	09/20/2022 17:57	196278

Client: Ramboll
Client Project: Kincaid Q3 2022

Work Order: 22080111
Report Date: 17-Oct-22

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
22080111-001	MW-1	Groundwater	3	09/01/2022 10:54
22080111-002	MW-2	Groundwater	3	09/01/2022 10:18
22080111-005	MW-5	Groundwater	3	09/01/2022 12:40
22080111-006	MW-6	Groundwater	3	09/01/2022 13:03
22080111-007	MW-7	Groundwater	3	09/01/2022 14:04
22080111-008	MW-8	Groundwater	3	09/01/2022 14:28
22080111-011	MW-11	Groundwater	3	09/01/2022 11:18
22080111-012	MW-12	Groundwater	3	09/01/2022 13:40
22080111-013	SG-02	Groundwater	1	09/01/2022 11:35
22080111-014	XSG-01	Groundwater	1	09/01/2022 0:00
22080111-015	MW-8 Duplicate	Groundwater	3	09/01/2022 14:28
22080111-016	Field Blank	Groundwater	3	09/01/2022 15:31

Client: Ramboll **Work Order:** 22080111

Client Project: Kincaid Q3 2022 **Report Date:** 17-Oct-22

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			**Prep Date/Time**	**Analysis Date/Time**
22080111-001A	MW-1	09/01/2022 10:54	09/02/2022 9:00		
	EPA 600 353.2 R2.0 (Total)				09/02/2022 14:45
	Field Elevation Measurements				09/01/2022 10:54
	Standard Method 4500-H B 2001 Field				09/01/2022 10:54
	Standard Methods 2130 B Field				09/01/2022 10:54
	Standard Methods 18th Ed. 2580 B Field				09/01/2022 10:54
	Standard Methods 2510 B Field				09/01/2022 10:54
	Standard Methods 2540 C (Total) 1997, 2011				09/07/2022 13:48
	Standard Methods 2550 B Field				09/01/2022 10:54
	Standard Methods 4500-NO2 B (Total) 2000, 2011				09/02/2022 13:19
	Standard Methods 4500-O G Field				09/01/2022 10:54
	SW-846 9036 (Total)				09/08/2022 10:18
	SW-846 9214 (Total)				09/12/2022 14:15
	SW-846 9251 (Total)				09/08/2022 10:13
22080111-001B	MW-1	09/01/2022 10:54	09/02/2022 9:00		
	SW-846 3005A, 6010B, Metals by ICP (Total)			09/06/2022 11:00	09/06/2022 17:47
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/06/2022 11:00	09/07/2022 21:43
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/06/2022 11:00	09/08/2022 9:33
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/06/2022 11:00	09/13/2022 13:55
	SW-846 7470A (Total)			09/07/2022 8:19	09/07/2022 16:29
22080111-001C	MW-1	09/01/2022 10:54	09/02/2022 9:00		
	SW-846 9012A (Total)			09/02/2022 15:04	09/06/2022 8:37
22080111-002A	MW-2	09/01/2022 10:18	09/02/2022 9:00		
	EPA 600 353.2 R2.0 (Total)				09/02/2022 14:47
	Field Elevation Measurements				09/01/2022 10:18
	Standard Method 4500-H B 2001 Field				09/01/2022 10:18
	Standard Methods 2130 B Field				09/01/2022 10:18
	Standard Methods 18th Ed. 2580 B Field				09/01/2022 10:18
	Standard Methods 2510 B Field				09/01/2022 10:18
	Standard Methods 2540 C (Total) 1997, 2011				09/07/2022 13:48
	Standard Methods 2550 B Field				09/01/2022 10:18
	Standard Methods 4500-NO2 B (Total) 2000, 2011				09/02/2022 13:20
	Standard Methods 4500-O G Field				09/01/2022 10:18
	SW-846 9036 (Total)				09/08/2022 10:42
	SW-846 9214 (Total)				09/12/2022 14:17
	SW-846 9251 (Total)				09/08/2022 10:37
22080111-002B	MW-2	09/01/2022 10:18	09/02/2022 9:00		

Client: Ramboll **Work Order:** 22080111

Client Project: Kincaid Q3 2022 **Report Date:** 17-Oct-22

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			**Prep Date/Time**	**Analysis Date/Time**
	SW-846 3005A, 6010B, Metals by ICP (Total)			09/06/2022 11:00	09/06/2022 17:51
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/06/2022 11:00	09/07/2022 21:49
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/06/2022 11:00	09/08/2022 9:39
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/06/2022 11:00	09/13/2022 14:00
	SW-846 7470A (Total)			09/07/2022 8:19	09/07/2022 16:31
22080111-002C	MW-2	09/01/2022 10:18	09/02/2022 9:00		
	SW-846 9012A (Total)			09/02/2022 15:04	09/06/2022 8:41
22080111-005A	MW-5	09/01/2022 12:40	09/02/2022 9:00		
	EPA 600 353.2 R2.0 (Total)				09/02/2022 14:56
	Field Elevation Measurements				09/01/2022 12:40
	Standard Method 4500-H B 2001 Field				09/01/2022 12:40
	Standard Methods 2130 B Field				09/01/2022 12:40
	Standard Methods 18th Ed. 2580 B Field				09/01/2022 12:40
	Standard Methods 2510 B Field				09/01/2022 12:40
	Standard Methods 2540 C (Total) 1997, 2011				09/07/2022 13:49
	Standard Methods 2550 B Field				09/01/2022 12:40
	Standard Methods 4500-NO2 B (Total) 2000, 2011				09/02/2022 13:32
	Standard Methods 4500-O G Field				09/01/2022 12:40
	SW-846 9036 (Total)				09/08/2022 11:29
	SW-846 9214 (Total)				09/12/2022 14:22
	SW-846 9251 (Total)				09/08/2022 11:30
22080111-005B	MW-5	09/01/2022 12:40	09/02/2022 9:00		
	SW-846 3005A, 6010B, Metals by ICP (Total)			09/06/2022 11:00	09/06/2022 18:10
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/06/2022 11:00	09/08/2022 10:17
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/06/2022 11:00	09/09/2022 23:02
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/06/2022 11:00	09/14/2022 20:50
	SW-846 7470A (Total)			09/07/2022 8:19	09/07/2022 16:38
22080111-005C	MW-5	09/01/2022 12:40	09/02/2022 9:00		
	SW-846 9012A (Total)			09/02/2022 15:04	09/06/2022 7:41
22080111-006A	MW-6	09/01/2022 13:03	09/02/2022 9:00		
	EPA 600 353.2 R2.0 (Total)				09/02/2022 14:58
	Field Elevation Measurements				09/01/2022 13:03
	Standard Method 4500-H B 2001 Field				09/01/2022 13:03
	Standard Methods 2130 B Field				09/01/2022 13:03
	Standard Methods 18th Ed. 2580 B Field				09/01/2022 13:03
	Standard Methods 2510 B Field				09/01/2022 13:03
	Standard Methods 2540 C (Total) 1997, 2011				09/07/2022 14:02

Client: Ramboll **Work Order:** 22080111

Client Project: Kincaid Q3 2022 **Report Date:** 17-Oct-22

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			**Prep Date/Time**	**Analysis Date/Time**
	Standard Methods 2550 B Field				09/01/2022 13:03
	Standard Methods 4500-NO2 B (Total) 2000, 2011				09/02/2022 13:33
	Standard Methods 4500-O G Field				09/01/2022 13:03
	SW-846 9036 (Total)				09/08/2022 11:43
	SW-846 9214 (Total)				09/12/2022 14:25
	SW-846 9251 (Total)				09/08/2022 11:38
22080111-006B	MW-6	09/01/2022 13:03	09/02/2022 9:00		
	SW-846 3005A, 6010B, Metals by ICP (Total)			09/06/2022 11:00	09/06/2022 18:21
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/06/2022 11:00	09/08/2022 9:52
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/06/2022 11:00	09/09/2022 22:24
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/06/2022 11:00	09/13/2022 14:14
	SW-846 7470A (Total)			09/07/2022 8:19	09/07/2022 16:40
22080111-006C	MW-6	09/01/2022 13:03	09/02/2022 9:00		
	SW-846 9012A (Total)			09/02/2022 15:04	09/06/2022 8:54
22080111-007A	MW-7	09/01/2022 14:04	09/02/2022 9:00		
	EPA 600 353.2 R2.0 (Total)				09/02/2022 15:22
	Field Elevation Measurements				09/01/2022 14:04
	Standard Method 4500-H B 2001 Field				09/01/2022 14:04
	Standard Methods 2130 B Field				09/01/2022 14:04
	Standard Methods 18th Ed. 2580 B Field				09/01/2022 14:04
	Standard Methods 2510 B Field				09/01/2022 14:04
	Standard Methods 2540 C (Total) 1997, 2011				09/07/2022 14:02
	Standard Methods 2550 B Field				09/01/2022 14:04
	Standard Methods 4500-NO2 B (Total) 2000, 2011				09/02/2022 13:34
	Standard Methods 4500-O G Field				09/01/2022 14:04
	SW-846 9036 (Total)				09/08/2022 11:52
	SW-846 9214 (Total)				09/12/2022 14:27
	SW-846 9251 (Total)				09/08/2022 11:46
22080111-007B	MW-7	09/01/2022 14:04	09/02/2022 9:00		
	SW-846 3005A, 6010B, Metals by ICP (Total)			09/06/2022 11:00	09/06/2022 18:24
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/06/2022 11:00	09/08/2022 9:58
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/06/2022 11:00	09/09/2022 22:30
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/06/2022 11:00	09/13/2022 14:18
	SW-846 7470A (Total)			09/07/2022 8:19	09/07/2022 16:42
22080111-007C	MW-7	09/01/2022 14:04	09/02/2022 9:00		
	SW-846 9012A (Total)			09/02/2022 15:04	09/06/2022 8:58
22080111-008A	MW-8	09/01/2022 14:28	09/02/2022 9:00		

Client: Ramboll **Work Order:** 22080111

Client Project: Kincaid Q3 2022 **Report Date:** 17-Oct-22

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			**Prep Date/Time**	**Analysis Date/Time**
	EPA 600 353.2 R2.0 (Total)				09/02/2022 15:14
	Field Elevation Measurements				09/01/2022 14:28
	Standard Method 4500-H B 2001 Field				09/01/2022 14:28
	Standard Methods 2130 B Field				09/01/2022 14:28
	Standard Methods 18th Ed. 2580 B Field				09/01/2022 14:28
	Standard Methods 2510 B Field				09/01/2022 14:28
	Standard Methods 2540 C (Total) 1997, 2011				09/07/2022 14:03
	Standard Methods 2550 B Field				09/01/2022 14:28
	Standard Methods 4500-NO2 B (Total) 2000, 2011				09/02/2022 13:34
	Standard Methods 4500-O G Field				09/01/2022 14:28
	SW-846 9036 (Total)				09/08/2022 11:58
	SW-846 9214 (Total)				09/12/2022 14:29
	SW-846 9251 (Total)				09/08/2022 11:54
22080111-008B	MW-8	09/01/2022 14:28	09/02/2022 9:00		
	SW-846 3005A, 6010B, Metals by ICP (Total)			09/06/2022 11:00	09/06/2022 18:28
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/06/2022 11:00	09/08/2022 10:04
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/06/2022 11:00	09/09/2022 22:36
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/06/2022 11:00	09/13/2022 14:42
	SW-846 7470A (Total)			09/07/2022 8:19	09/07/2022 16:49
22080111-008C	MW-8	09/01/2022 14:28	09/02/2022 9:00		
	SW-846 9012A (Total)			09/02/2022 15:04	09/06/2022 9:03
22080111-011A	MW-11	09/01/2022 11:18	09/02/2022 9:00		
	EPA 600 353.2 R2.0 (Total)				09/02/2022 15:34
	Field Elevation Measurements				09/01/2022 11:18
	Standard Method 4500-H B 2001 Field				09/01/2022 11:18
	Standard Methods 2130 B Field				09/01/2022 11:18
	Standard Methods 18th Ed. 2580 B Field				09/01/2022 11:18
	Standard Methods 2510 B Field				09/01/2022 11:18
	Standard Methods 2540 C (Total) 1997, 2011				09/07/2022 14:04
	Standard Methods 2550 B Field				09/01/2022 11:18
	Standard Methods 4500-NO2 B (Total) 2000, 2011				09/02/2022 13:36
	Standard Methods 4500-O G Field				09/01/2022 11:18
	SW-846 9036 (Total)				09/08/2022 12:56
	SW-846 9214 (Total)				09/12/2022 14:44
	SW-846 9251 (Total)				09/08/2022 12:50
22080111-011B	MW-11	09/01/2022 11:18	09/02/2022 9:00		
	SW-846 3005A, 6010B, Metals by ICP (Total)			09/06/2022 11:00	09/06/2022 18:32

Client: Ramboll **Work Order:** 22080111

Client Project: Kincaid Q3 2022 **Report Date:** 17-Oct-22

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			**Prep Date/Time**	**Analysis Date/Time**
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/06/2022 11:00	09/08/2022 11:01
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/06/2022 11:00	09/09/2022 22:49
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/06/2022 11:00	09/13/2022 14:55
	SW-846 7470A (Total)			09/07/2022 8:19	09/07/2022 17:01
22080111-011C	MW-11	09/01/2022 11:18	09/02/2022 9:00		
	SW-846 9012A (Total)			09/06/2022 19:26	09/07/2022 10:10
22080111-012A	MW-12	09/01/2022 13:40	09/02/2022 9:00		
	EPA 600 353.2 R2.0 (Total)				09/02/2022 15:29
	Field Elevation Measurements				09/01/2022 13:40
	Standard Method 4500-H B 2001 Field				09/01/2022 13:40
	Standard Methods 2130 B Field				09/01/2022 13:40
	Standard Methods 18th Ed. 2580 B Field				09/01/2022 13:40
	Standard Methods 2510 B Field				09/01/2022 13:40
	Standard Methods 2540 C (Total) 1997, 2011				09/07/2022 14:05
	Standard Methods 2550 B Field				09/01/2022 13:40
	Standard Methods 4500-NO2 B (Total) 2000, 2011				09/02/2022 13:36
	Standard Methods 4500-O G Field				09/01/2022 13:40
	SW-846 9036 (Total)				09/08/2022 13:03
	SW-846 9214 (Total)				09/12/2022 14:46
	SW-846 9251 (Total)				09/08/2022 12:58
22080111-012B	MW-12	09/01/2022 13:40	09/02/2022 9:00		
	SW-846 3005A, 6010B, Metals by ICP (Total)			09/06/2022 11:00	09/06/2022 18:36
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/06/2022 11:00	09/08/2022 11:07
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/06/2022 11:00	09/09/2022 22:55
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/06/2022 11:00	09/13/2022 15:00
	SW-846 7470A (Total)			09/07/2022 8:19	09/07/2022 17:03
22080111-012C	MW-12	09/01/2022 13:40	09/02/2022 9:00		
	SW-846 9012A (Total)			09/02/2022 15:04	09/06/2022 9:16
22080111-013A	SG-02	09/01/2022 11:35	09/02/2022 9:00		
	Field Elevation Measurements				09/01/2022 11:35
22080111-014A	XSG-01	09/01/2022 0:00	09/02/2022 9:00		
	Field Elevation Measurements				09/01/2022 0:00
22080111-015A	MW-8 Duplicate	09/01/2022 14:28	09/02/2022 9:00		
	EPA 600 353.2 R2.0 (Total)				09/02/2022 15:54
	Field Elevation Measurements				09/01/2022 14:28
	Standard Method 4500-H B 2001 Field				09/01/2022 14:28
	Standard Methods 2130 B Field				09/01/2022 14:28

Client: Ramboll **Work Order:** 22080111

Client Project: Kincaid Q3 2022 **Report Date:** 17-Oct-22

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			**Prep Date/Time**	**Analysis Date/Time**
	Standard Methods 18th Ed. 2580 B Field				09/01/2022 14:28
	Standard Methods 2510 B Field				09/01/2022 14:28
	Standard Methods 2540 C (Total) 1997, 2011				09/07/2022 14:05
	Standard Methods 2550 B Field				09/01/2022 14:28
	Standard Methods 4500-NO2 B (Total) 2000, 2011				09/02/2022 13:37
	Standard Methods 4500-O G Field				09/01/2022 14:28
	SW-846 9036 (Total)				09/08/2022 13:26
	SW-846 9214 (Total)				09/12/2022 14:48
	SW-846 9251 (Total)				09/08/2022 13:22
22080111-015B	MW-8 Duplicate	09/01/2022 14:28	09/02/2022 9:00		
	SW-846 3005A, 6010B, Metals by ICP (Total)			09/06/2022 11:00	09/06/2022 18:39
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/06/2022 11:00	09/08/2022 11:20
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/06/2022 11:00	09/13/2022 15:05
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/06/2022 11:00	09/20/2022 17:51
	SW-846 7470A (Total)			09/07/2022 8:19	09/07/2022 17:06
22080111-015C	MW-8 Duplicate	09/01/2022 14:28	09/02/2022 9:00		
	SW-846 9012A (Total)			09/02/2022 15:04	09/06/2022 9:42
22080111-016A	Field Blank	09/01/2022 15:31	09/02/2022 9:00		
	EPA 600 353.2 R2.0 (Total)				09/02/2022 15:56
	Standard Methods 2540 C (Total) 1997, 2011				09/07/2022 14:05
	Standard Methods 4500-NO2 B (Total) 2000, 2011				09/02/2022 13:38
	SW-846 9036 (Total)				09/08/2022 13:32
	SW-846 9214 (Total)				09/12/2022 14:50
	SW-846 9251 (Total)				09/08/2022 13:32
22080111-016B	Field Blank	09/01/2022 15:31	09/02/2022 9:00		
	SW-846 3005A, 6010B, Metals by ICP (Total)			09/06/2022 11:00	09/06/2022 18:58
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/06/2022 11:00	09/13/2022 15:09
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/06/2022 11:00	09/20/2022 17:57
	SW-846 7470A (Total)			09/07/2022 8:19	09/07/2022 17:08
22080111-016C	Field Blank	09/01/2022 15:31	09/02/2022 9:00		
	SW-846 9012A (Total)			09/02/2022 15:04	09/06/2022 9:46

Client: Ramboll **Work Order:** 22080111

Client Project: Kincaid Q3 2022 **Report Date:** 17-Oct-22

STANDARD METHOD 4500-H B 2001 FIELD

Batch R317971 **SampType:** LCS Units

SampID: LCS-R317971

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**6.98**	7.000	0	99.7	98.57	101.4	09/01/2022

STANDARD METHODS 2510 B FIELD

Batch R317971 **SampType:** LCS Units **µS/cm**

SampID: LCS-R317971

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1430**	1409	0	101.3	90	110	09/01/2022

EPA 600 353.2 R2.0 (TOTAL)

Batch R316609 **SampType:** MBLK Units **mg/L**

SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**< 0.050**	0.0090	0	0	-100	100	09/02/2022

Batch R316609 **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		**0.502**	0.5000	0	100.4	90	110	09/02/2022

Batch R316609 **SampType:** MS Units **mg/L**

SampID: 22080111-008AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.256**	0.2500	0.02000	94.4	90	110	09/02/2022

Batch R316609 **SampType:** MSD Units **mg/L** RPD Limit: **10**

SampID: 22080111-008AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.261**	0.2500	0.02000	96.4	0.2560	1.93	09/02/2022

Batch R316609 **SampType:** MS Units **mg/L**

SampID: 22080111-011AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.248**	0.2500	0.01000	95.2	90	110	09/02/2022

Client: Ramboll **Work Order:** 22080111

Client Project: Kincaid Q3 2022 **Report Date:** 17-Oct-22

EPA 600 353.2 R2.0 (TOTAL)

Batch R316609 **SampType:** MSD Units **mg/L** RPD Limit: **10**

SampID: 22080111-011AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.253**	0.2500	0.01000	97.2	0.2480	2.00	09/02/2022

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R316784 **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	09/07/2022
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	09/07/2022

Batch R316784 **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		**976**	1000	0	97.6	90	110	09/07/2022
Total Dissolved Solids		20		**966**	1000	0	96.6	90	110	09/07/2022

Batch R316784 **SampType:** DUP Units **mg/L** RPD Limit: **5**

SampID: 22080111-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**336**				328.0	2.41	09/07/2022

Batch R316784 **SampType:** DUP Units **mg/L** RPD Limit: **5**

SampID: 22080111-003ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**588**				596.0	1.35	09/07/2022

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

Batch R316605 **SampType:** MBLK Units **mg/L**

SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**< 0.05**	0.0250	0	0	-100	100	09/02/2022
Nitrogen, Nitrite (as N)		0.05		**< 0.05**	0.0250	0	0	-100	100	09/02/2022

Client: Ramboll **Work Order:** 22080111

Client Project: Kincaid Q3 2022 **Report Date:** 17-Oct-22

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

Batch R316605 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.25		**1.12**	1.100	0	101.8	90	110	09/02/2022
Nitrogen, Nitrite (as N)		0.25		**1.12**	1.100	0	101.8	90	110	09/02/2022

Batch R316605 **SampType:** MS Units **mg/L**
SampID: 22080111-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.53**	0.5000	0	105.2	85	115	09/02/2022

Batch R316605 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 22080111-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.52**	0.5000	0	104.8	0.5260	0.38	09/02/2022

Batch R316605 **SampType:** MS Units **mg/L**
SampID: 22080111-004AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.52**	0.5000	0	103.2	85	115	09/02/2022

Batch R316605 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 22080111-004AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.52**	0.5000	0	103.6	0.5160	0.39	09/02/2022

SW-846 9012A (TOTAL)

Batch 196283 **SampType:** MBLK Units **mg/L**
SampID: MBLK 220902 TCN1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**< 0.005**	0.0015	0	0	-100	100	09/06/2022

Batch 196283 **SampType:** LCS Units **mg/L**
SampID: LCS 220902 TCN1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.026**	0.0250	0	103.9	90	110	09/06/2022

Client: Ramboll **Work Order:** 22080111

Client Project: Kincaid Q3 2022 **Report Date:** 17-Oct-22

SW-846 9012A (TOTAL)

Batch 196283 **SampType:** MS Units **mg/L**
SampID: 22080111-005CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.019**	0.0250	0	77.8	75	125	09/06/2022

Batch 196283 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 22080111-005CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005	SR	**0.016**	0.0250	0	63.5	0.01946	20.27	09/06/2022

Batch 196331 **SampType:** MBLK Units **mg/L**
SampID: MBLK 220906 TCN1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**< 0.005**	0.0015	0	0	-100	100	09/07/2022

Batch 196331 **SampType:** LCS Units **mg/L**
SampID: LCS 220906 TCN1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.027**	0.0250	0	109.8	90	110	09/07/2022

Batch 196331 **SampType:** MS Units **mg/L**
SampID: 22080111-011CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.028**	0.0250	0	111.6	75	125	09/07/2022

Batch 196331 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 22080111-011CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.028**	0.0250	0	114.0	0.02791	2.07	09/07/2022

SW-846 9036 (TOTAL)

Batch R316793 **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	09/08/2022

Client: Ramboll **Work Order:** 22080111

Client Project: Kincaid Q3 2022 **Report Date:** 17-Oct-22

SW-846 9036 (TOTAL)

Batch R316793 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**21**	20.00	0	102.6	90	110	09/08/2022

Batch R316793 **SampType:** MS Units **mg/L**
SampID: 22080111-004AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**29**	20.00	11.30	88.0	85	115	09/08/2022

Batch R316793 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 22080111-004AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10		**30**	20.00	11.30	92.2	28.89	2.93	09/08/2022

Batch R316820 **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	09/09/2022

Batch R316820 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**20**	20.00	0	101.5	90	110	09/09/2022

Batch R316820 **SampType:** MS Units **mg/L**
SampID: 22080111-009AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50		**177**	100.0	82.68	94.1	85	115	09/09/2022

Batch R316820 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 22080111-009AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		50		**180**	100.0	82.68	97.5	176.7	1.93	09/09/2022

Client: Ramboll **Work Order:** 22080111

Client Project: Kincaid Q3 2022 **Report Date:** 17-Oct-22

SW-846 9214 (TOTAL)

Batch R317927 **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	09/12/2022

Batch R317927 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**0.99**	1.000	0	98.9	90	110	09/12/2022

Batch R317927 **SampType:** MS Units **mg/L**
SampID: 22080111-008AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.41**	2.000	0.2150	109.6	75	125	09/12/2022

Batch R317927 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 22080111-008AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.39**	2.000	0.2150	108.6	2.408	0.92	09/12/2022

Batch R317927 **SampType:** MS Units **mg/L**
SampID: 22080111-016AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.08**	2.000	0	104.2	75	125	09/12/2022

Batch R317927 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 22080111-016AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.13**	2.000	0	106.4	2.085	2.04	09/12/2022

SW-846 9251 (TOTAL)

Batch R316797 **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	09/08/2022

Client: Ramboll **Work Order:** 22080111

Client Project: Kincaid Q3 2022 **Report Date:** 17-Oct-22

SW-846 9251 (TOTAL)

Batch R316797 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**21**	20.00	0	104.8	90	110	09/08/2022

Batch R316797 **SampType:** MS Units **mg/L**
SampID: 22080111-004AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4	E	**51**	20.00	34.03	86.5	85	115	09/08/2022

Batch R316797 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 22080111-004AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4	E	**52**	20.00	34.03	87.5	51.33	0.39	09/08/2022

Batch R316797 **SampType:** MS Units **mg/L**
SampID: 22080111-009AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**24**	20.00	3.280	104.4	85	115	09/08/2022

Batch R316797 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 22080111-009AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**24**	20.00	3.280	105.6	24.17	0.95	09/08/2022

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

Batch 196278 **SampType:** MBLK Units **mg/L**
SampID: MBLK-196278

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	09/06/2022

Batch 196278 **SampType:** LCS Units **mg/L**
SampID: LCS-196278

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.60**	2.500	0	103.8	85	115	09/06/2022

Client: Ramboll **Work Order:** 22080111

Client Project: Kincaid Q3 2022 **Report Date:** 17-Oct-22

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

Batch 196278 **SampType:** LCSD Units **mg/L** RPD Limit: **20**

SampID: LCSD-196278

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100		**2.54**	2.500	0	101.8	2.596	1.98	09/06/2022

Batch 196278 **SampType:** MS Units **mg/L**

SampID: 22080111-005BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**150**	2.500	147.0	136.0	75	125	09/06/2022

Batch 196278 **SampType:** MSD Units **mg/L** RPD Limit: **20**

SampID: 22080111-005BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**152**	2.500	147.0	204.0	150.4	1.12	09/06/2022

Client: Ramboll **Work Order:** 22080111

Client Project: Kincaid Q3 2022 **Report Date:** 17-Oct-22

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

Batch 196278 **SampType:** MBLK Units **µg/L**

SampID: MBLK-196278

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	09/07/2022
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	09/07/2022
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	09/07/2022
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	09/07/2022
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	09/07/2022
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	09/07/2022
Calcium		125		**< 125**	70.00	0	0	-100	100	09/07/2022
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	09/07/2022
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	09/07/2022
Copper		1.0		**< 1.0**	0.2980	0	0	-100	100	09/07/2022
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	09/07/2022
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	09/07/2022
Lithium	*	3.0		**< 3.0**	1.450	0	0	-100	100	09/07/2022
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	09/07/2022
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	09/07/2022
Nickel		1.0		**< 1.0**	0.4300	0	0	-100	100	09/07/2022
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	09/07/2022
Silver		1.0		**< 1.0**	0.1110	0	0	-100	100	09/07/2022
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	09/07/2022
Vanadium		5.0		**< 5.0**	5.000	0	0	-100	100	09/07/2022
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	09/07/2022

Client: Ramboll **Work Order:** 22080111

Client Project: Kincaid Q3 2022 **Report Date:** 17-Oct-22

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

Batch 196278 **SampType:** LCS Units **µg/L**

SampID: LCS-196278

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**528**	500.0	0	105.6	80	120	09/07/2022
Arsenic		1.0		**547**	500.0	0	109.3	80	120	09/07/2022
Barium		1.0		**2160**	2000	0	108.0	80	120	09/07/2022
Beryllium		1.0		**52.1**	50.00	0	104.2	80	120	09/07/2022
Boron		25.0		**544**	500.0	0	108.8	80	120	09/07/2022
Cadmium		1.0		**52.8**	50.00	0	105.7	80	120	09/07/2022
Calcium		125		**2610**	2500	0	104.3	80	120	09/07/2022
Chromium		1.5		**209**	200.0	0	104.4	80	120	09/07/2022
Cobalt		1.0		**537**	500.0	0	107.4	80	120	09/07/2022
Copper		1.0		**267**	250.0	0	106.7	80	120	09/07/2022
Iron		25.0		**2010**	2000	0	100.3	80	120	09/07/2022
Lead		1.0		**524**	500.0	0	104.8	80	120	09/07/2022
Lithium	*	3.0		**567**	500.0	0	113.4	80	120	09/07/2022
Manganese		2.0		**527**	500.0	0	105.4	80	120	09/07/2022
Molybdenum		1.5		**530**	500.0	0	106.1	80	120	09/07/2022
Nickel		1.0		**502**	500.0	0	100.5	80	120	09/07/2022
Selenium		1.0		**501**	500.0	0	100.2	80	120	09/07/2022
Silver		1.0		**57.1**	50.00	0	114.1	80	120	09/07/2022
Thallium		2.0		**259**	250.0	0	103.8	80	120	09/07/2022
Vanadium		5.0		**519**	500.0	0	103.8	80	120	09/07/2022
Zinc		15.0		**479**	500.0	0	95.9	80	120	09/07/2022

Client: Ramboll **Work Order:** 22080111

Client Project: Kincaid Q3 2022 **Report Date:** 17-Oct-22

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

Batch 196278 **SampType:** LCSD Units **µg/L** RPD Limit: **20**

SampID: LCSD-196278

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		1.0		**477**	500.0	0	95.4	527.8	10.16	09/07/2022
Arsenic		1.0		**513**	500.0	0	102.7	546.7	6.28	09/07/2022
Barium		1.0		**1920**	2000	0	96.0	2159	11.72	09/07/2022
Beryllium		1.0		**48.6**	50.00	0	97.1	52.11	7.02	09/07/2022
Boron		25.0		**509**	500.0	0	101.7	543.8	6.67	09/07/2022
Cadmium		1.0		**47.8**	50.00	0	95.7	52.83	9.91	09/07/2022
Calcium		125		**2210**	2500	0	88.5	2608	16.39	09/07/2022
Chromium		1.5		**193**	200.0	0	96.5	208.7	7.85	09/07/2022
Cobalt		1.0		**496**	500.0	0	99.3	537.0	7.83	09/07/2022
Copper		1.0		**246**	250.0	0	98.3	266.8	8.26	09/07/2022
Iron		25.0		**1840**	2000	0	92.1	2007	8.54	09/07/2022
Lead		1.0		**481**	500.0	0	96.2	524.1	8.55	09/07/2022
Lithium	*	3.0		**527**	500.0	0	105.3	566.8	7.36	09/07/2022
Manganese		2.0		**488**	500.0	0	97.6	527.1	7.68	09/07/2022
Molybdenum		1.5		**478**	500.0	0	95.5	530.3	10.47	09/07/2022
Nickel		1.0		**492**	500.0	0	98.4	502.4	2.09	09/07/2022
Selenium		1.0		**468**	500.0	0	93.7	500.8	6.71	09/07/2022
Silver		1.0		**51.9**	50.00	0	103.8	57.06	9.48	09/07/2022
Thallium		2.0		**239**	250.0	0	95.6	259.4	8.16	09/07/2022
Vanadium		5.0		**470**	500.0	0	94.0	518.9	9.93	09/07/2022
Zinc		15.0		**448**	500.0	0	89.5	479.5	6.86	09/07/2022

Client: Ramboll **Work Order:** 22080111

Client Project: Kincaid Q3 2022 **Report Date:** 17-Oct-22

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

Batch 196278 **SampType:** MS Units **µg/L**

SampID: 22080111-005BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**473**	500.0	0	94.6	75	125	09/08/2022
Arsenic		1.0		**488**	500.0	0.8940	97.4	75	125	09/08/2022
Barium		1.0		**2010**	2000	137.2	93.7	75	125	09/08/2022
Beryllium		1.0		**46.3**	50.00	0	92.6	75	125	09/08/2022
Boron		25.0		**1050**	500.0	600.9	89.0	75	125	09/14/2022
Cadmium		1.0		**45.5**	50.00	0	91.1	75	125	09/08/2022
Chromium		1.5		**186**	200.0	0	93.1	75	125	09/08/2022
Cobalt		1.0		**455**	500.0	0.6324	90.9	75	125	09/08/2022
Copper		1.0		**221**	250.0	0.6033	88.3	75	125	09/08/2022
Iron		25.0		**2490**	2000	529.0	98.1	75	125	09/08/2022
Lead		1.0		**483**	500.0	0	96.5	75	125	09/08/2022
Lithium	*	3.0		**498**	500.0	2.518	99.1	75	125	09/08/2022
Manganese		2.0		**1050**	500.0	588.4	92.1	75	125	09/08/2022
Molybdenum		1.5		**483**	500.0	0.9280	96.4	75	125	09/09/2022
Nickel		1.0		**476**	500.0	1.933	94.9	75	125	09/09/2022
Selenium		1.0		**452**	500.0	0	90.4	75	125	09/08/2022
Silver		1.0		**47.1**	50.00	0	94.3	75	125	09/08/2022
Thallium		2.0		**227**	250.0	0	91.0	75	125	09/08/2022
Vanadium		5.0		**466**	500.0	0	93.2	75	125	09/08/2022
Zinc		15.0		**436**	500.0	0	87.2	75	125	09/08/2022

Client: Ramboll **Work Order:** 22080111

Client Project: Kincaid Q3 2022 **Report Date:** 17-Oct-22

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

Batch 196278 **SampType:** MSD Units µg/L RPD Limit: 20

SampID: 22080111-005BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		1.0		**470**	500.0	0	93.9	473.2	0.76	09/08/2022
Arsenic		1.0		**481**	500.0	0.8940	96.0	488.1	1.46	09/08/2022
Barium		1.0		**2000**	2000	137.2	93.1	2011	0.62	09/08/2022
Beryllium		1.0		**45.5**	50.00	0	91.1	46.32	1.71	09/08/2022
Boron		25.0		**1050**	500.0	600.9	89.1	1046	0.07	09/14/2022
Cadmium		1.0		**45.5**	50.00	0	91.1	45.55	0.00	09/08/2022
Chromium		1.5		**183**	200.0	0	91.7	186.3	1.54	09/08/2022
Cobalt		1.0		**449**	500.0	0.6324	89.6	455.1	1.43	09/08/2022
Copper		1.0		**219**	250.0	0.6033	87.2	221.3	1.19	09/08/2022
Iron		25.0		**2300**	2000	529.0	88.6	2492	7.97	09/08/2022
Lead		1.0		**476**	500.0	0	95.2	482.7	1.43	09/08/2022
Lithium	*	3.0		**490**	500.0	2.518	97.6	498.1	1.57	09/08/2022
Manganese		2.0		**1030**	500.0	588.4	89.1	1049	1.44	09/08/2022
Molybdenum		1.5		**474**	500.0	0.9280	94.6	483.1	1.95	09/09/2022
Nickel		1.0		**454**	500.0	1.933	90.4	476.4	4.88	09/09/2022
Selenium		1.0		**445**	500.0	0	88.9	451.8	1.63	09/08/2022
Silver		1.0		**48.1**	50.00	0	96.3	47.14	2.11	09/08/2022
Thallium		2.0		**232**	250.0	0	92.9	227.5	2.02	09/08/2022
Vanadium		5.0		**461**	500.0	0	92.1	466.2	1.19	09/08/2022
Zinc		15.0		**425**	500.0	0	84.9	436.1	2.67	09/08/2022

SW-846 7470A (TOTAL)

Batch 196359 **SampType:** MBLK Units µg/L

SampID: MBLK-196359

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	09/07/2022

Batch 196359 **SampType:** LCS Units µg/L

SampID: LCS-196359

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**5.58**	5.000	0	111.6	85	115	09/07/2022

Batch 196359 **SampType:** MS Units µg/L

SampID: 22080111-008BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.90**	5.000	0	98.0	75	125	09/07/2022

Client: Ramboll **Work Order:** 22080111

Client Project: Kincaid Q3 2022 **Report Date:** 17-Oct-22

SW-846 7470A (TOTAL)

Batch **196359** **SampType:** **MSD** Units **µg/L** RPD Limit: **15**

SampID: 22080111-008BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**4.81**	5.000	0	96.2	4.900	1.84	09/07/2022

Receiving Check List

http://www.teklabinc.com/

Client: Ramboll
Work Order: 22080111
Client Project: Kincaid Q3 2022
Report Date: 17-Oct-22

Carrier: Joe Riley
Received By: PRY

Completed by: Payton Yoch
On: 02-Sep-22

Reviewed by: Elizabeth A. Hurley
On: 02-Sep-22

Pages to follow: Chain of custody 1 Extra pages included 0

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C 4.4
Type of thermal preservation?	None ☐	Ice ☑	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Reported field parameters measured:	Field ☑	Lab ☐	NA ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐		
When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.				
Water – at least one vial per sample has zero headspace?	Yes ☐	No ☐	No VOA vials ☑	
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☑	
Water - pH acceptable upon receipt?	Yes ☐	No ☑	NA ☐	
NPDES/CWA TCN interferences checked/treated in the field?	Yes ☐	No ☐	NA ☑	

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

pH strip 82999/79929 - CET/pyoch - 9/2/2022 10:05:03 AM

Additional Sodium Hydroxide (81662) was needed in all samples except Field Blank upon arrival at the laboratory. MW-6, MW-8, MW-10, MW-11, MW-12, and MW-8D did not reach the desired pH range. Additional Nitric Acid (83662) was needed in MW-6, MW-12, and MW-8D upon arrival at the laboratory. - CET/pyoch - 9/2/2022 10:05:22 AM

22080111

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 1

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

REGULATORY AGENCY

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

Site Location STATE: IL

Section D Required Client Information

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

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	KIN-257-141	KIN-IEPA-141	Residual Chlorine (Y/N)	Project No./Lab I.D.
1	MW-1	GW	G	09/01/22	1054		3	1		1		1					X	X		22080111-001
2	MW-2	GW	G	09/01/22	1013		3	1		1		1					X	X		002
3	MW-3	GW	G	09/01/22	1115		3	1		1		1						X		003
4	MW-4	GW	G	09/01/22	1217		3	1		1		1						X		004
5	MW-5	GW	G	09/01/22	1240		3	1		1		1					X	X		005
6	MW-6	GW	G	09/01/22	1303		3	1		1		1					X	X		006
7	MW-7	GW	G	09/01/22	1404		3	1		1		1					X	X		007
8	MW-8	GW	G	09/01/22	1428		3	1		1		1					X	X		008
9	MW-9	GW	G	09/01/22	1452		3	1		1		1						X		009
10	MW-10	GW	G	09/01/22	1519		3	1		1		1						X		010
11	MW-11	GW	G	09/01/22	1118		3	1		1		1					X	X		011
12	MW-12	GW	G	09/01/22	1340		3	1		1		1					X	X		012
13	SG-02	GW	G	09/01/22	1135		0										X	X		013
14	XSG-01	GW	G	N/A			0										X	X		014
15	MW-8 Duplicate	GW	G	09/01/22	1428		3	1		1		1					X	X		015
16	Field Blank	WT	G	09/01/22	1531		3	1		1		1					X	X		016

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
KIN-Q3-2022	[signature]	09/02/22	0900	[signature]	9/2/22	0900				
DUP and FB included per history. SAH 8/2/22							4.4	Y	NA	Y
							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Joe Riley

SIGNATURE of SAMPLER: [signature]

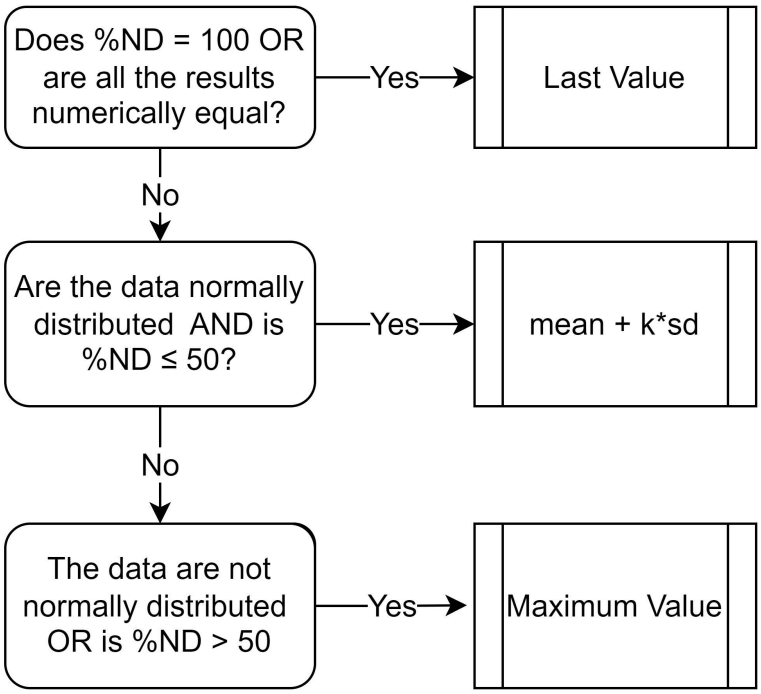
DATE Signed (MM/DD/YY):

phr829901 WTL 3
79929.

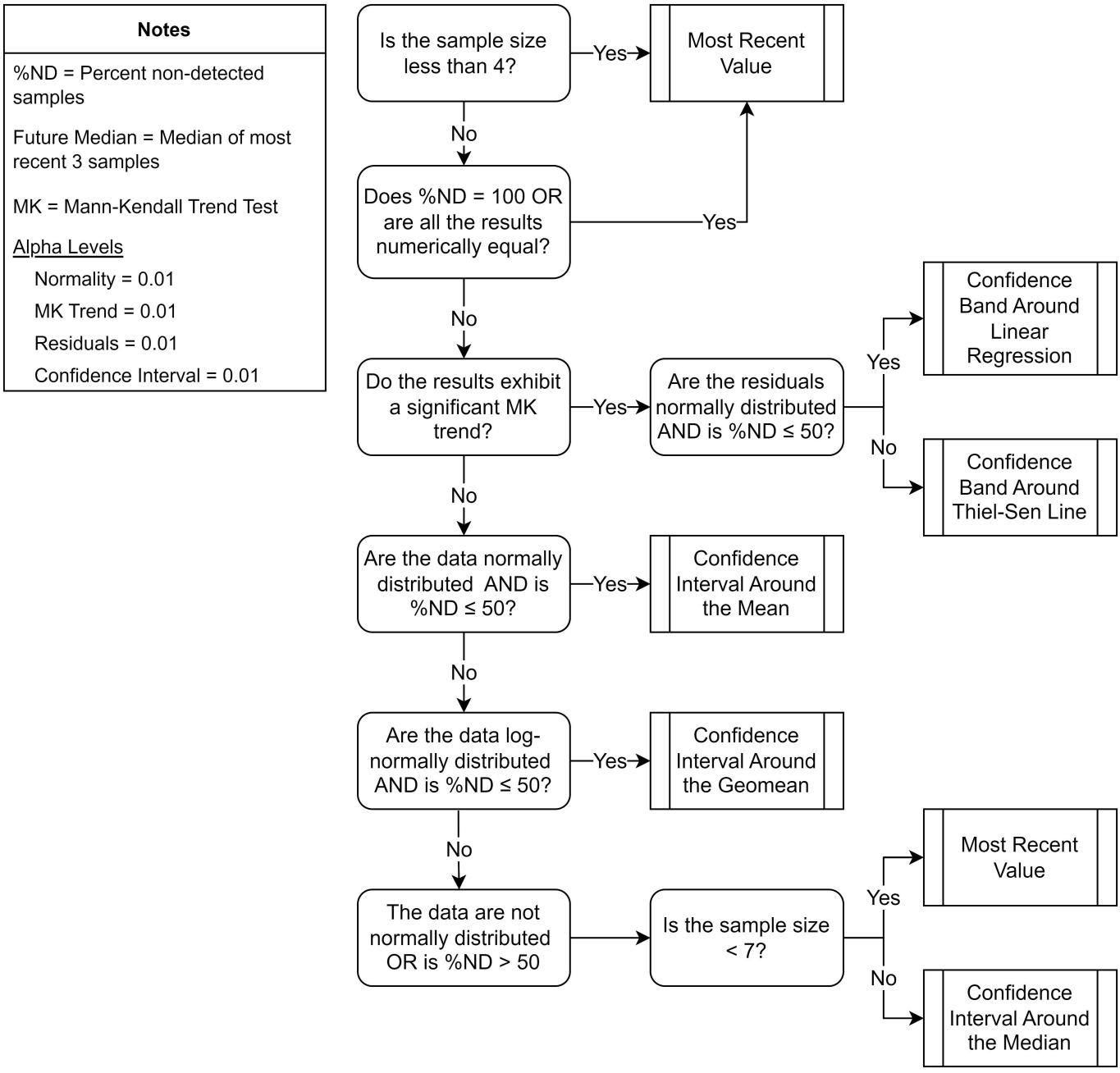
Added NaOH(81662) to all NaOH samples except FB. Added HNO3(828) to MW-6, MW-12, and MW-8D samples. MW-6, MW-8, MW-10, MW-11, MW-12

APPENDIX B
STATISTICAL METHODOLGY FOR DETERMINATION OF BACKGROUND VALUES

Notes
%ND = Percent non-detected samples sd = standard deviation k = kappa for tolerance limit (95% confidence/95% coverage)



APPENDIX C
STATISTICAL METHODOLGY FOR DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS


Notes
%ND = Percent non-detected samples
Future Median = Median of most recent 3 samples
MK = Mann-Kendall Trend Test
Alpha Levels
Normality = 0.01
MK Trend = 0.01
Residuals = 0.01
Confidence Interval = 0.01
Is the sample size less than 4?
Yes
Most Recent Value
No
Does %ND = 100 OR are all the results numerically equal?
Yes
No
Do the results exhibit a significant MK trend?
Yes
Are the residuals normally distributed AND is %ND ≤ 50?
Yes
Confidence Band Around Linear Regression
No
Confidence Band Around Thiel-Sen Line
No
Are the data normally distributed AND is %ND ≤ 50?
Yes
Confidence Interval Around the Mean
No
Are the data log-normally distributed AND is %ND ≤ 50?
Yes
Confidence Interval Around the Geomean
No
The data are not normally distributed OR is %ND > 50
Is the sample size < 7?
Yes
Most Recent Value
No
Confidence Interval Around the Median